APPENDIX D

Prepared for
Ridgeline Property Group
San Joaquin County, California

Prepared by
Ramboll Americas Engineering Solutions, Inc.
Irvine, California

Project Number
1690030668_Conv-001

Date
April 2025

PACIFIC GATEWAY PROJECT
AIR QUALITY TECHNICAL REPORT
SAN JOAQUIN COUNTY, CALIFORNIA

RAMBOLL

CONTENTS

1.	**Introduction**	**1**
1.1	Existing Conditions	1
1.2	Project Analysis	1
1.3	Mitigation Measures	1
2.	**Environmental and Regulatory Background**	**3**
2.1	Criteria Air Pollutants	3
2.1.1	Ozone	3
2.1.2	Nitrogen Dioxide	3
2.1.3	Carbon Monoxide	3
2.1.4	Sulfur Dioxide	4
2.1.5	Particulate Matter	4
2.1.6	Lead	4
2.1.7	Sulfates	5
2.1.8	Vinyl Chloride	5
2.1.9	Hydrogen Sulfide	5
2.1.10	Visibility-Reducing Particles	5
2.2	Non-Criteria Air Pollutants	5
2.2.1	Toxic Air Contaminants	5
2.2.2	Diesel Particulate Matter	6
2.3	Regulatory Setting	6
2.3.1	Federal and State Ambient Air Quality Standards for Criteria Air Pollutants	6
2.3.2	Federal Heavy-duty Engines and Vehicles Fuel Efficiency Standards	7
2.3.3	Federal Hazardous Air Pollutants Program	10
2.3.4	California’s Air Toxics Program	10
2.3.5	California Health and Safety Code Section 41700	10
2.3.6	California’s Pavley Standards	11
2.3.7	California’s Advanced Clean Cars and Advanced Clean Fleets	11
2.3.8	California’s Advanced Clean Trucks	11
2.3.9	California’s Diesel Emissions Control Measures	12
2.3.9.1	ATCM: Diesel-Fueled Commercial Motor Vehicle Idling	12
2.3.9.2	ATCM: Stationary Compression Ignition Engines	12
2.3.9.3	In-Use Off-Road Diesel-Fueled Fleets	13
2.3.9.4	Truck and Bus Regulation	14
2.3.10	Local Regulations and Guidance	14
2.3.10.1	San Joaquin Valley Air Pollution Control District	14
2.4	Environmental Setting	17
2.4.1	Local Air Quality Monitoring Data	17
3.	**Significance Thresholds**	**18**
3.1	California Environmental Quality Act Guidelines	18
3.2	San Joaquin Valley Air Pollution Control District Thresholds	18
3.3	Project Approach to Significance	19
4.	**Air Quality Emissions Inventory**	**20**
4.1	Resources	20
4.1.1	California Emission Estimator Model®	20
4.1.2	Other Resources	21
4.2	Construction Emissions	21

CONTENTS *(CONTINUED)*

4.2.1	Emissions from Construction Equipment	22
4.2.2	Emissions from On-Road Construction Trips	22
4.2.3	Fugitive Dust	22
4.2.4	Architectural Coating	23
4.2.5	Paving	23
4.2.6	Total Construction Emissions	23
4.3	Operational Emissions	23
4.3.1	Area Sources	23
4.3.2	Energy Sources	24
4.3.3	Mobile Sources	24
4.3.3.1	Estimating Mobile Source Emissions	26
4.3.4	Operational Gasoline Transfer and Dispensing	26
4.3.5	Off-road Equipment Sources	26
4.3.6	Wastewater Treatment Plant Sources	26
4.3.7	Total Operational Emissions	27
5.	**Health Risk Assessment**	**28**
5.1	Estimated Air Concentrations	28
5.1.1	Toxic Air Contaminant Emissions	28
5.1.2	Air Dispersion Modeling Methodology	29
5.1.2.1	AERMOD	29
5.1.2.2	Source Characterization	30
5.1.2.3	Meteorology	30
5.1.2.4	Land Use	30
5.1.2.5	Emission Rates	31
5.1.2.6	Receptors	31
5.2	Risk Characterization Methods	32
5.3	Exposure Assessment	32
5.3.1	Age Sensitivity Factors	33
5.3.2	Toxicity Assessment	34
5.4	Risk Characterization	34
5.4.1	Estimation of Cancer Risks	34
5.4.1.1	Estimation of Chronic Non-Cancer Hazard Indices	35
5.5	Health Risk Results	35
6.	**CO Hotspots**	**36**
6.1	Regulatory Background	36
6.2	LTA Findings	36
7.	**Mitigation Measures**	**39**
7.1	Description of Mitigation Measures	39
7.1.1	MM-AQ-1 (ZE Equipment)	39
7.1.2	MM-AQ-2 (Low-VOC Architectural Coatings)	39
7.1.3	MM-AQ-3 (Tier 4 Construction Equipment)	39
8.	**Project Inventory in Context**	**40**
8.1	Threshold 1	40
8.2	Threshold 2	41
8.3	Threshold 3	41

CONTENTS *(CONTINUED)*

8.3.1	Health Risk Thresholds	42
8.3.2	Health Risk Thresholds with Potential Mitigation	42
8.3.3	CO Hotspots	43
8.3.4	Health Effects of Criteria Air Pollutants	43
8.4	Threshold 4	44
8.4.1	Odors	44
8.4.2	Valley Fever	45
8.4.2.1	Background	45
8.4.2.2	Assessment of Valley Fever Risks	47

TABLES

Table 2-1	Summary of NAAQS and CAAQS
Table 2-2	SJVAPCD NAAQS and CAAQS Attainment Status
Table 2-3	Local Ambient Air Quality Data (San Joaquin County)
Table 2-4	Frequency of Air Quality Standard Violations
Table 3-1	SJVAPCD Air Quality Significance Thresholds
Table 4-1	Construction Schedule
Table 4-2	Construction Demolition Assumptions
Table 4-3	Construction Architectural Coating Assumptions
Table 4-4	Unmitigated Annual Criteria Air Pollutant Emission Estimates for Project Construction
Table 4-5	Unmitigated Maximum Daily On-Site Criteria Air Pollutant Emission Estimates for Project Construction - Initial Phase
Table 4-6	Trip Rates, Trip Type Percentages, Trip Lengths, and Vehicle Miles Traveled by Operational Mobile Sources (Autos)
Table 4-7	Trip Rates, Trip Type Percentages, Trip Lengths, and Vehicle Miles Traveled by Operational Mobile Sources (Trucks)
Table 4-8	Operational Consumer Product Emission Factor Adjustment
Table 4-9	Operational Architectural Coating Assumptions
Table 4-10	Fueling Facility Operational VOC Emissions
Table 4-11	Offroad Equipment Criteria Air Pollutant Emission Calculations
Table 4-12	Wastewater Treatment Plant Emergency Diesel Generator Criteria Air Pollutant Emissions
Table 4-13	TRU Criteria Air Pollutant Emission Calculations at Initial Buildout
Table 4-14	TRU Criteria Air Pollutant On-Site Emission Calculations at Initial Buildout
Table 4-15	TRU Criteria Air Pollutant Emission Calculations at Full Buildout
Table 4-16	Unmitigated Annual Criteria Air Pollutant Emission Estimates for Project Operation
Table 4-17	Unmitigated Maximum On-Site Criteria Air Pollutant Emission Estimates for Project Operation - Initial Phase
Table 5-1	Exposure Parameters
Table 5-2a	Age Sensitivity Weighted Intake Factors by Year and Age Bin for Exposure to Construction and Operation for Project Variant Scenario 1
Table 5-2b	Age Sensitivity Weighted Intake Factors by Year and Age Bin for Exposure to Construction and Operation for Project Variant Scenario 2

CONTENTS *(CONTINUED)*

Table 5-2c Age Sensitivity Weighted Intake Factors by Year and Age Bin for Exposure to Construction and Operation for Project Variant Scenario 3
Table 5-2d Age Sensitivity Weighted Intake Factors by Year and Age Bin for Exposure to Construction and Operation for Project Variant Scenario 4
Table 5-3 Fueling Facility Health Risk Assessment Options Used in HARP2 ADMRT Tool
Table 5-4 Initial Buildout - Health Risk Assessment Results
Table 5-5 Full Buildout - Health Risk Assessment Results
Table 8-1 Mitigated Annual Criteria Air Pollutant Emission Estimates for Project Construction
Table 8-2 Mitigated Maximum Daily On-Site Criteria Air Pollutant Emission Estimates for Project Construction - Initial Phase
Table 8-3 Mitigated Annual Criteria Air Pollutant Emission Estimates for Project Operation
Table 8-4 Mitigated Maximum On-Site Criteria Air Pollutant Emission Estimates for Project Operation - Initial Phase

FIGURES

Figure 1 Modeled Construction Emission Sources
Figure 2 Modeled Operational Emission Sources
Figure 3 Meteorological Station Location
Figure 4 Modeled Grid and Sensitive Receptors

APPENDICES

Appendix A CalEEMod® Output
Appendix B Initial Phase Mobile Source CalEEMod® Inputs
Appendix C Full Buildout Mobile Source CalEEMod® Inputs
Appendix D AERMOD Inputs
Appendix E Initial Buildout - Health Risk Assessment Emission Calculations
Appendix F Full buildout - Health Risk Assessment Emission Calculations
Appendix G Health Risk Assessment Results

ACRONYMS AND ABBREVIATIONS

Acronym	Definition
AB	Assembly Bill
ACC	Advanced Clean Cars
AEI	annual emissions inventory
AERMOD	American Meteorological Society/Environmental Protection Agency regulatory air dispersion model
AP-42	United States Environmental Protection Agency's Compilation of Air Pollutant Emission Factors
APCDs	Air Pollution Control Districts
AQ	air quality
AQAP	Air Quality Attainment Plan
AQMDs	Air Quality Management Districts
ATCM	Airborne Toxic Control Measure
ASFs	age sensitivity factors
AvgHP	Maximum rated average horsepower
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod®	California Emission Estimator Model®
CAP	criteria air pollutant
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CO	carbon monoxide
CO_2	carbon dioxide
cREL	chronic reference exposure level
CUP	conditional use permit
CY	cubic yard
DPM	Diesel Particulate Matter
DTSC	Department of Toxic Substances Control
EF	emission factor
EIR	Environmental Impact Report

Acronym	Definition
EMFAC	EMission FACtors model
EVR	Enhanced vapor recovery
FAH	Fraction of time at home
FF	Fueling Facility
g/m^3	gram/cubic meter
GHG	greenhouse gas
HARP	Hot Spots Analysis and Reporting Program
HIA	acute hazard index
HIC	chronic hazard index
HIs	hazard indices
HQ	hazard quotient
HRA	health risk assessment
LDR	Land Disposal Restrictions
LLC	Limited Liability Company
LOS	level of service
MDO	market delivery operation
MSW	municipal solid waste
MT	metric tonnes
NAAQS	National Ambient Air Quality Standards
NED	National Elevation Datasets
NESHAPs	National Emissions Standards for Hazardous Air Pollutants
NHTSA	National Highway Traffic Safety Administration
NO	Nitric oxide
NO_2	nitrogen dioxide
NO_x	oxides of nitrogen
O_3	ozone
OEHHA	California Office of Environmental Health Hazard Assessment
OFF-ROAD	Off-road Emissions Inventory Program model
Pb	Lead
PM	particulate matter
PM10	particulate matter less than 10 microns in diameter
PM2.5	particulate matter less than 2.5 microns in diameter

Acronym	Definition
ppm	parts per million by volume
Ramboll	Ramboll US Consulting, Inc.
RCRA	Resource Conservation and Recovery Act
REL	reference exposure level
ROG	reactive organic gases
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
SAFE	Safer Affordable Fuel-Efficient
SCAQMD	South Coast Air Quality Management District
SIP	State Implementation Plan
SJVAB	San Joaquin Valley Air Basin
SJVAPCD	San Joaquin Valley Air Pollution Control District
SO_2	Sulfur Dioxide
SOx	sulfur oxide
TACs	Toxic Air Contaminant
TRUs	transportation refrigeration units
USEPA	United States Environmental Protection Agency
USGS	United States Geologic Survey
VDECS	Verified Diesel Emission Control Strategies
VMT	Vehicle miles traveled
VOCs	Volatile Organic Compounds
ZEV	zero emission vehicle

1. INTRODUCTION

Ramboll Americas Engineering Solutions, Inc. (Ramboll) was asked to prepare an Air Quality (AQ) Technical Report for the proposed Pacific Gateway development in San Joaquin County, California (Project).

This AQ Technical Report analyzes the Project's impacts on air quality from construction and operations. In particular, this report describes the existing setting of the Project site, describes the relevant regulatory setting, discusses the methodology used to evaluate AQ emissions related to the Project, and evaluates potential impacts related to AQ that would be affected as a result of implementation of the Project.

1.1 Existing Conditions

The existing 1,576.7-acre site is currently developed with active agricultural uses, which include commercial scale almond and cherry orchards, as well as an agricultural processing and manufacturing facility operated by A.B. FAB, Inc. This area is designated by both the General Plan and zoning as Agricultural. The site is located in southwest San Joaquin County, northeast of the Interstate 580 (I-580) and north of State Route 132 (SR 132). The Site is approximately one mile from the southern boundary of the City of Tracy.

1.2 Project Analysis

The Project will include a variety of uses within the Specific Plan Area, including modern Class "A" industrial warehouse and distribution facilities, a university campus, commercial retail uses, business park, and a Veteran of Foreign Wars (VFW) facility. Open spaces and public facilities such as parks and pedestrian and bike facilities will also be incorporated to provide accessibility and recreational spaces for the workforce and community.

The Project includes Specific Plan zoning designations for Limited Industrial (I-L), General Commercial (C-G), Public (P-F), and Business Park (B-P) use types. The Proposed Plan will allow nonconforming existing agricultural uses to continue to operate at the adoption of the Pacific Gateway Specific Plan and until development in conformance with this Specific Plan occurs.

1.3 Mitigation Measures

The Project will include a number of mitigation measures that would help reduce criteria air pollutant and toxic air contaminant emissions associated with project construction. Those which are expected to result in a quantified AQ impact are summarized below:

MM-AQ-1 (Zero Emission (ZE) Equipment)
The Project will utilize various zero emission equipment. This includes forklift equipment and yard mules used at all industrial warehouse buildings greater than 300,000 square feet (22,993,500 square feet total). Additionally, all landscape equipment used to maintain individual building projects (24,675,000 square feet total) and Pacific Gateway master landscaping, parks and open space will be required to be zero emission.

MM-AQ-2 (Low-VOC Architectural Coatings)
The Project will utilize architectural coatings with a VOC content of a maximum of 15 g/L at all industrial warehouse buildings.

MM-AQ-3 (Tier 4 Construction Equipment)
The Project will utilize off-road diesel-powered Tier 4 construction equipment for all construction activities, where feasible.

2. ENVIRONMENTAL AND REGULATORY BACKGROUND

2.1 Criteria Air Pollutants

Criteria air pollutants (CAPs) are defined as pollutants for which the federal and state governments have established ambient AQ standards, or criteria, for outdoor concentrations to protect public health. The federal and state standards have been set, with an adequate margin of safety, at levels above which concentrations could be harmful to human health and welfare. These standards are designed to protect the most sensitive people from illness or discomfort. Pollutants of concern include ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), particulate matter less than 10 microns in diameter (PM_{10}), particulate matter less than 2.5 microns in diameter ($PM_{2.5}$), and lead. In California, sulfates, vinyl chloride, hydrogen sulfide, and visibility-reducing particles are also regulated as CAPs. These pollutants are discussed in the following paragraphs.

2.1.1 Ozone

O_3 is a colorless gas that is formed in the atmosphere when volatile organic compounds (VOCs), sometimes referred to as reactive organic gases, and NO_x react in the presence of ultraviolet sunlight. O_3 is not a primary pollutant; it is a secondary pollutant formed by complex interactions of two pollutants directly emitted into the atmosphere. The primary sources of VOCs and NO_X, the precursors of O_3, are automobile exhaust and industrial sources. Meteorology and terrain play major roles in O_3 formation, and ideal conditions occur during summer and early autumn on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. Short-term exposures (lasting for a few hours) to O_3 at levels typically observed in the San Joaquin Valley can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes.

2.1.2 Nitrogen Dioxide

Most NO_2, like O_3, is not directly emitted into the atmosphere but is formed by an atmospheric chemical reaction between nitric oxide (NO) and atmospheric oxygen. NO and NO_2 are collectively referred to as NO_X and are major contributors to O_3 formation. The primary sources of NO, the precursor to NO_2, include automobile exhaust and industrial sources. High concentrations of NO_2 can cause breathing difficulties and result in a brownish-red cast to the atmosphere, causing reduced visibility. There is some indication of a relationship between NO_2 and chronic pulmonary fibrosis, and some increase in bronchitis in children (2 and 3 years old) has also been observed at concentrations below 0.3 parts per million by volume (ppm).

2.1.3 Carbon Monoxide

Carbon Monoxide (CO) is a colorless and odorless gas formed by the incomplete combustion of fossil fuels. CO is emitted almost exclusively from motor vehicles, power plants, refineries, industrial boilers, ships, aircraft, and trains. In urban areas, such as the Project location, automobile exhaust accounts for the majority of CO emissions. CO is a non-reactive air pollutant that dissipates relatively quickly; therefore, ambient CO concentrations generally follow the spatial and temporal distributions of vehicular traffic. CO concentrations are influenced by local meteorological conditions, primarily wind speed, topography, and atmospheric stability. CO from motor vehicle exhaust can become locally concentrated when surface-based temperature inversions are combined with calm atmospheric conditions, a

typical situation at dusk in urban areas between November and February. The highest levels of CO typically occur during the colder months of the year when inversion conditions, where a layer of warm air sits atop cool air, are more frequent and can trap pollutants close to the ground. In terms of health, CO competes with oxygen, often replacing it in the blood, thus reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can be dizziness, fatigue, and impairment of central nervous system functions.

2.1.4 Sulfur Dioxide

Sulfur Dioxide (SO_2) is a colorless, pungent gas formed primarily by the combustion of sulfur-containing fossil fuels. The main sources of SO_2 are coal and oil used in power plants and industries; as such, the highest levels of SO_2 are generally found near large industrial complexes. In recent years, SO_2 concentrations have been reduced by the increasingly stringent controls placed on stationary source emissions of SO_2 and limits placed on the sulfur content of fuels. SO_2 is an irritant gas that attacks the throat and lungs and can cause acute respiratory symptoms and diminished ventilator function in children. SO_2 can also yellow plant leaves and erode iron and steel.

2.1.5 Particulate Matter

Particulate matter (PM) pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter can form when gases emitted from industries and motor vehicles undergo chemical reactions in the atmosphere. $PM_{2.5}$ and PM_{10} represent fractions of particulate matter. Fine particulate matter, or $PM_{2.5}$, is roughly 1/28 the diameter of a human hair. $PM_{2.5}$ results from fuel combustion (e.g., motor vehicles, power generation, and industrial facilities), residential fireplaces, and woodstoves. In addition, $PM_{2.5}$ can be formed in the atmosphere from gases such as sulfur oxides (SO_X), NO_X, and VOCs. Inhalable or coarse particulate matter, or PM_{10}, is about one- seventh the thickness of a human hair. Major sources of PM_{10} include crushing or grinding operations; dust stirred up by vehicles traveling on roads; wood-burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions.

$PM_{2.5}$ and PM_{10} pose a greater health risk than larger-size particles. When inhaled, these tiny particles can penetrate the human respiratory system's natural defenses and damage the respiratory tract. $PM_{2.5}$ and PM_{10} can increase the number and severity of asthma attacks, cause or aggravate bronchitis and other lung diseases, and reduce the body's ability to fight infections. Very small particles of substances such as lead, sulfates, and nitrates can cause lung damage directly or be absorbed into the bloodstream, causing damage elsewhere in the body. Additionally, these substances can transport absorbed gases, such as chlorides or ammonium, into the lungs, also causing injury. Whereas PM_{10} tends to collect in the upper portion of the respiratory system, $PM_{2.5}$ is so tiny that it can penetrate deeper into the lungs and damage lung tissues. Suspended particulates also damage and discolor surfaces on which they settle, as well as produce haze and reduce regional visibility.

2.1.6 Lead

Lead (Pb) in the atmosphere occurs as particulate matter. Sources of lead include leaded gasoline, the manufacturing of batteries, paint, ink, ceramics, ammunition, and secondary lead smelters. Prior to 1978, mobile emissions were the primary source of atmospheric lead. Between 1978 and 1987, the phase-out of leaded gasoline reduced the overall inventory of

airborne lead by nearly 95%. With the phase-out of leaded gasoline, secondary lead smelters, battery recycling, and manufacturing facilities are becoming lead-emission sources of greater concern.

Prolonged exposure to atmospheric lead poses a serious threat to human health. Health effects associated with exposure to lead include gastrointestinal disturbances, anemia, kidney disease, and in severe cases, neuromuscular and neurological dysfunction. Of particular concern are low-level lead exposures during infancy and childhood. Such exposures are associated with decrements in neurobehavioral performance, including intelligence quotient performance, psychomotor performance, reaction time, and growth.

2.1.7 Sulfates

Sulfates are the fully oxidized form of sulfur, which typically occur in combination with metals or hydrogen ions. Sulfates are produced from reactions of SO_2 in the atmosphere. Sulfates can result in respiratory impairment, as well as reduced visibility.

2.1.8 Vinyl Chloride

Vinyl chloride is a colorless gas with a mild, sweet odor, which has been detected near landfills, sewage plants, and hazardous waste sites, due to the microbial breakdown of chlorinated solvents. Short-term exposure to high levels of vinyl chloride in air can cause nervous system effects, such as dizziness, drowsiness, and headaches. Long-term exposure through inhalation can cause liver damage, including liver cancer.

2.1.9 Hydrogen Sulfide

Hydrogen sulfide is a colorless and flammable gas that has a characteristic odor of rotten eggs. Sources of hydrogen sulfide include geothermal power plants, petroleum refineries, sewers, and sewage treatment plants. Exposure to hydrogen sulfide can result in nuisance odors, as well as headaches and breathing difficulties at higher concentrations.

2.1.10 Visibility-Reducing Particles

Visibility-reducing particles are any particles in the air that obstruct the range of visibility. Effects of reduced visibility can include obscuring the view shed of natural scenery, reduced airport safety, and discouraging tourism. Sources of visibility-reducing particles are the same as for $PM_{2.5}$ described above.

2.2 Non-Criteria Air Pollutants

2.2.1 Toxic Air Contaminants

A substance is considered toxic if it has the potential to cause adverse health effects in humans, including increasing the risk of cancer upon exposure, or acute and/or chronic non-cancer health effects. A toxic substance released into the air is considered a toxic air contaminant (TAC). Examples include certain aromatic and chlorinated hydrocarbons, certain metals, and asbestos. TACs are generated by a number of sources, including stationary sources such as dry cleaners, gas stations, combustion sources, waste processing facilities and laboratories; mobile sources such as automobiles; and area sources such as landfills. Adverse health effects associated with exposure to TACs may include carcinogenic (i.e., cancer-causing) and non-carcinogenic effects. Non-carcinogenic effects typically affect one or more target organ systems and may be experienced either on short-term (acute) or long-term (chronic) exposure to a given TAC.

2.2.2 Diesel Particulate Matter

Diesel particulate matter (DPM) is part of a complex mixture that makes up diesel exhaust. Diesel exhaust is composed of two phases, gas and particle, both of which contribute to health risks. CARB classified "particulate emissions from diesel-fueled engines" (DPM; 17 CCR 93000) as a TAC in August 1998. DPM is emitted from a broad range of diesel engines: on-road diesel engines of trucks, buses, and cars, and off-road diesel engines including locomotives, marine vessels, and heavy-duty construction equipment, among others. Approximately 70% of all airborne cancer risk in California is associated with DPM.[1] To reduce the cancer risk associated with DPM, CARB adopted a diesel risk reduction plan in 2000.

2.3 Regulatory Setting

2.3.1 Federal and State Ambient Air Quality Standards for Criteria Air Pollutants

The Federal Clean Air Act (CAA) requires the adoption of National Ambient Air Quality Standards (NAAQS), which are periodically updated, to protect the public health and welfare from the effects of air pollution. Current federal standards are set for SO_2, CO, NO_2, O_3, PM_{10}, $PM_{2.5}$, and Pb.[2]

The State of California also has established additional standards, known as the California Ambient Air Quality Standards (CAAQS), which are generally more restrictive than the NAAQS. The current NAAQS and CAAQS are shown in **Table 2-1**.

Specific geographic areas are classified as either "attainment" or "non-attainment" areas for each pollutant based upon the comparison of measured data with the NAAQS and CAAQS. Those areas designated as "non-attainment" for purposes of NAAQS compliance are required to prepare regional air quality plans, which set forth a strategy for bringing an area into compliance with the standards. These regional air quality plans developed to meet federal requirements are included in an overall program referred to as the State Implementation Plan (SIP). If the SIP is deemed acceptable, the United States Environmental Protection Agency (USEPA) will delegate responsibility for implementation pursuant to the SIP to the State and/or its air districts therein.

Whenever the USEPA revises or establishes a new NAAQS, the State and the USEPA have specific obligations to ensure that the NAAQS is met.[3] These are listed below:

- The USEPA must designate areas as meeting (attainment areas) or not meeting (non-attainment areas) the NAAQS within two years after its promulgation.
- States must submit "infrastructure SIPs" to show that they have the basic air quality management program components in place to implement the NAAQS within three years after its promulgation.

---

1 CARB. 2000. Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles. Available at: https://ww2.arb.ca.gov/sites/default/files/classic//diesel/documents/rrpfinal.pdf. Accessed: February 2025.

2 NAAQS. Available at: https://www.epa.gov/criteria-air-pollutants/naaqs-table. Accessed: February 2025.

3 USEPA. NAAQS Implementation Process. Available at: https://www.epa.gov/criteria-air-pollutants/naaqs-implementation-process. Accessed: February 2025.

- States must submit non-attainment area SIPs that outline the strategies and emission control measures that will improve AQ and make the area meet the NAAQS within 18 to 24 months after designation.

The steps involved in the SIP process are described below.[4]

- SIPs must be developed with public input and be formally adopted by the State and submitted to the USEPA by the Governor's designee (CARB in California).
- The USEPA reviews each SIP and proposes to approve or disapprove all or part it. The public is then provided with an opportunity to comment on the USEPA's proposed action. The USEPA considers public input before taking final action on a State's plan.
- If the USEPA approves all or part of a SIP, those control measures are enforceable in federal court. In the event a State fails to submit an approvable SIP or if the USEPA disapproves a SIP, the USEPA is required to develop a Federal Implementation Plan.

Table 2-2 summarizes the attainment status of San Joaquin County (San Joaquin Valley Air Pollution Control District) for the pollutants regulated by the NAAQS and CAAQS.[5] As seen in **Table 2-2**, San Joaquin County is currently in attainment (including where unclassified) for: the federal PM_{10} standard, the federal and State CO standards, the federal and State NO_2 standards, the federal and State SO_2 standards, the federal and state lead standards, and the State visibility-reducing particles, sulfates, hydrogen sulfide, and vinyl chloride standards. However, as also shown in **Table 2-2**, San Joaquin County is currently designated as non-attainment for the State 1-hour O_3 standard, the federal and State 8-hour O_3 standards, the State PM_{10} standards, and the federal and State $PM_{2.5}$ standards.[6, 7, 8]

2.3.2 Federal Heavy-duty Engines and Vehicles Fuel Efficiency Standards

In 2010, President Obama issued a memorandum directing the same federal agencies to establish additional standards regarding fuel efficiency and GHG reduction, clean fuels, and advanced vehicle infrastructure. In response to this directive, the USEPA and NHTSA proposed stringent, coordinated federal GHG and fuel economy standards for model year 2017–2025 light-duty vehicles. The proposed standards are projected to achieve 163 grams/mile of CO_2 in model year 2025, on an average industry fleet-wide basis, which is equivalent to 54.5 miles per gallon if this level were achieved solely through fuel efficiency. The final rule was adopted in 2012 for model years 2017–2021.

In August 2017, the USEPA asked for additional information and data relevant to assessing whether the GHG emissions standards for model years 2022-2025 remain appropriate. In early 2018, the USEPA Administrator announced that the midterm evaluation for the GHG emissions standards for cars and light-duty trucks for model years 2022-2025 was

[4] USEPA. State Implementation Plan Development Process. Available at: https://www.epa.gov/criteria-air-pollutants/naaqs-implementation-process. Accessed: February 2025.

[5] USEPA. Non-attainment Areas for Criteria Pollutants (Green Book). Available at: https://www.epa.gov/green-book. Accessed: February 2025.

[6] Ibid.

[7] California standard attainment status based on CARB website. Available at: http://www.arb.ca.gov/desig/adm/adm.htm. Accessed: February 2025.

[8] SJVAPCD Attainment status. Available at: https://ww2.valleyair.org/air-quality-information/ambient-air-quality-standards-valley-attainmnet-status/. Accessed: February 2025.

completed and stated his determination that the current standards should be revised in light of recent data. Subsequently, in 2018, the USEPA and NHTSA proposed to amend certain existing Corporate Average Fuel Economy (CAFE) standards and tailpipe carbon dioxide emissions standards for passenger cars and light trucks and establish new standards, covering model years 2021-2026. Compared to maintaining the post-2020 standards now in place, the pending proposal would increase U.S. fuel consumption.[9] California and other states have announced their intent to challenge federal actions that would delay or eliminate GHG reductions. In April 2020, NHTSA and EPA amended the CAFE and GHG emissions standards for passenger cars and light trucks and established new less stringent standards, covering model years 2021 through 2026.

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011, the USEPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018. The standards for CO_2 emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles.

In August 2016, the USEPA and NHTSA announced the adoption of the phase two program related to the fuel economy and GHG standards for medium- and heavy-duty trucks. The phase two program will apply to vehicles with model year 2018 through 2027 for certain trailers, and model years 2021 through 2027 for semi-trucks, large pickup trucks, vans and all types of sizes of buses and work trucks. The final standards are expected to lower carbon dioxide emissions by approximately 1.1 billion MT and reduce oil consumption by up to two billion barrels over the lifetime of the vehicles sold under the program.[10]

On September 27, 2019, the USEPA and NHTSA published the SAFE Rule (Part One).[11] The SAFE Rule (Part One) went into effect in November 2019, and revoked California's authority to set its own GHGs standards and set zero emission vehicle mandates in California. The SAFE Rule (Part One) freezes new zero emission vehicles (ZEV) sales at model year 2020 levels for year 2021 and beyond and will likely result in a lower number of future ZEVs and a corresponding greater number of future gasoline internal combustion engine vehicles. In response to the USEPA's adoption of the SAFE Rule (Part One), CARB has issued guidance regarding the adjustment of vehicle emissions factors to account for the rule's implications on criteria air pollutant and greenhouse gas emissions.[12,13] The SAFE Rule is subject to

[9] Federal Register. 2018. *The Safer Affordable Fuel-Efficient (SAFE) Vehicles Final Rule for Model Years 2021-2026 Passenger Cars and Light Trucks*. Available at: https://www.epa.gov/regulations-emissions-vehicles-and-engines/safer-affordable-fuel-efficient-safe-vehicles-final-rule. Accessed: January 2025.

[10] USEPA and NHTSA, 2016. Greenhouse Gas Emissions and Fuel Efficiency Standards for Medium and Heavy-Duty Engines and Vehicles – Phase 2. Available at: https://www.gpo.gov/fdsys/pkg/FR-2016-10-25/pdf/2016-21203.pdf. Accessed: January 2025.

[11] USEPA and NHTSA. 2019. Federal Register, Vol. 84, No. 188, *The Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule Part One: One National Program*. September 27. Available at: https://www.govinfo.gov/content/pkg/FR-2019-09-27/pdf/2019-20672.pdf. Accessed: January 2025.

[12] CARB. 2019. EMFAC Off-Model Adjustment Factors to Account for the SAFE Vehicle Rule Part One. November 20. Available at: https://ww2.arb.ca.gov/sites/default/files/2023-02/emfac_off_model_adjustment_factors_final_draft.pdf. Accessed: January 2025.

[13] CARB. 2020. EMFAC Off-Model Adjustment Factors for Carbon Dioxide Emissions to Account for the SAFE Vehicles Rule Part One and the Final SAFE Rule. June 26. Available at: https://ww2.arb.ca.gov/sites/default/files/2023-02/emfac_off_model_co2_adjustment_factors_06262020-final.pdf. Accessed: January 2025.

ongoing litigation and on February 8, 2021, the D.C. Circuit Court of Appeals granted the Biden Administration's motion to stay litigation over Part 1 of the SAFE Rule. On April 22 and April 28, 2021, respectively, NHTSA and USEPA formally announced their intent to reconsider the Safe Rule (Part One).[14,15] A virtual public hearing for EPA's Notice of Reconsideration of SAFE I was held on June 2, 2021. The NHTSA finalized the CAFE Pre-emption rulemaking to withdraw its portions of the SAFE I Rule on December 21, 2021.[16] On March 9, 2022, USEPA reinstated California's authority under the CAA to implement its own GHG emission standards and ZEV sales mandate and entirely rescinded the SAFE Rule (Part One).

In December 2021, the USEPA finalized federal GHG emissions standards for passenger cars and light trucks for Model Years 2023 through 2026. These standards are the strongest vehicle emissions standards ever established for the light-duty vehicle sector and are based on sound science and grounded in a rigorous assessment of current and future technologies. The updated standards will result in avoiding more than 3 billion tons of GHG emissions through 2050.[17]

In April 2023, the EPA proposed a new, more ambitious proposed standards for national greenhouse gas emission standards from light-duty and medium-duty vehicles starting with 2027 model year vehicles.[18] On March 20, 2024, EPA finalized these standards, which will phase in over model years 2027 to 2032. These standards build upon existing rules, and leverage advances in clean car technology to realize benefits to Americans such as the improvement of public health through reduction of criteria air pollutant and greenhouse gas emissions from vehicles.[19]

On August 5, 2021, EPA announced plans to reduce greenhouse gas (GHG) emissions and other harmful air pollutants from heavy-duty trucks through a series of rulemakings over the next three years. The first rulemaking of this Clean Trucks Plan is a final rule signed on December 20, 2022, which focuses on reducing emissions that form smog and soot and will

[14] NHTSA. 2021. NHTSA Advances Biden-Harris Administration's Climate & Jobs Goals. April 22. Available at: https://www.nhtsa.gov/press-releases/nhtsa-advances-biden-harris-administrations-climate-jobs-goals. Accessed: January 2025.

[15] USEPA. 2021. Federal Register, Vol. 86, No. 80, *California State Motor Vehicle Pollution Control Standards; Advanced Clean Car Program; Reconsideration of a previous Withdrawal of a Waiver of Preemption; Opportunity for Public Hearing and Public Comment*. April 28. Available at: https://www.epa.gov/regulations-emissions-vehicles-and-engines/notice-reconsideration-previous-withdrawal-waiver. Accessed: January 2025.

[16] NHTSA. Available at: https://www.nhtsa.gov/laws-regulations/corporate-average-fuel-economy. Accessed: January 2025.

[17] USEPA. 2021. Final Rule to Revise Existing National GHG Emissions Standards for Passenger Cars and Light Trucks Through Model Year 2026. Available at: https://www.epa.gov/regulations-emissions-vehicles-and-engines/final-rule-revise-existing-national-ghg-emissions. Accessed: January 2025.

[18] United States Environmental Protection Agency. 2023. Proposed Rule: Multi-Pollutant Emissions Standards for Model Years 2027 and Later Light-Duty and Medium-Duty Vehicles. Available at: https://www.epa.gov/regulations-emissions-vehicles-and-engines/proposed-rule-multi-pollutant-emissions-standards-model. Accessed: January 2025.

[19] United States Environmental Protection Agency. 2023. Final Rule: Multi-Pollutant Emissions Standards for Model Years 2027 and Later Light-Duty and Medium-Duty Vehicles. Available at: https://www.epa.gov/regulations-emissions-vehicles-and-engines/final-rule-multi-pollutant-emissions-standards-model. Accessed: January 2025.

apply to heavy-duty engines and vehicles beginning in model year 2027.[20] Two additional rulemakings, Phase 3 greenhouse gas rule for heavy-duty engines and the multi-pollutant emissions standards for light-duty and medium-duty vehicles were signed in March 2024, and marked the completion of the Clean Trucks Plan.[21]

2.3.3 Federal Hazardous Air Pollutants Program

The 1977 CAA Amendments required the USEPA to identify National Emissions Standards for Hazardous Air Pollutants (NESHAPs) to protect the public health and welfare. Hazardous air pollutants include certain VOCs, pesticides, herbicides, and radionuclides that present a tangible hazard, based on scientific studies of exposure to humans and other mammals. Under the 1990 CAA Amendments, which expanded the control program for hazardous air pollutants, 189 substances and chemical families were identified as hazardous air pollutants.

2.3.4 California's Air Toxics Program

The state Air Toxics Program was established in 1983 under Assembly Bill (AB) 1807 (Tanner). The California TAC list identifies more than 700 pollutants, of which carcinogenic and non-carcinogenic toxicity criteria have been established for a subset of these pollutants pursuant to the California Health and Safety Code. In accordance with AB 2728, the state list includes the (federal) hazardous air pollutants.

The Air Toxics "Hot Spots" Information and Assessment Act of 1987 (AB 2588) seeks to identify and evaluate risk from air toxics sources; however, AB 2588 does not reduce the quantity of air toxics emissions. Instead, under AB 2588, TAC emissions from individual facilities are quantified and prioritized. "High-priority" facilities are required to perform a health risk assessment, and if specific thresholds are exceeded, are required to communicate the results to the public in the form of notices and public meetings.

In 2000, CARB approved a comprehensive Diesel Risk Reduction Plan to reduce diesel emissions from both new and existing diesel-fueled vehicles and engines. The plan is anticipated to result in an 85% decrease in statewide diesel health risk in 2020 compared with the diesel risk in 2000. Additional regulations apply to new trucks and diesel fuel, including the On-Road Heavy-Duty Diesel Vehicle (In-Use) Regulation, the On-Road Heavy-Duty (New) Vehicle Program, the In-Use Off-Road Diesel Vehicle Regulation, and the New Off-Road Compression Ignition (Diesel) Engines and Equipment program. All of these regulations and programs have timetables by which manufacturers must comply and existing operators must upgrade their diesel-powered equipment. There also are several Airborne Toxic Control Measures that reduce diesel emissions, including In-Use Off-Road Diesel-Fueled Fleets (13 CCR 2449 et seq.) and In-Use On-Road Diesel-Fueled Vehicles (13 CCR 2025).

2.3.5 California Health and Safety Code Section 41700

This section of the Health and Safety Code states that a person shall not discharge from any source whatsoever quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public,

[20] USEPA. Regulations for Emissions from Vehicles and Engines. Available at: https://www.epa.gov/regulations-emissions-vehicles-and-engines/regulations-greenhouse-gas-emissions-commercial-trucks. Accessed: January 2025.

[21] USEPA. Regulations for Emissions from Vehicles and Engines. Available at: https://www.epa.gov/regulations-emissions-vehicles-and-engines/regulations-greenhouse-gas-emissions-commercial-trucks. Accessed: January 2025.

or that endanger the comfort, repose, health, or safety of any of those persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property. This section also applies to sources of objectionable odors.

2.3.6 California's Pavley Standards

AB 1493 ("the Pavley Standard" or AB 1493) required CARB to adopt regulations by January 1, 2005, to reduce GHG emissions from non-commercial passenger vehicles and light-duty trucks of model year 2009 through 2016.

CARB's approach to passenger vehicles (cars and light trucks), under AB 1493, combines the control of smog-causing pollutants and GHG emissions into a single coordinated package of standards. This new approach also includes efforts to support and accelerate the numbers of plug-in hybrids and zero emission vehicles in California. These standards will apply to all passenger and light-duty trucks used by customers, employees of and deliveries to the Project. While AB 1493 focuses on the reduction of GHG emissions, it is anticipated that this regulation would also help reduce criteria air pollutants.

2.3.7 California's Advanced Clean Cars and Advanced Clean Fleets

In January 2012, CARB approved the Advanced Clean Cars (ACC) program,[22] a new emissions control program for model year 2017 through 2025. The program combines the control of smog, soot, and GHGs with requirements for greater numbers of zero emission vehicles. The rules will be fully implemented this year (2025), ensuring new automobiles will emit 34 percent fewer global warming gases and 75 percent fewer smog-forming emissions. While ACC focuses on the reduction of GHG emissions, it is anticipated that this regulation would also help reduce criteria air pollutants. At the time of this writing, CARB has adopted the Advanced Clean Cars II (ACC II) regulations which "will seek to reduce criteria and greenhouse gas emissions from new light- and medium-duty vehicles beyond the 2025 model year and increase the number of ZEV for sale".[23]

In October 2022, CARB approved the Advanced Clean Fleets (ACF) regulation, which has requirements for fleets to phase in the use of ZEV from 2024 to 2042 and beyond. The fleets required to comply with the regulation include state and local government agency fleets, high-priority and federal fleets, and drayage fleets. The regulation also includes a requirement for manufacturers to only sell zero emission trucks starting in 2036. The ACF regulation is meant to complement the ACT regulation and will contribute to meeting the goals set out in Governor Newsom's EO N-79-20. In July 2024, CARB requested a waiver of pre-emption from EPA, but withdrew the waiver request on January 13, 2025.

2.3.8 California's Advanced Clean Trucks

In June 2020, CARB approved the Advanced Clean Trucks regulation, which has requirements for manufacturer ZEV sales and a one-time reporting requirement for large entities and fleets.[24] The Advanced Clean Truck Regulation is part of a holistic approach to accelerate a large-scale transition of zero emission medium-and heavy-duty vehicles from

[22] Advanced Clean Cars Program. Available at: https://ww2.arb.ca.gov/index.php/our-work/programs/advanced-clean-cars-program. Accessed: February 2025.

[23] Advanced Clean Cars II Program. Available at: https://ww2.arb.ca.gov/advanced-clean-cars-ii-meetings-workshops. Accessed: February 2025.

[24] CARB. 2020. Advanced Clean Trucks. Available at: https://ww2.arb.ca.gov/our-work/programs/advanced-clean-trucks. Accessed: February 2025.

Class 2b to Class 8. Manufacturers who certify Class 2b-8 chassis or complete vehicles with combustion engines are required to sell zero emission trucks as an increasing percentage of their annual California sales from 2024 to 2035. By 2035, zero emission truck/chassis sales need to be 55% of Class 2b – 3 truck sales, 75% of Class 4 – 8 straight truck sales, and 40% of truck tractor sales. Large employers including retailers, manufacturers, brokers and others are required to report information about shipments and shuttle services. Fleet owners, with 50 or more trucks, are required to report about their existing fleet operations. This information helps to identify future strategies to ensure that fleets purchase available zero emission trucks and place them in service where suitable to meet their needs.

2.3.9 California's Diesel Emissions Control Measures

CARB has adopted a number of Airborne Toxic Control Measures (ATCMs) to control diesel particulate emissions and emissions from in-use on- and off-road diesel-fueled vehicles. With the assistance of the Advisory Committee and its subcommittees, CARB developed and approved the *Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles*[25] and the *Risk Management Guidance for the Permitting of New Stationary Diesel-Fueled Engines*.[26] Various control measures adopted by CARB to reduce diesel emissions are summarized below.

2.3.9.1 ATCM: Diesel-Fueled Commercial Motor Vehicle Idling

In July 2004, CARB initially adopted an ATCM to limit idling of diesel-fueled commercial motor vehicles (idling ATCM) and subsequently amended it in October 2005, October 2009, and December 2013. This ATCM is set forth in Title 13, California Code of Regulations, Section 2485, and requires, among other things, that drivers of diesel-fueled commercial motor vehicles with gross vehicle weight ratings greater than 10,000 pounds, including buses and sleeper berth equipped trucks, not idle the vehicle's primary diesel engine longer than five minutes at any location. This anti--idling regulation helps to reduce fuel consumption by reducing engine usage. The ATCM also requires owners and motor carriers that own or dispatch these vehicles to ensure compliance with the ATCM requirements. The regulation consists of new engine and in-use truck requirements and emission performance requirements for technologies used as alternatives to idling the truck's main engine. Under the new engine requirements, 2008 and newer model year heavy-duty diesel engines need to be equipped with a non-programmable engine shutdown system that automatically shuts down the engine after five minutes of idling or optionally meet a stringent oxides of nitrogen idling emission standard.

2.3.9.2 ATCM: Stationary Compression Ignition Engines

This ATCM establishes emission standards and fuel use requirements for new and in-use stationary engines used in prime and emergency back-up applications (non-agricultural) and for new stationary engines used in agricultural applications.[27] While this ATCM focuses on the

[25] CARB. 2000. Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles. Available at: https://www.arb.ca.gov/diesel/documents/rrpfinal.pdf. Accessed: February 2025.

[26] CARB. 2008. California's Diesel Risk Reduction Plan: Risk Management Guidance for the Permitting of New Stationary Diesel-Fueled Engines. Available at: https://www.arb.ca.gov/diesel/documents/rmg.htm. Accessed: February 2025.

[27] 17 CCR 93115: Airborne Toxic Control Measure for Stationary Compression Ignition (CI) Engines. Available at: https://ww2.arb.ca.gov/sites/default/files/classic/diesel/ag/documents/finalreg112807.pdf. Accessed: February 2025.

reduction of diesel particulate emissions as a toxic, this regulation would also help reduce criteria air pollutants.

2.3.9.3 In-Use Off-Road Diesel-Fueled Fleets

These regulations reduce diesel PM and NO_x emissions from in-use, off-road heavy-duty diesel vehicles in California. Such vehicles typically are used in construction, mining, and industrial operations. The regulations, among other requirements, impose limits on idling; require all vehicles to be reported to CARB (using the Diesel Off-Road Online Reporting System) and labeled; restrict the adding of older vehicles into fleets; and require fleets to reduce their emissions by retiring, replacing, or repowering older engines, or installing Verified Diesel Emission Control Strategies (VDECS) (i.e., exhaust retrofits).

The requirements and compliance dates of the regulations vary by fleet size. Large fleets have compliance deadlines each year from 2014 through 2023, medium fleets each year from 2017 through 2023, and small fleets each year from 2019 through 2028.[28] In May 2008, CARB approved the In-Use Off-Road Diesel-Fueled Fleets Regulation (Off-Road Regulation), which was later amended in December 2009, July 2010, December 2011, and November 2022. The 2022 amendments were authorized by EPA on January 10, 2025. The overall purpose of the Off-Road Regulation is to reduce emissions of oxides of nitrogen and particulate matter from off-road diesel vehicles operating within California. The regulation applies to all self-propelled off-road diesel vehicles 25 horsepower or greater used in California and most two-engine vehicles. The Off Road Regulation:

- Imposes limits on idling (i.e., fleets must limit unnecessary idling to 5 minutes), requires a written idling policy, and requires a disclosure when selling vehicles;
- Requires all vehicles to be reported to CARB (using the Diesel Off-Road Online Reporting System, DOORS) and labeled;
- Restricts the adding of older vehicles into fleets starting on January 1, 2014; and
- Requires fleets to reduce their emissions by retiring, replacing, or repowering older engines, or installing Verified Diesel Emission Control Strategies (i.e., exhaust retrofits).

The anti-idling component of this Off-Road Regulation helps to reduce fuel consumption by reducing engine usage.

The latest amendments include the following changes:[29]

- Phase-out of the oldest and highest-emitting off-road engines from operation;
- Restrict the addition of vehicles with Tier 3 and Tier 4 Interim engines;
- Require contracting entities to obtain and retain a fleet's valid Certificate of Reported Compliance prior to awarding a contract or hiring a fleet;
- Mandate the use of R99 or R100 Renewable Diesel for all fleets;

[28] 13 CCR 2449: General Requirements for In-Use Off-Road Diesel-Fueled Fleets. Available at: https://ww2.arb.ca.gov/sites/default/files/classic/msprog/ordiesel/documents/finalregorder-dec2011.pdf. Accessed: February 2025.

[29] CARB. 2022. Rulemaking Documents for the In-Use Off-Road Diesel-Fueled Fleets Regulation. Available at: https://ww2.arb.ca.gov/our-work/programs/use-road-diesel-fueled-fleets-regulation/rulemaking-documents. Accessed: January 2025.

- Provide voluntary compliance flexibility options for fleets that adopt zero emission technology; and
- Provide additional flexibility for permanent low-use vehicles.

2.3.9.4 Truck and Bus Regulation

The Truck and Bus Regulation (13 CCR 2025) requires diesel trucks and buses to be upgraded to reduce emissions; newer heavier trucks and buses must meet PM filter requirements; lighter and older heavier trucks must be replaced; and, by January 1, 2023, nearly all trucks and buses were required to have 2010 model year engines or equivalent to reduce PM and NOx emissions.

The regulation applies to nearly all privately- and federally-owned diesel-fueled trucks and buses, and to privately- and publicly-owned school buses with a gross vehicle weight rating greater than 14,000 pounds. The regulation provides a variety of flexibility options tailored to fleets operating low-use vehicles, fleets operating in selected vocations like agricultural and construction, and small fleets of three or fewer trucks.

2.3.10 Local Regulations and Guidance

Air pollution often does not conform to city and/or county jurisdictional boundaries, and the State has been divided into air basins based on geographical and meteorological conditions. Air pollution within each air basin is regulated by the regional air pollution control districts/air quality management districts, in a manner that is consistent with and in furtherance of standards adopted by the USEPA and CARB. The Project site is located within the San Joaquin Valley Air Basin (SJVAB) and the jurisdictional boundaries of the San Joaquin Valley Air Pollution Control District (SJVAPCD).

2.3.10.1 San Joaquin Valley Air Pollution Control District

District Plans

While CARB is responsible for the regulation of mobile emission sources within the state, local Air Quality Management Districts (AQMDs) and Air Pollution Control Districts (APCDs) are responsible for enforcing standards and regulating stationary sources. The Project site is located within the SJVAB and is subject to the guidelines and regulations of the SJVAPCD.

The SJVAPCD is responsible for developing and implementing the clean air plan for attainment and maintenance of the ambient AQ standards in the SJVAB. The SJVAPCD's AQ plans include emissions inventories to measure the sources of air pollutants, to evaluate how well different control methods have worked, and to show how air pollution will be reduced. The plans also use computer modeling to estimate future levels of pollution and to demonstrate that the Valley will meet AQ goals. The most recent plans are summarized below.

2018 Plan for the 1997, 2006, and 2012 $PM_{2.5}$ Standards

In November 2018, SJVAPCD adopted the 2018 Plan for the 1997, 2006, and 2012 $PM_{2.5}$ Standards.[30] This plan addresses the USEPA federal 1997 annual $PM_{2.5}$ standard and 24-hour $PM_{2.5}$ standard; the 2006 24-hour $PM_{2.5}$ standard; and the 2012 annual $PM_{2.5}$ standard. In the report, SJVAPCD included mobile source measures and a comprehensive suite of fiscally

[30] SJVAPCD. 2018. 2018 Plan for the 1997, 2006, and 2012 PM2.5 Standards. Available at: http://www.valleyair.org/pmplans/documents/2018/pm-plan-adopted/2018-Plan-for-the-1997-2006-and-2012-PM2.5-Standards.pdf. Accessed: February 2025.

responsible local measures for stationary and area sources, including measures to further reduce emissions from industrial sources, residential wood-burning and commercial charbroiling.

2016 Plan for the 2008 8-Hour Ozone Standard

In June 2016, SJVAPCD adopted the 2016 Plan for the 2008 8-hour Ozone Standard. [31] Through the comprehensive stationary and mobile source control strategies that previously have been adopted and that are now proposed in this plan, NO_x emissions in the SJVAB are expected to be reduced by over 60% between 2012 and 2031. As a result, the ambient ozone concentrations are projected to decrease dramatically in all areas of the Valley, such that future 8-hour ozone concentrations are expected to demonstrate attainment.

District Rules and Regulations

The SJVAPCD is responsible for planning, implementing, and enforcing federal and state ambient standards in the SJVAB. Below is a list of SJVAPCD rules relevant to the Project:

Regulation II: Permits

Regulation II (Rules 2010-2550) contains a series of rules covering permitting requirements within the SJVAB. SJVAPCD regulations require any person constructing, altering, replacing or operating any source which emits, may emit, or may reduce emissions to obtain an Authority to Construct or a Permit to Operate.

Rule 3135: Dust Control Plan Fee

This rule requires the applicant to submit a fee in addition to a Dust Control Plan. The purpose of this fee is to recover the SJVAPCD's cost for reviewing these plans and conducting compliance inspections.[32]

Rule 4101: Visible Emissions

This rule applies to any source operation that emits or may emit air contaminants. The purpose of this rule is to prohibit the emissions of visible air contaminants to the atmosphere.[33]

Rule 4102: Nuisance

This rule applies to any source operation that emits or may emit air contaminants or other materials. In the event that the Project or construction of the Project creates a public nuisance, it could be in violation and be subject to SJVAPCD enforcement action.[34]

[31] SJVAPCD (June 2016), "2016 Plan for the 2008 8-Hour Ozone Standard." Available at: https://www.valleyair.org/Air_Quality_Plans/Ozone-Plan-2016/Adopted-Plan.pdf. Accessed: February 2025.

[32] SJVAPCD (October 2005), "Dust Control Plan Fee," Rule 3135. Available at: https://www.valleyair.org/rules/currntrules/2018/R3135-a2.pdf. Accessed: February 2025.

[33] SJVAPCD (February 2005), "Visible Emissions," Rule 4101. Available at: https://www.valleyair.org/rules/currntrules/r4101.pdf. Accessed: February 2025.

[34] SJVAPCD (May 1992), "Nuisance," Rule 4102. Available at: http://www.valleyair.org/rules/currntrules/r4102.pdf. Accessed: February 2025.

Rule 4601: Architectural Coating

This rule limits VOC content in architectural coatings. This rule also contains requirements for architectural coatings storage, clean up and labeling.[35]

Rule 4622: Gasoline Transfer into Motor Vehicle Fuel Tanks

This rule applies to any gasoline storage and dispensing operation or mobile fueler from which gasoline is transferred into motor vehicle fuel tanks. The purpose of this rule is to limit emissions to gasoline vapors.[36]

Rule 4641: Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations

Rule 4641 applies to the manufacture and use of cutback asphalt, slow cure asphalt and emulsified asphalt for paving and maintenance operations. Asphalt paving operations associated with the Project will be subject to Rule 4641.[37]

Regulation VIII: Fugitive PM_{10} Prohibitions

Regulation VIII (Rules 8011-8081) contains a series of rules designed to reduce PM_{10} emissions (predominantly dust/dirt) generated by human activity, including construction and demolition activities, road construction, bulk materials storage, paved and unpaved roads, carryout and track out, etc. If a construction Project is 10 or more acres in area or will include moving, depositing or relocating more than 2,500 cubic yards (CY) per day of bulk materials on at least three days, then a Dust Control Plan must be submitted as specified in Section 6.3.1 of Rule 8021 (Construction, Demolition, Excavation, Extraction and Other Earthmoving Activities). Construction activities shall not commence until the SJVAPCD has approved the Dust Control Plan. The Project may also be subject to additional provisions within Rule 8021, as well as Rule 8031 (Bulk Materials), Rule 8041 (Carryout and Track Out), Rule 8051 (Open Areas), Rule 8061 (Paved and Unpaved Roads), and Rule 8071 (Unpaved Vehicle/Equipment Traffic Areas). For example, Rule 8061 places thresholds and requirements on limiting Visible Dust Emissions from unpaved road segments to 20% opacity.[38]

Rule 9510: Indirect Source Rule

This rule requires the applicants of certain development projects which equal or exceed established applicability thresholds to apply to the SJVAPCD when applying for the development's last discretionary approval.[39] The rule is applicable for a development project which upon full buildout would include 2,000 square feet of commercial space as well as a large development project which upon full buildout would include 10,000 square feet of commercial space. This Project includes a commercial space (warehouse) greater than 10,000 square feet. Projects subject to the rule are required to quantify indirect emissions

[35] SJVAPCD (April 1991), "Architectural Coatings," Rule 4601. Available at: http://www.valleyair.org/rules/currntrules/r4601.pdf. Accessed: February 2025.

[36] SJVAPCD (December 2013), "Gasoline Transfer into Motor Vehicle Fuel Tanks," Rule 4622. Available at: https://www.valleyair.org/rules/currntrules/Rule4622.pdf. Accessed: February 2025.

[37] SJVAPCD (April 1991), "Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations," Rule 4641. Available at: http://www.valleyair.org/rules/currntrules/r4641.pdf. Accessed: February 2025.

[38] SJVAPCD (November 2001), "Paved and Unpaved Roads," Rule 8061. Available at: https://www.valleyair.org/rules/currntrules/r8061.pdf. Accessed: February 2025.

[39] SJVAPCD Rule 9510 (Indirect Source Review). Available online at: https://www.valleyair.org/rules/currntrules/r9510-a.pdf. Accessed: February 2025.

(mobile source emissions), area source emissions and construction exhaust emissions and to mitigate a portion of these emissions. The Indirect Source Rule was adopted December 2005 and last amended December 2017. Rule 9510 was adopted to reduce the impacts of growth in emissions from all new development in the San Joaquin Valley. Developers of projects subject to Rule 9510 must reduce emissions occurring during construction and operational phases through on-site measures or pay off-site mitigation fees. The reductions for construction equipment exhaust emissions (for equipment greater than 50 horsepower) are 20% of the total NOx emissions and 45% of the total PM_{10} exhaust emissions. For operation, the operational baseline NOx emissions must be reduced by 33.3% and operational baseline PM_{10} emissions by 50% over a period of ten years. One hundred percent of all off-site mitigation fees are used by the SJVAPCD to fund emission reduction projects through its Incentives Programs, achieving emission reductions on behalf of the project. The emission reductions expected from the rule allow the SJVAPCD to achieve attainment of the federal AQ standards for ozone by 2031.[40]

2.4 Environmental Setting

2.4.1 Local Air Quality Monitoring Data

The Project is located within the SJVAB. The SJVAB consists of eight counties: Fresno, Kern (western and central), Kings, Madera, Merced, San Joaquin, Stanislaus, and Tulare. Cumulatively, these counties make up about 16% of California's geographic area, making the SJVAB the second largest AQ basin in the State.

The SJVAB has 37 monitoring stations to measure AQ; 24 operated by the SJVAPCD, 2 by the National Park Service, 2 by tribal groups, 9 by CARB, and 1 jointly operated by the SJVAPCD and CARB. The location of these monitoring stations can be viewed on the SJVAPCD air monitoring webpage map of air monitoring sites in operation.[41]

The monitoring stations closest to the Project site are Tracy-Airport, Stockton-Hazelton Street, Manteca-530 Fishback Rd, and Stockton-University Park. Please note that none of the monitoring stations in San Joaquin County measure SO_2, so this data is flagged as missing. The most recent four years of published data at these monitoring stations are provided in **Table 2-3**. The frequency with which the ozone and PM standards have been exceeded at the nearest monitoring sites is displayed in **Table 2-4**.

[40] SJVAPCD. 2016 Ozone Plan for 2008 8-Hour Ozone Standard. Available at: https://www.valleyair.org/Air_Quality_Plans/Ozone-Plan-2016/Adopted-Plan.pdf. Accessed: February 2025.

[41] SJVAPCD. Air Monitoring. Available at: https://valleyair.org/aqinfo/air-monitoring.htm. Accessed: December 2025.

3. SIGNIFICANCE THRESHOLDS

3.1 California Environmental Quality Act Guidelines

The analysis provided in this report evaluates the significance of the Project's criteria air pollutant emissions by reference to the following questions from Section III, Air Quality, of Appendix G of the California Environmental Quality Act (CEQA) Guidelines:[42]

Threshold 1. Would the Project conflict with or obstruct implementation of the applicable air quality plan?

Threshold 2. Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard?

Threshold 3. Would the Project expose sensitive receptors to substantial pollutant concentrations?

Threshold 4. Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

An evaluation of the Project based on the significance thresholds discussed below is provided in subsequent sections.

3.2 San Joaquin Valley Air Pollution Control District Thresholds

The SJVAPCD has established significance thresholds[43] to assess the impacts of project-related construction and operational emissions on regional and local ambient AQ. **Table 3-1** shows the mass annual thresholds for construction and operation as adopted by the SJVAPCD for CAP and TAC emissions. As shown in **Table 3-1**, the SJVAPCD has separate operational emissions thresholds for permitted equipment and activities and non-permitted equipment and activities. Permitted equipment and activities are those which require a permit through SJVAPCD. Non-permitted equipment and activities do not require a permit and include area, energy, and mobile sources. The analysis summarized in this report estimates project-related construction and operational mass emissions and compares the emissions to these significance thresholds.

The daily thresholds represent screening-level thresholds that can be used to evaluate whether project-related emissions would cause a significant impact on AQ. For pollutants in attainment, emissions below the screening-level thresholds would not cause a significant impact. When assessing the significance of project-related impacts on AQ, impacts may be significant when on-site emission increases from construction activities or operational activities exceed the 100 pounds per day screening-level of any criteria pollutant after implementation of all enforceable mitigation measures.[44] Under such circumstance, SJVAPCD recommends that an ambient air quality analysis (AAQA) be performed. In the event that emissions exceed these daily thresholds, modeling would be required to demonstrate that

[42] California Natural Resources Agency. 2018. Appendix G of the CEQA Guidelines. Available at: http://resources.ca.gov/ceqa/docs/2018_CEQA_FINAL_TEXT_122818.pdf. Accessed: February 2025.

[43] SJVAPCD. 2015. Air Quality Thresholds of Significance – Criteria Pollutants. March 19. Available at: http://www.valleyair.org/transportation/0714-gamaqi-criteria-pollutant-thresholds-of-significance.pdf. Accessed: February 2025.

[44] SJVAPCD. 2015. GAMAQI. Available at: http://www.valleyair.org/transportation/GAMAQI.pdf. Accessed: February 2025.

the project's total AQ impacts result in ground-level concentrations that are below the CAAQS and NAAQS, including appropriate background levels.

The analysis summarized in this report estimates the maximum daily construction and operational mass emissions related to the Initial Phase of the Project against the daily significance screening thresholds. The Project at Buildout is estimated to be complete following a projected 30-year construction period, which may be subject to change based on market demand and speed at which each District is constructed.

Due to the uncertainty of the construction schedule and intensity of construction activities, only the Initial Phase has been assessed against daily significance thresholds. Remaining construction and operational impacts for the subsequent phases shall be assessed against the AAQA thresholds at the time of application when project-specific details are better understood.

3.3 Project Approach to Significance

This report, relative to Threshold 1, evaluates the Project for consistency with applicable plans related to emissions, including the regional AQ attainment plans. This report, relative to Threshold 2, quantifies the Project's emissions during construction and operations and compares those results to the applicable SJVAPCD thresholds. Relative to Threshold 3, this report includes a CO hotspots analysis and summarizes results of the Health Risk Assessment Technical Report which assesses the potential health risk impacts to sensitive receptors. This report, relative to Threshold 4, evaluates the potential for odor-generating activities from the Project.

4. AIR QUALITY EMISSIONS INVENTORY

This section describes the methodology that Ramboll used to develop the criteria air pollutant emission inventories associated with the Project, which include one-time emissions associated with construction of the Project, and annual emissions associated with operation of the Project. Construction is expected to occur from 2026 to 2056. Emissions due to operation of the Project are quantified for two buildout phases: Initial Phase in 2032 and Full Buildout in 2057. Sub-categories of operational emissions include the following: area, energy, mobile, off-road equipment, wastewater facility, and fueling facility sources.

4.1 Resources

4.1.1 California Emission Estimator Model®

Ramboll primarily utilized the California Emissions Estimator Model (CalEEMod®) Version 2022.1.1[45] methodology to assist in quantifying the criteria air pollutant emissions in the inventories presented in this report for the proposed project. CalEEMod® provides methodologies to calculate both construction emissions and operational emissions from a land use development project. It calculates daily or annual criteria air pollutant emissions. Specifically, the model methodology aids the user in the following calculations:

- One-time short-term construction emissions associated with site preparation, grading, building, paving, and architectural coating phases from off-road construction equipment, and on-road mobile equipment associated with workers, vendors, and hauling.
- Operational emissions associated with the fully built out land use development, such as on-road mobile vehicle traffic generated by the land uses, off-road emissions from landscaping equipment, natural gas usage in buildings, emissions from architectural coatings, and emissions from consumer products.

CalEEMod® is a statewide program designed to calculate both criteria pollutant and GHG emissions from development projects in California developed under the auspices of the SCAQMD, with input from other California air districts, and is currently supported by numerous lead agencies for use in quantifying the emissions associated with development projects undergoing environmental review. CalEEMod® utilizes widely accepted models for emission estimates combined with appropriate default data that can be used if site-specific information is not available. These models and default estimates use sources such as the USEPA AP-42 emission factors,[46] CARB's on-road and off-road equipment emission models such as the EMission FACtor model (EMFAC) and the Emissions Inventory Program model (OFF-ROAD), and studies commissioned by California agencies such as the California Energy Commission (CEC) and CalRecycle.

As mentioned above, CalEEMod® is based upon the CARB approved OFF-ROAD and EMFAC models. OFF-ROAD[47] is an emission factor model used to calculate emission rates from

[45] SCAQMD. 2022. California Emissions Estimator Model®. Available at: http://www.caleemod.com. Accessed: February 2025.

[46] The USEPA maintains a compilation of Air Pollutant Emission Factors and process information for several air pollution source categories. The data is based on source test data, material balance studies, and engineering estimates. Available at: https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emissions-factors. Accessed: February 2025.

[47] CARB. 2017. Off Road Mobile Source Emission Inventory. Available at: https://ww2.arb.ca.gov/our-work/programs/msei/offroad-models. Accessed: February 2025.

off-road mobile sources (e.g., construction equipment, agricultural equipment). The off-road diesel emission factors used by CalEEMod® are based on the CARB OFFROAD2017 program. EMFAC2021[48] is the emission factor model used in CalEEMod® to calculate emissions rates from on-road vehicles (e.g., passenger vehicles).

In addition, CalEEMod® contains default values and existing regulation methodologies to use in each specific local air district region. Appropriate statewide default values can be utilized if regional default values are not defined. Ramboll used default factors for the San Joaquin County area for the emissions inventory, unless otherwise noted in the methodology descriptions below. Details regarding the specific methodologies used by CalEEMod® can be found in the CalEEMod® User's Guide and associated appendices.[49]

4.1.2 Other Resources

Ramboll directly or indirectly relied on emissions estimation guidance from government-sponsored organizations, government-commissioned studies of energy use patterns, Project-specific studies (e.g., Fehr & Peer's CEQA Transportation Impact Analysis Report[50]), and emission estimation software as described above. In cases noted below, third-party studies were also relied upon to support analyses and assumptions made outside of the approach described above.

4.2 Construction Emissions

This section describes the calculation of criteria air pollutant emissions from construction activities at the Project site. While the exact construction schedule and equipment mix may vary from the current analysis, the emissions are not expected to be higher than that calculated given the conservative assumptions included in the analysis.

The major construction phases included in this analysis are:

- Demolition: involves removing buildings or structures.
- Site Preparation: involves clearing vegetation (grubbing and tree/stump removal) and removing stones and other unwanted material or debris prior to grading.
- Grading: involves the cut and fill of land to ensure the proper base and slope for the construction foundation.
- Paving: involves the laying of concrete or asphalt such as in parking lots or roads.
- Building Construction: involves the construction of structures and buildings.
- Architectural Coating: involves parking and lane striping

Ramboll primarily used CalEEMod® to quantify the construction emissions. The modeled construction schedule is shown in **Table 4-1**. Construction of the Project is expected to occur over several phases, with the construction of each Industrial Development Area (Initial, East, West, and Central) being completed prior to the commencement of the following Development Area. The construction of the University Center and Gateway Center are

[48] CARB. 2021. Mobile Source Emissions Inventory. Available at: https://ww2.arb.ca.gov/our-work/programs/msei/on-road-emfac. Accessed: February 2025.

[49] SCAQMD. 2022. California Emissions Estimator Model®. Available at: https://www.caleemod.com/. Accessed: February 2025.

[50] Fehr & Peers. 2024. Draft CEQA Transportation Impact Analysis Report For Pacific Gateway.

expected to occur on an independent schedule, concurrently with construction of the industrial development areas. This schedule serves as a reasonably representative estimate of the phasing anticipated for this project at this time, however ultimately construction scheduling will be dependent on market demand.

Construction-related emissions of ROGs, NO_X, CO, SO_X, PM_{10}, and $PM_{2.5}$ were estimated using CalEEMod®. PM emissions are composed of exhaust emissions and fugitive emissions. Exhaust emissions are typically emitted by a combustion engines of on-road vehicles and/or off-road equipment. Fugitive emissions are PM dust suspended in the air by wind action and construction-related activities. The construction off-road equipment list and off-road equipment specifications are based on CalEEMod® model defaults. Land use information associated with the construction of each development area can be found in CalEEMod® outputs as included in **Appendix A**.

4.2.1 Emissions from Construction Equipment

Emissions from construction equipment were calculated based on the off-road equipment engine use, the equipment list, and phase length. Since the majority of off-road construction equipment used for construction projects are diesel-fueled, CalEEMod® methodology assumes all of the equipment operates on diesel fuel. The calculations include the running exhaust emissions from off-road equipment. Since the equipment is assumed to be diesel, there are no starting emissions associated with the equipment, as these are *de minimis* for diesel-fueled equipment. CalEEMod® calculates the exhaust emissions based on default values for horsepower and load factor from CARB's OFFROAD2017.[51]

Project construction would include on-site equipment during grading/excavation and site preparation that generates fugitive dust. The construction-related equipment mix were developed using CalEEMod® defaults. The combustion and fugitive dust emissions from this equipment were calculated using CalEEMod®. PM_{10} and $PM_{2.5}$ emissions from fugitive dust will be controlled by watering consistent with Regulation VIII (Rules 8011 through 8081).

4.2.2 Emissions from On-Road Construction Trips

Construction generates on-road vehicle criteria air pollutant emissions from personal vehicles for worker and vendor commuting. These emissions are calculated in CalEEMod® based on the number of trips and vehicle miles traveled (VMT) along with emission factors from EMFAC2021. The numbers of worker and vendor trips represent defaults from CalEEMod® based on the construction equipment to be used. Haul trips associated with soil import or export are not expected for this project due to the balanced cut and fill of the site. Haul trips associated with demolition were calculated based on CalEEMod® defaults-based Project-specific demolition assumptions were based on an assessment of existing structures present within each development area as shown in **Table 4-2**.

4.2.3 Fugitive Dust

Fugitive dust contributes to PM_{10} and $PM_{2.5}$ emissions and is generated by the various construction activities occurring at the Project site including entrained road dust, grading, demolition, and truck loading. Entrained road dust is generated by vehicle travel on paved and unpaved roads. Emission factors for entrained road dust are on a "per mile" basis. In CalEEMod®, entrained road dust emission factors are based on the equations presented in

[51] SCAQMD. 2020. California Emissions Estimator Model® User's Guide, Appendix A. Available at: https://www.aqmd.gov/caleemod. Accessed: February 2025.

the Paved Roads and Unpaved Roads chapters of USEPA's AP-42 and are then multiplied by the total VMT for Project-related trips. Emissions from entrained road dust were estimated using CalEEMod® and are presented in **Appendix A**.

Fugitive dust emissions from bulldozing equipment (i.e., rubber-tired dozers), grading equipment (i.e., graders, rubber-tired dozers, and scrapers), and demolition activity occur during the Project construction. In addition, truck loading activities would generate fugitive dust emissions. The construction demolition assumptions are presented in **Table 4-2**. Emissions from these sources were estimated using CalEEMod® and are presented in **Appendix A**.

4.2.4 Architectural Coating

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings. CalEEMod® was used to estimate VOC evaporative emissions from application of surface coatings and these emissions are presented in **Appendix A**. Architectural coating adjustments associated with the implementation of the low-VOC architectural coating mitigation measure are shown in **Table 4-3.**

4.2.5 Paving

CalEEMod® was used to estimate the VOC off-gassing emissions associated with asphalt paving. The emissions associated with paving are presented in **Appendix A**.

4.2.6 Total Construction Emissions

The annual and daily criteria air pollutant emissions associated with construction prior to the application of mitigation measures are shown in **Table 4-4** and **Table 4-5**, respectively. As shown in **Table 4-4**, annual criteria air pollutant emissions from construction of the Project are above the SJVAPCD significance thresholds for VOC and NOx. The daily criteria air pollutant emissions from construction of the Project are above the SJVAPCD significance thresholds for VOC (**Table 4-5**).

4.3 Operational Emissions

This section describes the calculation of criteria air pollutant emissions from Project operational activities. Operational emissions are evaluated for two scenarios: the operation of the Initial Phase land uses in 2032 and the first year of Project buildout operation in 2057.

4.3.1 Area Sources

Area sources are those emissions that are generally too small to be uniquely identified as point sources and are thus generally aggregated as a group. CalEEMod® estimates emissions for the following sources, which are included under the category of "area" sources: landscaping equipment (e.g., lawn mowers), consumer products, and architectural coatings. Criteria air pollutant emissions due to natural gas combustion in buildings, could also be considered area sources, but are reported by CalEEMod® in the emissions associated with building energy use (described below).

The criteria air pollutant emissions generated by the Project were calculated using CalEEMod® and can be viewed in **Appendix A**. The default CalEEMod® consumer products emission factor was adjusted to reflect consumer product usage in San Joaquin County and the operational years of 2032 and 2057, as shown in **Table 4-8**. Architectural coating adjustments associated with the implementation of the low-VOC architectural coating mitigation measure are shown in **Table 4-9.**

4.3.2 Energy Sources

Criteria air pollutant emissions are emitted from buildings as a result of activities for which natural gas is typically used as an energy source. Combustion of fossil fuels, such as natural gas, emits criteria air pollutants directly into the atmosphere. CEC Electricity Demand Forecast Zone (EDFZ) 4 was selected based on the CEC forecast climate zone map shown in the CalEEMod® User's Guide. The analysis assumes that the Project's land uses accord to the 2019 Title 24 Standards, as that code cycle became effective on January 1, 2020. To calculate the total building natural gas input for the Project, Ramboll utilized default values provided in CalEEMod®, which are based on the Commercial End-Use Survey (CEUS).

Criteria air pollutant emissions from the natural gas consumption were estimated in CalEEMod® and can be viewed in **Appendix A**.

4.3.3 Mobile Sources

The criteria air pollutant emissions associated with on-road mobile sources are generated from automobiles and trucks traveling to and from the Project site. The emissions associated with on-road mobile sources include running, idling and starting exhaust emissions, evaporative emissions, tire wear, brake wear, and entrained road dust. Running emissions are dependent on VMT. Starting and evaporative emissions are associated with the number of starts or time between vehicle uses and the assumptions used in determining these values are described below. Ramboll calculated Project-specific mobile source CalEEMod® inputs using trip rates and trip length information based on analyses conducted by Fehr & Peers.

The analysis includes the reductions from adopted regulatory programs, which are accounted for within the EMFAC2021 model:

- AB 1493 ("the Pavley Standard") required CARB to adopt regulations by January 1, 2005, to reduce GHG emissions from non-commercial passenger vehicles and light-duty trucks of model year 2009 and thereafter. CalEEMod® and EMFAC2021 include emission reductions for non-commercial passenger vehicles and light-duty trucks of model year 2017 – 2025.
- The ACC program, introduced in 2012, combines the control of smog, soot causing pollutants and GHG emissions into a single coordinated package of requirements for model years 2015 through 2025. CalEEMod® and EMFAC2021 include reductions associated with this regulation that are represented in this analysis. While ACC focuses on the reduction of GHG emissions, it is anticipated that this regulation would also help reduce criteria air pollutants.
- The USEPA/NHTSA advanced fuel economy and GHG standards (Phase 1) were adopted in 2011 for medium and heavy-duty trucks for model years 2014-2018.[52] This Heavy-Duty National Program is intended to reduce fuel use and GHG emissions from medium- and heavy-duty vehicles, semi-trucks, pickup trucks and vans, and all types and sizes of work trucks and buses in between. CalEEMod® and EMFAC2021 include reductions associated with this regulation that are represented in this analysis.

[52] USEPA, Office of Transportation and Air Quality. 2011. Available at: https://www.gpo.gov/fdsys/pkg/FR-2011-09-15/pdf/2011-20740.pdf. Accessed: February 2025.

- The USEPA/NHTSA advanced fuel economy and GHG standards (Phase 2) were adopted in 2016 for medium- and heavy-duty trucks for model years 2018 and beyond.[53] The Phase 2 program includes technology-advancing standards that substantially reduce GHG and criteria pollutant emissions and fuel consumption resulting in an ambitious, yet achievable, program that will allow manufacturers to meet the applicable standards over time, at reasonable cost, through a mix of different technologies. The Phase 2 program's standards will be phased in, beginning with model year 2021 and culminating with model year 2027.[54]
- In June 2020, CARB released EMFAC off-model adjustment factors to account for the Final Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule.[55] The SAFE Rule has been incorporated into this analysis as it is incorporated in EMFAC2021.

CalEEMod® does not include reductions from regulatory programs not yet incorporated into EMFAC2021, including:

- The Advanced Clean Cars II (ACC II) was adopted in 2022 for light-duty passenger car, pickup truck, and SUV emissions starting in 2026 through 2035. The regulation would require an increasing number of zero emission vehicles and amends the low-emission vehicle regulations to increase stringency of emission standards for light-duty vehicles. EMFAC2021 does not include reductions associated with this regulation and thus reductions are not incorporated into this analysis.
- The Heavy-Duty Inspection and Maintenance (HD I/M) Program, also known as Clean Truck Check, was adopted in 2021. This regulation includes roadside emissions monitoring to screen for high-emitting vehicles, improved emissions testing procedures, periodic emissions data reporting, and compliance verification for freight contractors, seaports, and railyards. EMFAC2021 does not include reductions associated with this regulation and thus reductions are not incorporated into this analysis.
- The ACF regulation was adopted in 2023. The regulation requires qualifying fleets to reduce emissions through the phase in of zero emission vehicles and a requirement for truck manufacturers to only manufacture zero emission trucks starting in 2036. EMFAC2021 does not include reductions associated with this regulation and thus reductions are not incorporated into this analysis.

Inclusion of these additional regulation-driven reductions would reduce mobile impacts beyond what is presented in this analysis, thus mobile-related emissions presented in this report represent a conservative estimate of Project impacts.

---

[53] USEPA, Office of Transportation and Air Quality. 2016. Available at: https://www.gpo.gov/fdsys/pkg/FR-2016-10-25/pdf/2016-21203.pdf. Accessed: February 2025.

[54] The emission reductions attributable to Phase 2 of the regulations for medium- and heavy-duty trucks were not included in the Project's emissions inventory due to the difficulty in quantifying the reductions. Excluding these reductions results in a more conservative (i.e., higher) estimate of emissions for the Project.

[55] CARB. 2020. EMFAC Off-Model Adjustment Factors for Carbon Dioxide (CO_2) Emissions to Account for the SAFE Vehicles Rule Part One and the Final SAFE Rule. Available at: https://ww2.arb.ca.gov/sites/default/files/2023-02/emfac_off_model_co2_adjustment_factors_06262020-final.pdf. Accessed: January 2025.

4.3.3.1 Estimating Mobile Source Emissions

Mobile source emissions calculation requires trip rates and trip lengths for each different trip type in the Project (e.g., passenger vehicles and trucks).

The following sections describe the methodology to derive the necessary inputs.

Trip Generation Rates

The trip generation rates for the Project were based on Fehr & Peers data. The trip rates for the operational mobile trips are shown in **Table 4-6** and **Table 4-7**, respectively.

Trip Lengths

The Project trip lengths were primarily based on Fehr & Peers analysis and CalEEMod® defaults. The trip lengths for the operational mobile trips are shown in **Table 4-5, Table 4-6, Table B-2,** and **Table C-2**.

Fleet Mix

The fleet mixes derived based on CalEEMod® and EMFAC2021 were used to determine the mix of light-duty vehicles used for auto vehicles. The heavy-duty trucks were assumed to be heavy-heavy-duty trucks. The fleet mixes for the operational mobile trips are shown in Table B-1 and Table C-1 of Appendix B and Appendix C, respectively.

Transport Refrigeration Units

The Project includes Transport Refrigeration Units (TRUs), which are refrigeration systems powered by diesel internal combustion engines designed to refrigerate or heat perishable products that are transported in various containers, including truck vans, semi-truck trailers, shipping containers, and railcars. These TRUs account for approximately 5% of the warehouse delivery trucks. This analysis assumes that TRUs are plugged in at the loading dock. OFFROAD2021 has emission factors for TRUs, which were obtained for San Joaquin County in 2032 for the Initial Phase and 2050 for Full Buildout, as this was the latest year with available data from OFFROAD2021. Please note that this is a conservative approach since it is expected that emission factors would decrease over time due to regulations likely becoming more stringent in the future. CAP emissions from TRUs were estimated, as shown in **Table 4-13**, **Table 4-14**, and **Table 4-15**.

4.3.4 Operational Gasoline Transfer and Dispensing

Emissions from gasoline transfer and dispensing mainly occur during loading, breathing, refueling, spillage, and from hose permeation. Emission factors were obtained from SJVAPCD staff for EVR Phase I and EVR Phase II installed underground tank. These emissions which are permitted through the SJVAPCD are presented in **Table 4-10**.

4.3.5 Off-road Equipment Sources

To estimate CAP emissions from the combustion of fuel from warehouse off-road equipment, Ramboll utilized emission factors from OFFROAD2021. **Tables 4-11** identifies the emission factors and emissions used in this analysis to conservatively represent potential yard truck or forklift related emissions. Warehouse off-road equipment estimates were based on studies conducted by South Coast Air Quality Management District (South Coast AQMD) and the warehouse area associated with each development area.

4.3.6 Wastewater Treatment Plant Sources

To estimate CAP emissions from the combustion of fuel from the wastewater treatment facility diesel generator, Ramboll utilized emission factors from AP-42. **Table 4-12** identifies

the emission factors and emissions used in this analysis. Specifications for the wastewater treatment facility diesel generator were based on generators present at similar facilities.

4.3.7 Total Operational Emissions

Table 4-16 and **Table 4-17** summarize the Project's unmitigated annual and daily operational criteria air pollutant emissions, respectively. The annual criteria air pollutant emissions from operation of the Project are above the SJVAPCD significance thresholds for VOC, NOx, CO, PM_{10}, and $PM_{2.5}$ (**Table 4-16**). The daily criteria air pollutant emissions from operation of the Initial Phase of the Project are above the SJVAPCD significance thresholds for VOC (**Table 4-17**).

5. HEALTH RISK ASSESSMENT

This HRA evaluates the estimated cancer risk, non-cancer chronic hazard index (HIC), and acute hazard index (HIA) associated with construction and operation of the Project to address the SJVACPD Significance Thresholds.

5.1 Estimated Air Concentrations

To evaluate the health risks and concentration of air toxics in the surrounding area, SJVAPCD recommends estimating concentrations using air pollution dispersion modeling. The methodologies used to evaluate emissions for the Project are based on the most recent SJVAPCD Modeling and Health Risk Assessment Guidelines provided by SJVAPCD staff and the most recent Air Toxics Hot Spots Program Risk Assessment Guidelines from Office of Environmental Health Hazard Assessment (OEHHA).[56,57]

Off-site air concentrations of TACs from Project emissions are estimated using the American Meteorological Society/Environmental Protection Agency regulatory air dispersion model (AERMOD). Details on the inputs and methodology used in the dispersion modeling are discussed further in the sections below.

5.1.1 Toxic Air Contaminant Emissions

Ramboll evaluated excess lifetime cancer risk and HIC for off-site receptors from Project construction emissions. In particular, the construction HRA assesses the lifetime cancer risk and HIC associated with DPM emissions from off-road diesel construction equipment and hauling and vendor trucks during construction of the Project. Diesel exhaust, a complex mixture that includes hundreds of individual constituents, is identified by the State of California as a known carcinogen.[58,59] Under California regulatory guidelines, DPM is used as a surrogate measure of exposure for the mixture of chemicals that make up diesel exhaust as a whole. We conservatively assumed that all PM_{10} from diesel-fueled equipment and trucks is DPM. Gasoline vehicles were not included in the HRA per the direction from SJVAPCD.[60]

Additionally, Ramboll evaluated the lifetime cancer risk, HIC, and HIA analyses resulting from Project operation, which includes DPM emissions associated with warehouse delivery truck travel and idling, TRU usage, emergency generator usage, operational offroad equipment usage, and TAC emissions (e.g., benzene) from fuel transfer and dispensing. Passenger vehicles are assumed to be gasoline-fueled, hybrid, and electric vehicles. Therefore, TAC emissions associated with passenger vehicles are not included in the

[56] SJVAPCD. Health Risk Assessment Guidance Document for AB2588 and CEQA. Document provided by the SJVAPCD staff, Kyle Melching, via email dated August 4, 2021.

[57] Cal/EPA, OEHHA. 2015. Air Toxics Hot Spots Program Risk Assessment Guidelines. February. Available at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf. Accessed: February 2025.

[58] Cal/EPA, OEHHA. 1998. Findings of the Scientific Review Panel on The Report on Diesel Exhaust, as adopted at the Panel's April 22, 1998, meeting.

[59] Cal/EPA, OEHHA. 2018. OEHHA/ARB Consolidated Table of Approved Risk Assessment Health Values. May. Available at: https://www.arb.ca.gov/toxics/healthval/contable.pdf. Accessed: February 2025.

[60] Email communication with SJVAPCD staff, Diana Walker, on August 17, 2021.

operational HRA based on the direction from the District.[61] Detailed emission calculations for the initial and full buildout HRAs are presented in **Appendix E** and **Appendix F**.

5.1.2 Air Dispersion Modeling Methodology

Ramboll used AERMOD Version 24142 to estimate ambient air concentrations and evaluate the health risks of TACs at off-site receptors. [62,63] For each receptor location, the model generates air concentrations (or air dispersion factors if unit emissions [i.e., 1 g/s] were modeled) that result from emissions from multiple sources.

Air dispersion models such as AERMOD require a variety of inputs such as source parameters, meteorological data, topography information, and receptor parameters. When site-specific information was unknown, default parameter sets that are designed to produce conservative (i.e., overestimates of) air concentrations were used.

5.1.2.1 AERMOD

AERMOD has been approved for use by USEPA, CARB, and SJVAPCD, and incorporates multiple variables in its algorithms including:

- Meteorological data representative of surface and upper air conditions;
- Local terrain data to account for elevation changes; and
- Physical specification of emission sources including information such as:
  - Location;
  - Release height; and
  - Source dimensions.

Dispersion model averaging times are specified based on the averaging times of ambient AQ standards and the AQ significance thresholds established by the appropriate regulatory agencies. For the Project construction HRA, the PERIOD averaging time (average concentration for the 5-year meteorological data set) was used to calculate chronic (long-term) health effects. No acute non-cancer toxicity has been identified for DPM.[64] Thus, an acute HI from Project construction was not calculated.

For the Project operational HRA, the 1-hour averaging time was used to evaluate acute (short-term) effects and the PERIOD averaging time (average concentration for the 5-year meteorological data set) was used to calculate chronic (long-term) health effects.

---

61 Ibid.

62 USEPA. 2023. User's Guide for the AMS/EPA Regulatory Model (AERMOD). August. Available at: https://gaftp.epa.gov/Air/aqmg/SCRAM/models/preferred/aermod/aermod_userguide.pdf. Accessed: February 2025.

63 USEPA. 2017. Guideline on Air Quality Models (Revised). 40 Code of Federal Regulations, Part 51, Appendix W. Office of Air Quality Planning and Standards. January. Available at: https://www.epa.gov/scram/clean-air-act-permit-modeling-guidance. Accessed: February 2025.

64 CARB. 2018. *Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values*. August, https://www.arb.ca.gov/toxics/healthval/contable.pdf. Accessed: February 2025.

The following other options in AERMOD were selected for use in this analysis. The regulatory default option was selected based the SJVAPCD modeling recommendations,[65] which established the settings for variables such as rural modeling dispersion option, receptor heights, off-site receptor grid spacing, and emissions source parameters. The air dispersion model was run using a unit emission factor approach. The model output based on a unit emission factor approach was incorporated into a post-processing step with the calculated emission rates to estimate the air concentrations at each receptor.

5.1.2.2 Source Characterization

For the Project construction HRA, area sources covering the planned construction areas were used to represent DPM exhaust emissions from the off-road equipment, and line-volume sources were used to represent haul trucks and vendor vehicles traveling on the roadway links within or near the site boundary. Area sources[66] are used to characterize off-road construction equipment within each development area with a release height of 5 meters and an initial vertical dimension of 1.4 m. Line-volume sources were used to model haul and vendor trucks traveling on the roadway links for Initial Phase and Buildout construction. Modeled construction emission source locations are shown in **Figure 1**.[67]

For the Project operational analysis, DPM emissions from mobile sources traveling on the roadway links within or near the site boundary were modeled as line-volume sources. Point sources were used to represent on-site idling for warehouse delivery trucks and TRU emissions when in-use by warehouse delivery trucks at the warehouse loading docks. The fueling facility (FF) emission sources were modeled as point sources (loading and breathing emissions) and volume sources (refueling, hose permeation, and spillage). The emergency generator for the on-site Wastewater Treatment Plant (WWTP) was modeled as a point source. Modeled operational emission source locations are shown in **Figure 2**. Detailed source parameters and their bases were provided in **Appendix D**.

5.1.2.3 Meteorology

SJVAPCD provides AERMOD model-ready meteorological data sets for use in AQ and risk impact analyses in the SJVAB. SJVAPCD's Tracy, CA (Station ID 99008) meteorological data set was selected based on that station's close geographic proximity to the Project. The SJVAPCD meteorological data set for January 1, 2004 to December 31, 2008 was used for the analysis.[68] The meteorological station location is presented in **Figure 4**.

5.1.2.4 Land Use

The land uses surrounding the Project alignment are primarily a mix of residential and commercial areas. AERMOD offers the option of using either rural or urban dispersion

---

[65] SJVAPCD. 2022. Guidance for Air Dispersion Modeling. Available at: https://www.valleyair.org/busind/pto/tox_resources/Modeling_Guidance.pdf. Accessed: February 2025.

[66] The modeled area is an approximate representation of the area where construction activity may occur. Slight changes to the exact boundary of the construction activity area are not anticipated to meaningfully alter the analysis findings.

[67] Figure 1 shows all modeled construction roadways within and surrounding the Project. For the Initial Phase, a subset of these construction roadways were modeled based on anticipated travel to the Initial Phase construction areas. These routes were assumed to include those from Chrisman Road to Routes 132 and/or 580.

[68] SJVAPCD. Meteorological Data. Available at: https://ww2.valleyair.org/permitting/air-dispersion-modeling/meteorological-data/. Accessed: February 2025.

characteristics. Selection of rural or urban dispersion characteristics depends on the predominant land use within a three-kilometer radius of the site. SJVAPCD recommends that if 50% or more of the land use types within the three-kilometer radius is classified as heavy industrial, light/moderate industrial, and/or commercial, then urban dispersion characteristics must be chosen for all Project emissions sources. Otherwise, the rural dispersion characteristics must be chosen.[69] Ramboll determined that less than 50% of the land use within the three-kilometer radius is classified as the urban land use types, and rural dispersion characteristics were therefore used for the Project.

Data specifying terrain elevations of sources and receptors are imported into the model. Elevations are based on National Elevation Datasets (NEDs) and consist of an array of regularly spaced points on a horizontal plane for which an elevation is specified. NED 1/3-arc second data used in this analysis were obtained from the United States Geologic Survey (USGS).[70]

5.1.2.5 Emission Rates

Emissions were modeled using the χ/Q ("chi over q") method, such that each source group has a unit emission rate (i.e., 1 gram per second [g/s]), and the model estimates dispersion factors (with units of [µg/m^3]/[g/s]). Actual emissions were multiplied by the dispersion factors to obtain concentrations.

For the Project construction analysis, emissions from all modeled construction sources including off-road construction equipment, off-site vendor vehicle travel, and off-site hauling vehicle travel – were assumed to occur between the hours of 7:00 AM and 7:00 PM and 6 days per week for the Project construction duration.

For the Project operational analysis, all sources, including warehouse trucks, transport refrigeration units, emergency generator, operational offroad equipment, and the fueling facility, are conservatively modeled 24 hours per day, 7 days per week.

Modeled construction and operational emissions for the Initial Phase and Buildout scenarios can be referenced in **Appendix E** and **Appendix F**, respectively.

5.1.2.6 Receptors

In order to evaluate health impacts to off-site receptors, nearby sensitive receptor populations were identified. SJVAPCD identifies the following as off-site sensitive receptors: schools, daycare facilities, hospitals, and adult/elderly care facilities.[71] The following receptors are included in the AERMOD modeling per SJVAPCD guidance:[72,73]

- 25 m x 25 m from the site boundary to 100 m from the site boundary;
- 50 m x 50 m from 100 m to 250 m from the site boundary;

[69] SJVAPCD. 2022. Guidance for Air Dispersion Modeling. Available at: https://www.valleyair.org/busind/pto/tox_resources/Modeling_Guidance.pdf. Accessed: February 2025.

[70] USGS National Elevation Dataset. Available at: https://www.mrlc.gov/tools. Accessed: February 2025.

[71] SJVAPCD. 2022. Guidance for Air Dispersion Modeling. Available at: https://www.valleyair.org/busind/pto/tox_resources/Modeling_Guidance.pdf. Accessed: February 2025.

[72] Ibid.

[73] SJVAPCD. Draft HRA Guidance. Document provided by the SJVAPCD staff, Kyle Melching, via email dated January 16, 2025.

- 100 m x 100 m from 250 m to 2,500 m from the site boundary; and
- 20 m spacing fenceline receptors at nearby properties

No sensitive receptor locations were identified within a 2,000 meter radius of the modeled site boundary.

The locations of all receptors are illustrated on **Figure 3**. Receptor heights were assumed to be ground-level based on SJVAPCD guidance.[74]

5.2 Risk Characterization Methods

The Project construction and operational HRAs was conducted in accordance with SJVAPCD risk assessment guidelines.[75] These guidelines are based on OEHHA's 2015 Air Toxics Hot Spots Program Risk Assessment Guidelines.[76] The 2015 OEHHA Guidelines include various updates that are protective of human health, particularly related to estimating potential risks in infants, children, and other sensitive receptors. Lifetime cancer risk, HIC, and HIA were calculated at each receptor. Fueling facility TAC emissions and air dispersion results were input into HARP, version 25003, the OEHHA-recommended program for completing an HRA. Health risks associated with other sources were calculated outside of HARP using equivalent methodology. Specific steps taken to complete the HRA, such as exposure assessment, dose-response, and risk characterization are described in more detail below.

5.3 Exposure Assessment

To calculate health impacts for comparison to SJVAPCD thresholds, this report assesses risk to residential and worker receptors.

Exposure Assumptions: As presented in **Table 5-1**, the exposure duration, pathways, exposure analysis methods (e.g., OEHHA 95th High End Method) evaluated in the HRA used to estimate excess lifetime cancer risks for exposed populations were selected in accordance with risk assessment guidelines from OEHHA and SJVAPCD.[77,78] A deposition rate of 0.05 m/s was used for multipathway analysis. For the construction HRA, it was conservatively assumed that exposure begins at birth (age 0), rather than at the third trimester due to higher overall intake of DPM.

Calculation of Intake: The dose estimated for each exposure pathway is a function of the concentration of a chemical and the intake of that chemical. The intake factor for inhalation, IF_{inh}, can be calculated as follows:

[74] SJVAPCD. 2022. Guidance for Air Dispersion Modeling. Available at: https://www.valleyair.org/busind/pto/tox_resources/Modeling_Guidance.pdf. Accessed: February 2025.

[75] SJVAPCD. Health Risk Assessment Guidance Document for AB2588 and CEQA. Document provided by the SJVAPCD staff, Kyle Melching, via email dated August 4, 2021.

[76] Cal/EPA, OEHHA. 2015. Air Toxics Hot Spots Program Risk Assessment Guidelines. February. Available at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf. Accessed: February 2025.

[77] Cal/EPA, OEHHA. 2015. Air Toxics Hot Spots Program Risk Assessment Guidelines. February. Available at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf. Accessed: February 2025.

[78] SJVAPCD. 2022. Guidance for Air Dispersion Modeling. Available at: https://www.valleyair.org/busind/pto/tox_resources/Modeling_Guidance.pdf. Accessed: February 2025.

$$IF_{inh} = \frac{DBR * FAH * EF * ED * CF}{AT}$$

Where:

IF_{inh} = Intake Factor for Inhalation (m^3/kg-day)

DBR = Daily Breathing Rate (L/kg-day)

FAH = Frequency of time at Home (unitless)

EF = Exposure Frequency (days/year)

ED = Exposure Duration (years)

CF = Conversion Factor, 0.001 (m^3/L)

AT = Averaging Time (days)

The chemical intake or dose is estimated by multiplying the inhalation intake factor, IF_{inh}, by the chemical concentration in air, C_i. When coupled with the chemical concentration, this calculation is mathematically equivalent to the dose algorithm given in the current OEHHA Hot Spots guidance.[79]

Four cancer exposure scenarios were evaluated to identify the most conservative excess lifetime cancer risk. Exposure scenario 1 begins at the start of the Initial Phase operation and continues throughout the full exposure period. Scenario 2 begins at the start of Initial Phase construction and continues through Initial Phase operation throughout the full exposure period. Scenario 3 begins at the start of full Buildout operation and continues throughout the full exposure period. Scenario 4 begins at the start of Initial Phase construction, continues through all construction phases, and extends through the full Buildout operations. Intake factors calculated for each exposure scenario are presented in **Table 5-2a** through **Table 5-2d**.

5.3.1 Age Sensitivity Factors

As a conservative and health-protective measure, the estimated excess lifetime cancer risks for a resident will be adjusted using age sensitivity factors (ASFs) that account for an "anticipated special sensitivity to carcinogens" of infants and children as recommended in the OEHHA 2009 Technical Support Document and OEHHA 2015 Air Toxics Hot Spots Program Risk Assessment Guidelines.[80,81] Cancer risk estimates were weighted by a factor of 10 for exposures that occur from the third trimester of pregnancy to two years of age and by a factor of 3 for exposures that occur from two years through 15 years of age. No weighting factor (i.e., an ASF of one, which is equivalent to no adjustment) is applied to ages 16 and older.

---

[79] Cal/EPA, OEHHA. 2015. Air Toxics Hot Spots Program Risk Assessment Guidelines. Appendix D. February. Available at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf. Accessed: February 2025.

[80] Cal/EPA, OEHHA. 2009. Technical Support Document for Cancer Potency Factors: Methodologies for Derivation, Listing of Available Values, and Adjustment to Allow for Early Life Stage Exposures. May. Available online at: https://oehha.ca.gov/air/crnr/technical-support-document-cancer-potency-factors-2009. Accessed: February 2025.

[81] Cal/EPA, OEHHA. 2015. Air Toxics Hot Spots Program Risk Assessment Guidelines. Appendix D: February. Available at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf. Accessed: February 2025.

5.3.2 Toxicity Assessment

The toxicity assessment characterizes the relationship between the magnitude of exposure and the nature and magnitude of adverse health effects that may result from such exposure. For purposes of calculating exposure criteria to be used in risk assessments, adverse health effects are classified into two broad categories – cancer and non-cancer endpoints. Toxicity values that are used to estimate the likelihood of adverse effects occurring in humans at different exposure levels are identified as part of the toxicity assessment component of a risk assessment. Toxicity factors in the latest HARP Health Database,[82] integrated into the HARP program, were used in this HRA. The HARP program contains the most up-to-date listing of available inhalation and oral cancer potency factors (CPFs), chronic inhalation and oral RELs, and acute RELs approved by California Environmental Protection Agency (Cal/EPA) for use in health risk assessments.

5.4 Risk Characterization

This section describes the methods used to estimate potential adverse effects associated with off-site exposures to chemicals emitted from the Project. The results of the HRA are presented in Section 5.5.

5.4.1 Estimation of Cancer Risks

Excess lifetime cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens. The estimated risk is expressed as a unitless probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific CPF. For carcinogenic chemicals, both inhalation and non-inhalation pathways must be considered, using the CPFs in HARP. Total risk is the sum of risks attributable to each chemical considered by each pathway.

The equation used to calculate the potential excess lifetime cancer risk for the inhalation pathway is as follows:

$$Riskinh = Ci \; x \; CF \; x \; IFinh \; x \; CPFi \; x \; ASF$$

Where:

Riskinh	=	Cancer risk; the incremental probability of an individual developing cancer as a result of inhalation exposure to a particular potential carcinogen (unitless)
Ci	=	Annual average air concentration for chemical (µg/m^3)
CF	=	Conversion factor (mg/µg)
IFinh	=	Intake factor for inhalation (m^3/kg-day)
CPFi	=	Cancer potency factor for chemical (mg chemical/kg body weight-day)$^{-1}$
ASF	=	Age sensitivity factor (unitless)

[82] The latest HARP Health Database is available from ARB here: https://www.arb.ca.gov/toxics/harp/harp.htm. Accessed: February 2025.

A similar equation, using oral dose and the oral CPF, is used to calculate risks from oral exposure. Oral cancer risks include dermal absorption, incidental ingestion of soil, and mother's milk. HARP default exposure parameters were used, as described above.

5.4.1.1 Estimation of Chronic Non-Cancer Hazard Indices

The potential for exposure to result in adverse chronic non-cancer effects is evaluated by comparing the estimated annual average air concentration (which is equivalent to the average daily air concentration) to the non-cancer chronic reference exposure level (cREL) for each chemical. When calculated for a single chemical, the comparison yields a ratio termed a hazard quotient (HQ). To evaluate the potential for adverse chronic non-cancer health effects from simultaneous exposure to multiple chemicals, the HQs for all chemicals are summed, yielding a HI:

$$HQi = Ci / cREL$$

$$HI = \sum HQ$$

Where:

HI	=	Hazard index
HQi	=	Chronic hazard quotient for chemical i
Ci	=	Annual average concentration of chemical i (µg/m^3)
cRELi	=	Chronic non-cancer reference exposure level for chemical i (µg/m^3)

Estimation of non-inhalation chronic health effects uses a similar method, but the annual average air concentration is replaced by the dose calculated by HARP using the exposure parameters mentioned above, and the appropriate non-inhalation REL is used.

Estimation of an HI for each target organ (also referred to as a segregation of HI by target organ analysis) is recommended by OEHHA because the non-cancer effects of chemicals with different target organs are generally not additive.

5.5 Health Risk Results

Using the health risk assessment parameters detailed in **Table 5-1** through **Table 5-3** for the construction HRA and operational HRA, the potential health impacts during the construction and operation of the Project were estimated at the maximally impacted residential, worker, and sensitive receptors. The cancer risk, HIC, and HIA results of the construction and operational health risk assessment for initial buildout and full buildout are presented in **Table 5-4** and **Table 5-5,** respectively. Health risk results for all receptors can be referenced in **Appendix G** and **H**.

6. CO HOTSPOTS

Mobile source impacts occur on two basic scales of motion. Regionally, Project-related travel will add to regional trip generation and increase the VMT within the local airshed and the SJVAB. Locally, Project traffic will be added to the City's roadway system. There is a potential for the formation of microscale CO "hotspots" in the area immediately around points of congested traffic. Because of continued improvement in mobile emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the basin is steadily decreasing.

Projects contributing to adverse traffic impacts may result in the formation of CO hotspots. To verify that the Project would not cause or contribute to a violation of the CO standard, a screening evaluation of the potential for CO hotspots was conducted. The Pacific Gateway Local Transportation Analysis (LTA) prepared by Fehr & Peers evaluated the level of service (LOS) (i.e., increased congestion) impacts at intersections affected by the Project. The potential for CO hotspots was evaluated based on the results of the traffic analysis.

6.1 Regulatory Background

SJVAPCD's Guidance for Assessing and Mitigating Air Quality Impacts indicates that the project would result in no potential to create a violation of the CO standard if neither of the following SJVAPCD screening criteria are met at any of the intersections affected by the project:[83]

- A traffic study for the project indicates that the LOS on one or more streets or at one or more intersections in the project vicinity will be reduced to LOS E or F.
- A traffic study indicates that the project will substantially worsen an already existing LOS F on one or more streets or at more or more intersections in the project vicinity.

6.2 LTA Findings

The LTA[84] prepared for this project evaluated the LOS impacts at 21 existing study intersections that may be impacted by the Project. Fehr & Peers evaluated five scenarios, which are summarized below:

- Existing Conditions (2024),
- Existing Plus Initial Phase Conditions,
- Existing Plus Project Buildout Conditions,
- Cumulative No Project Conditions, and
- Cumulative Plus Project Buildout Conditions.

Based on the analysis performed by Fehr & Peers, the LOS impacts show that several intersections have the potential to reduce to LOS E or F with the Project in the Existing Plus Initial Phase Conditions, Existing Plus Project Buildout Conditions, and Cumulative Plus Project Conditions.

[83] SJVAPCD. 2015. Guidance for Assessing and Mitigating Air Quality Impacts. Available at: http://www.valleyair.org/transportation/GAMAQI.pdf. Accessed: February 2025.

[84] Fehr & Peers. 2024. Draft Local Transportation Analysis for Pacific Gateway.

Section 6 of the LTA describes recommended improvements to address deficient conditions in the Existing Plus Initial Phase and Existing Plus Project Buildout conditions. Similarly, Section 7 of the LTA describes recommended improvements to address deficient conditions in the Cumulative Plus Proposed Project conditions. Implementation of these recommendations are expected to restore operations at all study intersections to acceptable levels with the exception of the Chrisman Road/Eleventh Street intersection, which would continue to operate at LOS F in the Cumulative Plus Project Buildout Condition. Note that the recommended roadway and intersection improvements would be triggered by the full buildout of the proposed project in the Off-Site Improvements Study Area. The timeline of these improvements is not definitive at this time due to a variety of factors, with the main factor being that many of the proposed improvements are under the jurisdiction of entities beyond San Joaquin County and would require other agency approval. Thus, an assessment of all existing intersections operating at LOS E or F was conducted below.

Using a simplified approach, we can utilize the analysis prepared for CO attainment in the SCAB by the SCAQMD to assist in evaluating the potential for CO exceedances at the Chrisman Road/Eleventh Street intersection. CO attainment was thoroughly analyzed as part of the SCAQMD's 2003 Air Quality Management Plan (2003 AQMP) and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan).[85] As discussed in the 1992 CO Plan, peak CO concentrations in the SCAB are due to unusual meteorological and topographical conditions, and not due to the impact of particular intersections. Considering the region's unique meteorological conditions and the increasingly stringent CO emissions standards, CO modeling was performed as part of 1992 CO Plan and subsequent plan updates and air quality management plans.

In the 1992 CO Plan, a CO hot spot analysis was conducted for four busy intersections in Los Angeles at the peak morning and afternoon time periods. The intersections evaluated included: Long Beach Blvd. and Imperial Highway (Lynwood); Wilshire Blvd. and Veteran Ave. (Westwood); Sunset Blvd. and Highland Ave. (Hollywood); and La Cienega Blvd. and Century Blvd. (Inglewood). These analyses did not predict a violation of CO standards. The busiest intersection evaluated was that at Wilshire Blvd. and Veteran Ave., which has a daily traffic volume of approximately 100,000 vehicles per day. The 2003 AQMP estimated that the 1-hour concentration for this intersection was 4.6 ppm, which indicates that the most stringent 1-hour CO standard (20.0 ppm) would likely not be exceeded until the daily traffic at the intersection exceeded more than 400,000 vehicles per day.[86]

An analysis of the Project's intersections shows that the highest peak hour traffic volume is anticipated to occur at the Corral Hollow Road/Linne Road intersection during Cumulative Plus Project Buildout Conditions, resulting in an hourly peak volume of 5,330 vehicles/hour. While it is not expected that this traffic volume would stay elevated for 24 hours, if we scaled this up conservatively utilizing 24 hours/day, this leads us to a daily traffic volume of approximately 127,920 vehicles at the intersection of Corral Hollow Road/Linne Road, which is well below the daily traffic volumes that would be expected to generate CO exceedances as evaluated in the 2003 AQMP. All other intersections are expected to operate at lower peak

[85] SCAQMD. 2005. Federal Attainment Plan for Carbon Monoxide. Carbon Monoxide Redesignation Request and Maintenance Plan. February. Available at: http://www.arb.ca.gov/planning/sip/sccosip05/sccosip_redesig_mplan.pdf. Accessed: February 2025.

[86] Based on the ratio of the CO standard (20.0 ppm) and the modeled value (4.6 ppm).

hourly traffic volumes and are therefore also expected to be well below the daily traffic volumes that could generate CO exceedances as evaluated in the 2003 AQMP.

7. MITIGATION MEASURES

The following mitigation measures would reduce emissions associated with the proposed project.

7.1 Description of Mitigation Measures

As described in **Section 1.3** of this report, the Project will include a number of mitigation measures intended to reduce project impacts. Quantification of criteria air pollutant emission reductions associated with these measures are described as follows.

7.1.1 MM-AQ-1 (ZE Equipment)

The project will utilize various zero emission equipment. This includes forklift equipment and yard mules used at all industrial warehouse buildings greater than 300,000 square feet (22,993,500 square feet total). As described in **Table 4-10**, off-road equipment emissions following implementation of this measure were assessed based on the forklift and yard mule usage at warehouses less than 300,000 square feet.

Additionally, all landscape equipment used to maintain individual building projects (24,675,000 square feet total) and Pacific Gateway master landscaping, parks and open space will be required to be zero emission. This aligns with the use of mitigation measure LL-1 in CalEEMod®.

7.1.2 MM-AQ-2 (Low-VOC Architectural Coatings)

The Project will utilize architectural coatings with a VOC content of a maximum of 15 g/L at all industrial warehouse buildings. As described in **Table 4-3** and **Table 4-8**, an adjusted architectural coating VOC content CalEEMod® input was calculated for construction and operational architectural coatings. This adjusted factor assumes that low-VOC content architectural coatings are applied to industrial warehouse land uses and non-industrial warehouse land uses will utilize standard architectural coatings represented by CalEEmod® defaults.

7.1.3 MM-AQ-3 (Tier 4 Construction Equipment)

The Project will utilize off-road diesel-powered Tier 4 construction equipment for all construction activities, where feasible. For the purposes of this analysis, it was assumed that all equipment greater than 50 HP would be Tier 4.

8. PROJECT INVENTORY IN CONTEXT

This section assesses the significance of the Project's emissions for purposes of CEQA.

8.1 Threshold 1

Would the Project conflict with or obstruct implementation of the applicable air quality plan?

CARB has developed a three-step approach to determine project conformity with the applicable Air Quality Attainment Plan (AQAP):

1. *Determination that an AQAP is being implemented in the area where the project is being proposed.* SJVAPCD has implemented the current, modified 2016 8-hour AQAP as approved by CARB and approved by USEPA for the 2008 8-hour O3 standard.
2. *The proposed project must be consistent with the growth assumptions of the applicable AQAP.* The San Joaquin County 2050 growth Projections[87] for the 2016 Public Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS)[88] provides for future employment/population factors.
3. *The project must contain in its design all reasonably available and feasible air quality control measures.* The Project incorporates various policy and rule-required implementation measures that would reduce related emissions.

As discussed in **Section 2.3**, SJVAPCD adopted the 2016 Plan for the 2008 8-hour Ozone Standard in June 2016, which has been approved by CARB and the US EPA.SJVAPCD's air quality plans rely on information from CARB and the SJCOG to project future emissions and determine the strategies necessary for the reduction of emissions through regulatory controls. CARB mobile source emission projections and SJCOG growth projections are based on population, vehicle trends, and land use plans developed by the cities and San Joaquin County as part of the development of their general plans. As such, projects that propose development that is consistent with the growth anticipated by the general plan(s) would be consistent with the growth projections of the SIP because associated emissions of criteria pollutants in a designated non-attainment area would be accounted for in these air quality plans. If a project proposes development that is greater than anticipated in SJCOG's growth projections, the project would be considered to conflict with the regional air quality attainment plans and SIP and could potentially result in a significant air quality impact.

The County's General Plan currently designates the project site as General Agriculture (A/G), Resource Conservation (OS/RC), and Rural Service Commercial (C/RS). The project site is zoned by the County as AG-40-acres (AG-40) and Rural Service Commercial (C-RS).

The proposed project would require approval of several entitlements, including a General Plan Map Amendment from 1,556.61 acres of A/G, 19 acres of OS/RC, and 1.09 acres of C/RS to 18.5 acres of General Commercial; 4.3 acres of Industrial Park; 1,375.8 acres of Limited Industrial; 76.3 acres of university campus, and 61.8 acres of Public Facilities for

[87] San Joaquin Council of Governments, 2020. San Joaquin County Demographic and Employment Forecast. Available at: https://www.sjcog.org/DocumentCenter/View/6007/Demographic-and-Employment-Forecast-2020. Accessed: February 2025.

[88] San Joaquin Council of Governments, 2022. San Joaquin 2022 Regional Transportation Plan and Sustainable Communities Strategy. Available at: https://www.sjcog.org/608/Adopted-2022-RTPSCS-Plan. Accessed: February 2025.

open space and parks; Zone Reclassification from AG-40 and C-RS to ensure conformance with the amended General Plan land use designations; and adoption of the Pacific Gateway Specific Plan.

Given that the proposed project would require a General Plan Amendment, the proposed project has not been anticipated by the County in the General Plan. Thus, development of the project would not have been included in the growth assumptions of the SIP. Because the SIP takes into account growth assumptions to determine when and how air quality standards could be achieved, emissions that are not accounted for in the SIP have the potential to conflict with the attainment goals set forth in the SIP.

In addition, as discussed in further detail within this chapter, the proposed project incorporates various policy and rule-required implementation measures, as well as project-specific mitigation measures, that would reduce related emissions. However, even with inclusion of such measures, operational emissions associated with the Initial Phase and Specific Plan Buildout would exceed the SJVAPCD's thresholds of significance. Consequently, implementation of the proposed project could conflict with or obstruct implementation of the applicable air quality plan, and a **significant and unavoidable** impact could occur.

8.2 Threshold 2

Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard?

Per **Table 2-2**, the Project region is a designated non-attainment area for ozone (the State 1-hour O_3; federal and State 8-hour O_3) and particulate matter (State PM_{10}; federal and State $PM_{2.5}$). Ozone precursors include VOC and NO_X. As discussed in **Section 4**, estimated emissions for the Project show that the annual emissions for construction (**Table 4-3** and **Table 4-4**) and on-site operations (**Table 4-12** and **Table 4-13**) would be above the SJVAPCD significance thresholds for some criteria pollutants.

Table 8-1 and **Table 8-2** summarize the Project's mitigated annual and daily construction criteria air pollutant emissions, respectively. With the implementation of mitigation measures, the annual criteria air pollutant emissions from construction of the Project are below all SJVAPCD significance thresholds (**Table 8-1**). The daily criteria air pollutant emissions from construction of the Initial Phase of the Project are below the SJVAPCD significance thresholds (**Table 8-2**).

Table 8-3 and **Table 8-4** summarize the Project's mitigated annual and daily operational criteria air pollutant emissions, respectively. With the implementation of mitigation measures and Rule 9510 reductions for NO_X and PM_{10}, the annual criteria air pollutant emissions from operation of the Project remain above the SJVAPCD significance thresholds for **VOC, NOx, CO, PM10, and PM2.5** (**Table 8-3**). The daily criteria air pollutant emissions from operation of the Initial Phase of the Project are all below the SJVAPCD significance thresholds (**Table 8-4**). Therefore, even with implementation of the following mitigation measures, the impact would remain **significant and unavoidable**.

8.3 Threshold 3

Would the Project expose sensitive receptors to substantial pollutant concentrations?

8.3.1 Health Risk Thresholds

The construction-related and operational health risk assessment results were used to assess if the Project would expose off-site receptors to substantial pollutant concentrations. As discussed in **Section 5**, the construction analysis evaluates the health risk resulting from off-road equipment DPM emissions during construction of the Project, as well as the DPM emissions from hauling and vendor trucks. The operational analysis evaluates the health risk resulting from DPM emissions from warehouse truck travel and idling, TRU travel and idling, emergency generator usage, operational offroad sources, as well as TAC emissions from fuel transfer and dispensing.

The results of the analyses show that the lifetime cancer risk, HIC, and acute hazard index of the Project-related Initial Phase construction and operational emissions are less than the SJVAPCD significance thresholds (**Table 5-4**). The results of the analyses show that the lifetime cancer risk, HIC, and acute hazard index of the cumulative construction and operational Buildout are below SJVAPCD significance thresholds (**Table 5-5**). The lifetime HIC and acute hazard index of the full operational Buildout emissions are below SJVAPCD thresholds, however the cancer risk was found to be above the SJVAPCD significance threshold (**Table 5-5**). Thus, the impact of the Initial Phase construction, Initial Phase operation, and Buildout construction would be **less than significant** and the impact of the Buildout operation would be considered **significant**.

8.3.2 Health Risk Thresholds with Potential Mitigation

As identified in **Table 5-5** and shown in **Figure 3**, an analysis of the Buildout operational emissions shows a significant cancer risk impact at the maximally impacted residential receptor.

The installation and maintenance of air filtration systems, such as those which utilize high efficiency particulate air (HEPA) filters, can reduce pollutant exposure and associated risk impacts. This mitigation measure is recommended by various guidance documents as an approach to addressing operational impacts, including the Attorney General's Warehouse Projects: Best Practices and Mitigation Measures to Comply with the California Environmental Quality Act.[89]

If the project commits to retrofitting the heating, ventilation, and air conditioning (HVAC) systems at significant residential receptor locations to utilize HEPA filters, particulate matter concentrations at these residential receptors would be reduced by 99.97%.[90] It can be assumed that a reduction in DPM-related risk approximately equal to the filtration efficiency would occur, which would result in the bracketed revised risks shown in **Table 5-5**. If this potential mitigation measure were implemented, risk at all receptors would be below the SJVAPCD significance threshold. However, this potential mitigation measure is not enforceable and thus cannot be assessed as part of this significance determination. Thus, the impact of the Buildout operation would continue to be considered **significant**.

---

[89] California Department of Justice. 2022. Warehouse Projects: Best Practices and Mitigation Measures to Comply with the California Environmental Quality Act. Available at: https://oag.ca.gov/sites/all/files/agweb/pdfs/environment/warehouse-best-practices.pdf. Accessed: February 2025.

[90] United States Environmental Protection Agency. 2024. What is MERV Rating? Available at: https://www.epa.gov/indoor-air-quality-iaq/what-merv-rating. Accessed: February 2025.

8.3.3 CO Hotspots

Per **Section 6**, the Project would not result in a CO "hot spot" and a CO "hot spots" analysis is not needed to determine whether the change in the LOS of an intersection in the Project area would have the potential to result in exceedances of the CAAQS or NAAQS or expose sensitive receptors to substantial pollutant concentrations.

8.3.4 Health Effects of Criteria Air Pollutants

Significant project criteria air pollutant emissions could potentially lead to increased concentrations of pollutants in the atmosphere and could result in health effects due to the increased emissions. The following section describes the mechanism by which project-related emissions could increase the concentrations of criteria air pollutants in the atmosphere and qualitatively describes the potential health effects.

The ambient concentration of criteria pollutants is a result of complex atmospheric chemistry and emissions of pollutant precursors and direct emissions. NO_X and VOC are precursors to ozone and, and NOx, VOC, and SO_X are precursors to secondarily formed $PM_{2.5}$. Chemical and physical processes transform some of these precursors to the criteria pollutant concentrations in the atmosphere. The calculation of ozone and secondary $PM_{2.5}$ concentrations resulting from precursors is dependent on the spatial location of the criteria air pollutant emissions and how the emissions are dispersed in the atmosphere. Source apportionment, or the practice of deriving information about pollution sources and the amount they contribute to ambient air pollution levels, is also influenced by the meteorological conditions of the project location.

There are several variables which determine whether emissions of air pollutants from the project move and disperse in the atmosphere in a manner in which concentrations of criteria pollutants would become elevated and result in health impacts. A specific mass of precursor emissions does not equate to an equivalent concentration of the resultant ozone or secondary particulate matter in that area. The resulting concentration of criteria pollutants is influenced by sunlight, other pollutants in the air, complex reactions, and transport. The dispersion is based on the meteorological conditions of the source (the project), local terrain (elevation profile), and the height and size of the source. The surrounding land use, wind direction and wind speed will influence the location where the project emissions disperse. Meteorology, the presence of sunlight, and other complex chemical factors all combine to determine the ultimate concentration and location of ozone or PM formed by emissions of precursors.

The resulting health effects are further based on a complex relationship of multiple variables and factors. The calculated health effects are dependent upon the concentrations of pollutants to which the receptors are exposed, the number and type of exposure pathways for a receptor, and the intake parameters for a receptor, which vary based upon age and sensitivity (i.e. presence of pre-existing conditions). Health effects would be more likely for individuals with greater susceptibility to exposures, and also dependent on the location of receptors relative to the project site impacts whether receptors are exposed to project-related pollutants.

The following is a summary of the health effects from ozone, $PM_{2.5}$ and PM_{10}. Meteorology and terrain play major roles in ozone formation, and ideal conditions occur on days with low wind speeds or stagnant air, warm temperatures, and cloudless skies. Short-term exposures (lasting for a few hours) to ozone at levels typically observed in California can result in

health effects. When inhaled, $PM_{2.5}$ and PM_{10} can penetrate the human respiratory system's natural defenses and damage the respiratory tract. $PM_{2.5}$ and PM_{10} can increase the number and severity of asthma attacks and cause or aggravate bronchitis and other lung diseases. Whereas PM_{10} tends to collect in the upper portion of the respiratory system, $PM_{2.5}$ is so tiny that it can penetrate deeper into the lungs and damage lung tissues. Health effects of $PM_{2.5}$ include mortality (all causes), hospital admissions (respiratory, asthma, cardiovascular), emergency room visits (asthma), and acute myocardial infarction (non-fatal). For ozone, the endpoints are mortality, emergency room visits (respiratory) and hospital admissions (respiratory).

The SJVAPCD's Guidance for Assessing and Mitigating Air Quality Impacts establishes thresholds which are based upon scientific data that demonstrate the level of criteria air pollutant emissions that can be accommodated in the San Joaquin Valley without affecting the attainment of the CAAQS and NAAQS. As discussed in **Section 2.3.1**, the CAAQS and NAAQS are set to protect the public health and welfare from the effects of air pollution. Thus, the analyses relative to the SJVAPCD significance thresholds are an indicator for the potential health effects. The District has also adopted health risk thresholds that provide a threshold regarding the potential health effects for air pollutants. The GAMAQI states that "the District has established thresholds of significance for TACs that are extremely conservative and protective of health impacts on sensitive receptors." The CO hotspots analysis further evaluates for health effects based on the CAAQS for CO. The evaluation of the air emissions, which is a measure of potential health effects, are highlighted in **Section 7.1** through **7.3.2**.

8.4 Threshold 4

Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

8.4.1 Odors

According to SJVAPCD's *Guidance for Assessing and Mitigating Air Quality Impacts*, each project that will generate odors should be evaluated to determine the likelihood that it would result in nuisance odors. SJVAPCD recognizes the subjective nature of odor impacts and recommends that each project should be assessed on a "case-by-case" basis, taking into consideration all available pertinent information to qualitatively determine if a significant impact is likely to occur, such as information regarding the characteristics of the buffer zone between the sensitive receptor(s) and the odor source(s), local meteorological conditions, and the nature of the odor source. To facilitate the evaluation of odors, SJVAPCD has produced a list of common types of facilities, along with the distance from the source within which odors could possibly be significant. The list provides a qualitative assessment of a project's potential to adversely affect off-site receptors. The table below presents the list of common facilities and the minimum distance from the source below which the odor impacts may be significant. The Project will include the operation of one Wastewater Treatment Facility, which is a use identified by the SJVAPCD as being associated with odors. Distance to the nearest off-site receptor is less than the screening threshold provided by SJVAPCD which may indicate an odor impact. However, the wastewater treatment facility on-site will utilize a membrane bioreactor technology, which is expected to have a low odor impact relative to traditional open pond designs. Additionally, solid wastes collected during the treatment process will be transported to landfills which would minimize the potential for odor impacts. Thus, the Project is not expected to result in odors adversely affecting a substantial number of people. Because the Project's wastewater treatment facility is expected to have a low odor

impact relative to traditional wastewater treatment facilities a more detailed analysis is not needed.

SJVAPCD Screening Levels for Potential Odor Sources	
Type of Facility	**Distance**
Wastewater Treatment Facility	2 Miles
Sanitary Landfill	1 Mile
Transfer Station	1 Mile
Composting Facility	1 Mile
Petroleum Refinery	2 Miles
Asphalt Batch Plant	1 Mile
Chemical Manufacturing	1 Mile
Fiberglass Manufacturing	1 Mile
Painting/Coating Operations	1 Mile
Food Processing Facility	1 Mile
Feed Lot/Dairy	1 Mile
Rendering Plant	1 Mile

8.4.2 Valley Fever

8.4.2.1 Background

Valley Fever or *coccidioidomycosis* is one of the most studied and oldest known fungal infections. *Coccidioidomycosis* was first discovered in the early 1890s in Domingo Ezcurra, an Argentinean soldier, and in 1900 was established as a fungal disease. After an outbreak in the 1930s in the San Joaquin Valley of California, this disease was given its nickname "San Joaquin Valley Fever," often shortened further to "Valley Fever".[91]

Valley Fever is primarily a disease of the lungs caused by inhalation of spores of the *Coccidioides immitis* fungus. The *Coccidioides* fungus resides in the soil in southwestern United States, northern Mexico, and parts of Central and South America. When weather and moisture conditions are favorable, the fungus "blooms" and forms many tiny spores that lie dormant in the soil. The spores are found in the top few inches of soil, become airborne when the soil is disturbed by wind, vehicles, excavation, or other ground-moving activities, and are subsequently inhaled into the lungs. After the fungal spores have settled in the lungs, they change into a multicellular structure called a spherule. Fungal growth in the lungs occurs as the spherule grows and bursts, releasing endospores, which then develop into more spherules.

[91] Los Angeles County Department of Health Services. 2004. Coccidioidomycosis: Cases of Valley Fever on the Rise in Southern California. The Public's Health Newsletter for Medical Professionals in Los Angeles County, Volume 4, Number 3. April. Available at: http://www.publichealth.lacounty.gov/media/tph/TPHApril2004.pdf. Accessed: February 2025.

Infection occurs when the spores of the fungus become airborne and are inhaled. The fungal spores become airborne when contaminated soil is disturbed by human activities, such as construction and agricultural activities, and natural phenomenon, such as windstorms, dust storms, and earthquakes.

Valley Fever symptoms generally occur within 2-3 weeks of exposure. Approximately 60% of Valley Fever cases are mild and display flu-like symptoms or no symptoms. The remainder developed flu-like symptoms (fatigue, cough, chest pain, fever, rash, headache, and joint aches) that can last for a month and tiredness that can sometimes last for longer than a few weeks. In some cases, painful red bumps may develop. A small percentage of infected persons (<1%) can develop disseminated disease that spreads outside the lungs to the brain, bone, and skin. Without proper treatment, Valley Fever can lead to severe pneumonia, meningitis, and even death. Symptoms may appear 1 to 4 weeks after exposure.

These symptoms are not unique to Valley Fever and may be caused by other illnesses as well. Identifying and confirming this disease requires specific laboratory tests such as: (1) microscopic identification of the fungal spherules in the infected tissue, sputum, or body fluid sample; (2) growing a culture of *Coccidioides immitis* from a tissue specimen, sputum, or body fluid; (3) detection of antibodies (serological tests specifically for Valley Fever) against the fungus in blood serum or other body fluids; and (4) administering the Valley Fever skin test (called coccidioidin or spherulin), which indicates prior exposure to the fungus.

Valley Fever is not contagious, and thus cannot be passed from person to person. Most individuals who are infected will recover without treatment within 6 months and will have a life-long immunity to the fungal spores. In severe cases, such as patients with rapid and extensive primary illness, those who are at risk for dissemination of disease, and those who have disseminated disease, antifungal drug therapy is used. Only 1-2% of those exposed who seek medical attention will develop a disease that spreads to other parts of the body other than the lungs. The table below presents infection classifications and normal diagnostic spread as noted in recent research.

Range of Valley Fever Cases[92,93]

Infection Classification	Percent of Total Diagnosed Cases
Asymptomatic infections	60
Infections that resolve spontaneously (with life-long immunity)	35
Chronic disease or disease disseminated throughout the body	Up to 5

[92] Hector RF, Laniado-Laborin R. 2005. Coccidioidomycosis—A Fungal Disease of the Americas. *PLoS Medicine*. 2005;2(1):e2. doi:10.1371/journal.pmed.0020002. Available at: http://www.ncbi.nlm.nih.gov/pmc/articles/PMC545195. Accessed: February 2025.

[93] Saubolle, Michael A., Peter P. McKellar, and Den Sussland. 2007. Epidemiologic, clinical, and diagnostic aspects of coccidioidomycosis. *Journal of clinical microbiology* 45.1: 26-30. Available at: http://jcm.asm.org/content/45/1/26.short. Accessed: February 2025.

Range of Valley Fever Cases[92,93]	
Infection Classification	**Percent of Total Diagnosed Cases**
Meningeal infection (affecting brain and/or spinal cord and requiring lifetime treatment)	0.15–0.75

Factors that affect the susceptibility to coccidioidal dissemination are race, sex, pregnancy, age, and immunosuppression. In 2023, there were 9,054 reported Valley Fever cases in California.[94] Consistent with previous years, the highest incidence of Valley fever in 2023 was reported in counties in the Central Valley and Central Coast regions of California, including Kern, Kings, San Luis Obispo, Fresno, and Tulare counties. Of the 9,054 reported cases, 350 were reported for San Joaquin County.[95]

8.4.2.2 Assessment of Valley Fever Risks

The *Coccidioides immitis* fungus spores found in soil, which are responsible for transmitting the Valley Fever, can disperse in the air when the soil is disturbed during construction activities, and then can be inhaled into the lungs. On-site construction workers potentially could be exposed to Valley Fever from fugitive dust generated during construction of the Project, notably during grading and other earthmoving activities. Construction activities are subject to SJVAPCD Regulation VIII (Fugitive PM_{10} Prohibition). Regulation VIII is intended to reduce ambient concentrations of PM_{10} by requiring actions to prevent, reduce or mitigate anthropogenic fugitive dust emissions. By reducing fugitive dust emissions, Regulation VIII reduces potential exposure to Valley Fever. Since current long-term residents typically already have been exposed to and have developed immunity to Valley Fever, construction activities are not expected to add significantly to exposure of off-site residents to the fungus.

Operation of the Project is not expected to produce significant amounts of fugitive dust. Therefore, operational activities are not expected to add significantly to exposure of off-site residents to the fungus.

[94] California Department of Public Health. 2023. Valley Fever in California Year-end Data Dashboard. Available at: https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/ValleyFeverDashboard.aspx. Accessed: February 2025.

[95] Ibid.

TABLES

Table 2-1. Summary of NAAQS and CAAQS
Pacific Gateway
San Joaquin County, California

Pollutant	Averaging Time	California Standards[1]		National Standards[2]		
		Concentration[3]	Method[4]	Primary[3,5]	Secondary[3,6]	Method[7]
Ozone (O_3)[8]	1 Hour	0.09 ppm (180 µg/m^3)	Ultraviolet Photometry	-	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m^3)		0.070 ppm (137 µg/m^3)		
Respirable Particulate Matter (PM_{10})[9]	24 Hour	50 µg/m^3	Gravimetric or Beta Attenuation	150 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m^3		-		
Fine Particulate Matter ($PM_{2.5}$)[9]	24 Hour	-	-	35 µg/m^3	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m^3	Gravimetric or Beta Attenuation	9.0 µg/m^3	15.0 µg/m^3	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m^3)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m^3)	-	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m^3)		9 ppm (10 mg/m^3)	-	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m^3)		-	-	
Nitrogen Dioxide (NO_2)[10]	1 Hour	0.18 ppm (339 µg/m^3)	Gas Phase Chemiluminescence	100 ppb (188 µg/m^3)	-	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m^3)		0.053 ppm (100 µg/m^3)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[11]	1 Hour	0.25 ppm (655 µg/m^3)	Ultraviolet Fluorescence	75 ppb (196 µg/m^3)		Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	-		-	0.5 ppm (1300 µg/m^3)	
	24 Hour	0.04 ppm (105 µg/m^3)		0.14 ppm (for certain areas)[11]	-	
	Annual Arithmetic Mean	-		0.030 ppm (for certain areas)[11]	-	
Lead (Pb)[12,13]	30 Day Average	1.5 µg/m^3	Atomic Absorption	-	Same as Primary Standard	High Volume Sampler and Atomic Absorption
	Calendar Quarter	-		1.5 µg/m^3 (for certain areas)[12]		
	Rolling 3-Month Average	-		0.15 µg/m^3		
Visibility Reducing Particles[14]	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m^3	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m^3)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m^3)	Gas Chromatography			

Notes:

[1] California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM_{10}, $PM_{2.5}$, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.

[2] National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m^3 is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.

[3] Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

[4] Methods specified by the ARB or any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.

[5] National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.

[6] National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.

[7] Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.

[8] On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.

[9] On February 7, 2024, the national annual PM2.5 primary standard was lowered from 12.0 µg/m3 to 9.0 µg/m3. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 µg/m3, as was the annual secondary standard of 15 µg/m3. The existing 24-hour PM10 standards (primary and secondary) of 150 µg/m3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.

[10] To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.

[11] On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

[12] The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.

[13] The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m^3 as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.

[14] In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

Abbreviations:

ARB - Air Resources Board

ppm - parts per million

Table 2-1. Summary of NAAQS and CAAQS
Pacific Gateway
San Joaquin County, California

CAAQS - California Ambient Air Quality Standards
CO - carbon monoxide
lbs - pounds
$\mu g/m^3$ - micrograms per cubic meter
mg/m^3 - milligrams per cubic meter
NAAQS - National Ambient Air Quality Standards
NO_x - nitrogen oxide compounds (NO + NO_2)
PM_{10} - particulate matter less than 10 microns in diameter
$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter
ROG - reactive organic gases
SO_x - sulfur oxide compounds
U.S. EPA - United States Environmental Protection Agency
VOC - volatile organic compounds

Table 2-2. SJVAPCD NAAQS and CAAQS Attainment Status
Pacific Gateway
San Joaquin County, California

Pollutant	Designation/Classification[1]	
	Federal Standards[2]	California Standards[3]
Ozone (1 Hour)	No Federal Standard[4]	Nonattainment/Severe
Ozone (8 Hour)	Nonattainment/Extreme[5]	Nonattainment
Respirable Particulate Matter (PM_{10})	Attainment[6]	Nonattainment
Fine Particulate Matter ($PM_{2.5}$)	Nonattainment[7]	Nonattainment
Carbon Monoxide (CO)	Attainment/Unclassified	Attainment/Unclassified
Nitrogen Dioxide (NO_2)	Attainment/Unclassified	Attainment
Sulfur Dioxide (SO_2)	Attainment/Unclassified	Attainment
Lead (Particulate)	No Designation/Classification	Attainment
Visibility Reducing Particles	No Federal Standard	Unclassified
Sulfates	No Federal Standard	Attainment
Hydrogen Sulfide	No Federal Standard	Unclassified
Vinyl Chloride	No Federal Standard	Attainment

Notes:

[1] See SJVAPCD Attainment Status. Available at: https://ww2.valleyair.org/air-quality-information/ambient-air-quality-standards-valley-attainmnet-status/. Accessed: January 2025.

[2] See 40 CFR Part 81.

[3] See CCR Title 17 Sections 60200-60210.

[4] Effective June 15, 2005, the U.S. Environmental Protection Agency (EPA) revoked the federal 1-hour ozone standard, including associated designations and classifications. EPA had previously classified the SJVAB as extreme nonattainment for this standard. EPA approved the 2004 Extreme Ozone Attainment Demonstration Plan on March 8, 2010 (effective April 7, 2010). Many applicable requirements for extreme 1-hour ozone nonattainment areas continue to apply to the SJVAB.

[5] Though the Valley was initially classified as serious nonattainment for the 1997 8-hour ozone standard, EPA approved Valley reclassification to extreme nonattainment in the Federal Register on May 5, 2010 (effective June 4, 2010).

[6] On September 25, 2008, EPA redesignated the San Joaquin Valley to attainment for the PM_{10} National Ambient Air Quality Standard (NAAQS) and approved the *2007 PM_{10} Maintenance Plan* .

[7] The Valley is designated nonattainment for the 1997 $PM_{2.5}$ NAAQS. EPA designated the Valley as nonattainment for the 2006 $PM_{2.5}$ NAAQS on November 13, 2009 (effective December 14, 2009).

Abbreviations:

CAAQS - California Ambient Air Quality Standards
CCR - California Code of Regulations
CFR - Code of Federal Regulations
CO - carbon monoxide
EPA - U.S. Environmental Protection Agency
NAAQS - National Ambient Air Quality Standards
NO_2 - nitrogen dioxide
PM_{10} - particulate matter less than 10 microns in diameter
$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter
ROG - reactive organic gases
SJVAPCD - San Joaquin Valley Air Pollution Control District
SJVAB - San Joaquin Valley Air Basin
SO_x - sulfur oxide compounds

Table 2-3. Local Ambient Air Quality Data (San Joaquin County)
Pacific Gateway
San Joaquin County, California

Pollutant[1,2]	Averaging Time	2020	2021	2022	2023	Most Stringent Ambient Air Quality Standard[3]	Monitoring Station
Ozone	1 hour	0.086 ppm	0.089 ppm	0.082 ppm	0.075 ppm	0.09 ppm (State)	Tracy-Airport
	8 hours	0.078 ppm	0.077 ppm	0.074 ppm	0.063 ppm	0.070 ppm (State/National)	
PM_{10}	24 hours	326.8 µg/m^3	173.5 µg/m^3	74.9 µg/m^3	71.0 µg/m^3	50 µg/m^3 (State)	Manteca-530 Fishback Rd, Stockton-Hazelton Street, Stockton-University Park, and Tracy-Airport
	Annual	39.4 µg/m^3	*	23.0 µg/m^3	19.9 µg/m^3	20 µg/m^3 (State)	
$PM_{2.5}$	24 hours	140.0 µg/m^3	58.7 µg/m^3	39.0 µg/m^3	38.0 µg/m^3	35 µg/m^3 (National)	Manteca-530 Fishback Rd
	Annual	14.7 µg/m^3	11.7 µg/m^3	10.1 µg/m^3	7.8 µg/m^3	12 µg/m^3 (National)	Manteca-530 Fishback Rd and Stockton-University Park
SO_2[4]	1 hour	*	*	*	*	75 ppb (National)	*
	24 hours	*	*	*	*	140 ppb (National)	
NO_2	1 hour	37 ppb	36 ppb	35 ppb	32 ppb	100 ppb (National)	Tracy-Airport
	Annual	4.93 ppb	4.93 ppb	4.82 ppb	4.15 ppb	30 ppb (State)	
CO	1 hour	2.7 ppm	2.2 ppm	2.6 ppm	2.2 ppm	20 ppm (State)	Stockton-Hazelton Street
	8 hours	2.2 ppm	1.6 ppm	1.7 ppm	1.4 ppm	9.0 ppm (State)	

Notes:
[1] Ozone, PM_{10}, $PM_{2.5}$ data obtained from CARB iADAM: Air Quality Data Statistics. Available at: https://www.arb.ca.gov/adam. Accessed: January 2025.
[2] NO_2, and CO data obtained from EPA AirData. Available at: https://www.epa.gov/outdoor-air-quality-data/monitor-values-report. Accessed: January 2025.
[3] Most Stringent Ambient Air Quality Standard obtained from the table of ambient air quality standards available at: https://ww2.arb.ca.gov/sites/default/files/2024-08/AAQS%20Table_ADA_FINAL_07222024.pdf. Accessed: January 2025.
[4] SO_2 data not available in Tracy or San Joaquin County from CARB iADAM or EPA AirData.
[5] * = There was insufficient (or no) data available to determine the value.

Abbreviations:
CARB - California Air Resources Board
CO - carbon monoxide
EPA - Environmental Protection Agency
µg/m^3 - micrograms per cubic meter
NO_2 - nitrogen dioxide
ppb - parts per billion
ppm - parts per million
PM_{10} - particulate matter less than 10 microns in diameter
$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter
SO_2 - sulfur dioxide

Table 2-4. Frequency of Air Quality Standard Violations
Pacific Gateway
San Joaquin County, California

Monitoring Site	Year	Number of Days Exceeding Standard[1,2]					
		National 24-Hour PM_{10}	State 24-Hour PM_{10}	National 24-Hour $PM_{2.5}$	State 1-Hour O_3	State 8-Hour O_3	National 8-Hour O_3
Tracy-Airport (National PM_{10}, State/National O_3); Tracy-Airport, Stockton-Hazelton Street, Manteca-530 Fishback Rd, and Stockton-University Park (State PM_{10} and National $PM_{2.5}$)	2020	2	74.0	24.0	0	3	3
	2021	1	*	11.3	0	3	3
	2022	0	10.0	6.2	0	1	1
	2023	0	11.9	3.0	0	0	0

Notes:

[1] * = There was insufficient (or no) data available to determine the value.

[2] Ozone, PM_{10}, $PM_{2.5}$ data obtained from CARB iADAM: Air Quality Data Statistics. Daily exceedances for particulate matter are estimated days because PM_{10} and $PM_{2.5}$ are not monitored daily. Available at: https://www.arb.ca.gov/adam. Accessed: January 2025.

Abbreviations:

CARB - California Air Resources Board

O_3 - ozone

PM_{10} - particulate matter less than 10 microns in diameter

$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter

Table 3-1. SJVAPCD Air Quality Significance Thresholds
Pacific Gateway
San Joaquin County, California

Criteria Air Pollutant Annual Thresholds (tons/year)[1]			
		Operation	
Pollutant	Construction	Permitted Equipment and Activities	Non-Permitted Equipment and Activities
NO_X	10	10	10
VOC	10	10	10
PM_{10}	15	15	15
$PM_{2.5}$	15	15	15
SO_X	27	27	27
CO	100	100	100
Toxic Air Contaminants (TACs) Thresholds[2]			
Carcinogens	Maximum Exposed Individual Cancer Risk ≥ 20 in 1 million Chronic & Acute Hazard Index ≥ 1.0 (project increment)		
Non-Carcinogens	Acute: Hazard Index equals or exceeds 1 for the Maximally Exposed Individual		
	Chronic: Hazard Index equals or exceeds 1 for the Maximally Exposed Individual		

Source:

[1] SJVAPCD. San Joaquin Valley Air Pollution Control District Air Quality Thresholds of Significance - Criteria Pollutants. Available at: https://ww2.valleyair.org/media/m2ecyxiw/1-cms-format-ceqa-air-quality-thresholds-of-significance-criteria-pollutants.pdf. Accessed: January 2025.

[2] SJVAPCD. San Joaquin Valley Air Pollution Control District Air Quality Thresholds of Significance - Toxic Air Contaminants. Available at: https://ww2.valleyair.org/media/2lpbkso0/2-cms-format-air-quality-thresholds-of-significance-toxic-air-contaminants.pdf. Accessed: January 2025.

Abbreviations:

$\mu g/m^3$ - micrograms per cubic meter
CO - carbon monoxide
CO_2e - carbon dioxide equivalents
GHG - greenhouse gases
lbs - pounds
MT - metric ton
NO_2 - nitrogen dioxide
NOx - nitrogen oxides
PM_{10} - respirable particulate matter
$PM_{2.5}$ - fine particulate matter
ppm - parts per million
SJVAPCD - San Joaquin Valley Air Pollution Control District
SO_2 - sulfur dioxide
SO_x - sulfur oxides
TACs - toxic air contaminants
VOC - volatile organic compounds
yr - year

Table 4-1. Construction Schedule
Pacific Gateway
San Joaquin County, California

Development Area	CalEEMod® Phase Type[1]	Start Date[1]	End Date[1]	Phase Duration[2] (days)
Initial Phase	Site Preparation	1/1/2026	3/8/2026	57
	Grading	3/9/2026	8/25/2026	146
	Building Construction	8/26/2026	4/27/2031	1,462
	Paving	4/28/2031	8/26/2031	104
	Architectural Coating	8/27/2031	12/25/2031	104
Pacific Gateway East	Site Preparation	1/1/2032	3/28/2032	75
	Grading	3/29/2032	11/10/2032	195
	Building Construction	11/11/2032	2/1/2039	1,949
	Paving	2/2/2039	7/12/2039	138
	Architectural Coating	7/13/2039	12/20/2039	138
Pacific Gateway Central	Demolition	1/1/2038	1/5/2038	4
	Site Preparation	1/6/2038	4/25/2038	94
	Grading	4/26/2038	2/2/2039	243
	Building Construction	2/3/2039	11/11/2046	2,433
	Paving	11/12/2046	5/31/2047	173
	Architectural Coating	6/1/2047	12/19/2047	173
Pacific Gateway West[3]	Site Preparation	1/1/2047	4/19/2047	94
	Grading	4/20/2047	1/29/2048	244
	Building Construction	1/30/2048	11/10/2055	2,436
	Paving	11/11/2055	5/30/2056	173
	Architectural Coating	5/31/2056	12/18/2056	173
University Center	Demolition	1/1/2032	3/4/2032	55
	Site Preparation	3/5/2032	9/13/2032	165
	Grading	9/14/2032	1/6/2034	412
	Building Construction	1/7/2034	1/3/2047	4,067
	Paving	1/4/2047	12/22/2047	302
	Architectural Coating	12/23/2047	12/8/2048	302
Gateway Center	Site Preparation	1/1/2032	6/20/2032	147
	Grading	6/21/2032	8/23/2033	368
	Building Construction	8/24/2033	3/23/2045	3,626
	Paving	3/24/2045	2/1/2046	270
	Architectural Coating	2/2/2046	12/13/2046	270

Notes:

[1] Construction phases and duration are based on Project-specific estimates.

[2] The construction work week was assumed to be 6 days per week.

[3] Due to limitations in CalEEMod®, construction mobile and offroad equipment emission factors are not available in calendar year 2051 and beyond. Thus, calendar year 2050 was used in CalEEMod® to estimate emissions for construction activities occurring in these years.

Abbreviations:

CalEEMod® - California Emissions Estimator Model

Table 4-2. Construction Demolition Assumptions
Pacific Gateway
San Joaquin County, California

Phase Name	Size Metric	Unit Amount[1]
Phase 1 (Initial Phase)	Building sqft	0
Phase 2 (East)	Building sqft	0
Phase 3 (Central)	Building sqft	12,336
Phase 4 (West)	Building sqft	0
Phase 5 (University Center)	Building sqft	41,713
Phase 6 (Gateway Center)	Building sqft	0

Notes:

[1] Square-footage quantity based on a review of GoogleEarth.

Abbreviations:

sqft - square foot

Table 4-3. Construction Architectural Coating Assumptions
Pacific Gateway
San Joaquin County, California

Development Area	Project-specific Land Use[1]	CalEEMod® Land Use Type[1]	CalEEMod® Land Use Subtype[1]	CalEEMod® Inputs		CalEEMod® Inputs	
				Building Square Footage[1]		Coated Area	
				Quantity	Unit	Quantity	Unit
Initial Phase							
Initial Phase	Community Center (VFW Hall)	Commercial	General Office Building	11,500	sqft	23,000	sqft
Initial Phase	University	Educational	University/College (4Yr)	25,000	sqft	50,000	sqft
Initial Phase	General Industrial (Initial Phase)	Industrial	Industrial Park	3,962,000	sqft	7,924,000	sqft
Initial Phase	Public Facilities (Fire Station)	Commercial	Government Office Building	113,100	sqft	226,200	sqft
Default Architectural Coating VOC Content for Non Residential Interiors and Exterior Surfaces(g/L)						50	g/L
Mitigated VOC Content for Industrial Interiors and Exterior Surfaces(g/L)						15	g/L
Adjusted Architectural Coating VOC Content for Non Residential Surfaces (g/L)						16	g/L
Gateway Center							
Gateway Center	General Industrial	Industrial	Industrial Park	525,400	sqft	1,050,800	sqft
Gateway Center	Commercial Retail/ Service	Recreational	Hotel	174,240	sqft	348,480	sqft
Gateway Center	Retail	Retail	Gasoline/Service Station	2,259	sqft	4,518	sqft
Gateway Center	Retail	Retail	Convenience Market (24 hour)	8,000	sqft	16,000	sqft
Gateway Center	Recreational	Recreational	Fast Food Restaurant with Drive Thru	13,600	sqft	27,200	sqft
Gateway Center	Recreational	Recreational	High Turnover (Sit Down Restaurant)	14,000	sqft	28,000	sqft
Gateway Center	Recreational	Recreational	Fast food Restaurant w/o Drive Thru	4,000	sqft	8,000	sqft
Gateway Center	Commercial	Commercial	Bank (with Drive-Through)	5,000	sqft	10,000	sqft
Gateway Center	Retail	Retail	Strip Mall	5,000	sqft	10,000	sqft
Default Architectural Coating VOC Content for Non Residential Interiors and Exterior Surfaces(g/L)						50	g/L
Mitigated VOC Content for Industrial Interiors and Exterior Surfaces(g/L)						15	g/L
Adjusted Architectural Coating VOC Content for Non Residential Surfaces (g/L)						26	g/L

Notes:

[1] Land uses based on Project-specific information.

[2] Coated area was populated for each land use based on CalEEMod® defaults.

[3] The low-VOC coating project mitigation measure was assessed assuming a low-VOC architectural coating of 15 g/L was applied to industrial interiors and exterior surfaces. All other building surfaces were assumed to use standard architectural coatings based on CalEEMod® default. The Initial Phase and Gateway Center construction contains a mix of non-industrial and industrial buildings, thus an adjusted architectural coating VOC content was calculated for these construction runs. All other industrial development area construction only includes industrial buildings, therefore no adjustment is needed as the non-residential architectural coating VOC content was assumed to be 15 g/L.

[4] An adjusted non-residential interior and exterior surfaces VOC content was calculated based on the land use-specific VOC content and weighted based on the relative area of coated area between industrial and non-industrial buildings.

Abbreviations:

ksf - thousand square feet

sqft - square feet

yr - year

Table 4-4. Unmitigated Annual Criteria Air Pollutant Emission Estimates for Project Construction
Pacific Gateway
San Joaquin County, California

Scenario	Year	Annual Criteria Air Pollutant Emission Estimates[1] (tons/year)					
		VOC[2]	NO_x	CO	SO_X[3]	PM_{10}	$PM_{2.5}$
Initial Phase	2026	0.8	4.9	7.7	0.0	2.5	1.0
	2027	1.2	5.7	12.9	0.0	3.1	0.8
	2028	1.1	5.5	12.2	0.0	3.2	0.8
	2029	1.0	5.2	11.5	0.0	3.1	0.8
	2030	0.9	5.0	11.0	0.0	3.1	0.8
	2031	**10.7**	1.9	4.4	0.0	1.2	0.3
Buildout	2032	1.4	**10.2**	13.8	0.1	7.1	3.4
	2033	2.1	**12.3**	23.4	0.1	8.2	2.6
	2034	2.4	**11.7**	27.8	0.1	9.1	2.4
	2035	2.3	**11.4**	27.1	0.1	9.1	2.3
	2036	2.3	**11.1**	26.3	0.1	9.1	2.3
	2037	2.2	**10.9**	25.5	0.1	9.1	2.3
	2038	2.5	**13.1**	28.6	0.1	11.1	3.3
	2039	**19.6**	**11.0**	25.9	0.1	9.4	2.4
	2040	1.8	**10.0**	23.7	0.1	8.9	2.3
	2041	1.7	9.8	23.3	0.1	8.9	2.3
	2042	1.7	9.7	23.0	0.1	8.9	2.3
	2043	1.6	9.6	22.9	0.1	8.9	2.3
	2044	1.6	9.6	22.6	0.1	8.9	2.3
	2045	1.5	8.9	21.4	0.1	8.4	2.1
	2046	3.3	7.5	18.6	0.1	7.6	1.9
	2047	**17.8**	3.0	6.4	0.0	2.5	1.1
	2048	9.0	4.6	11.0	0.0	4.9	1.3
	2049	0.7	4.6	10.4	0.0	4.6	1.2
	2050	0.7	4.6	10.4	0.0	4.6	1.2
	2051	0.7	4.6	10.4	0.0	4.6	1.2
	2052	0.7	4.6	10.4	0.0	4.6	1.2
	2053	0.7	4.6	10.4	0.0	4.6	1.2
	2054	0.7	4.6	10.4	0.0	4.6	1.2
	2055	0.7	4.1	9.2	0.0	4.0	1.0
	2056	**15.4**	0.5	2.3	0.0	0.8	0.2
SJVAPCD Significance Thresholds[4]		**10**	**10**	**100**	**27**	**15**	**15**
Exceeds Threshold for any Year of Construction?		YES	YES	NO	NO	NO	NO

Notes:

[1] Total emissions for project construction were estimated using CalEEMod® (see Appendix A). Combustion emissions associated with construction activities occurring 2051 and beyond were estimated using calendar year 2050 due to limitations in CalEEMod®.

[2] For purposes of this analysis VOC emissions are assumed to be equal to ROG.

[3] For purposes of this analysis SO_X emissions are assumed to be equal to SO_2.

[4] SJVAPCD Air Quality Significance Thresholds. Available at: http://www.valleyair.org/transportation/0714-GAMAQI-Criteria-Pollutant-Thresholds-of-Significance.pdf. Accessed: February 2025.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel
CARB - California Air Resources Board
CO - carbon monoxide
lbs - pounds
NO_x - nitrogen oxide compounds (NO + NO_2)
$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter
PM_{10} - particulate matter less than 10 microns in diameter
ROG - reactive organic gases
SJVAPCD - San Joaquin Valley Air Pollution Control District
SO_2 - sulfur dioxide
SO_x - sulfur oxide compounds
USEPA - United States Environmental Protection Agency
VOC - volatile organic compounds

Table 4-5. Unmitigated Maximum Daily On-Site Criteria Air Pollutant Emission Estimates for Project Construction - Initial Phase
Pacific Gateway
San Joaquin County, California

Scenario	Year	Max Daily Criteria Air Pollutant Emission Estimates[1]					
		VOC[2]	NO_x	CO	SO_X[3]	PM_{10}	$PM_{2.5}$
		(pounds/day)					
Initial Phase	2026	3.1	29	29	0.1	21	11
	2027	1.0	9.4	13	0.0	0.3	0.3
	2028	1.0	8.9	13	0.0	0.3	0.3
	2029	1.0	8.6	13	0.0	0.3	0.3
	2030	0.9	8.4	13	0.0	0.3	0.2
	2031	**197**	8.1	13	0.0	0.2	0.2
SJVAPCD Significance Thresholds[4]		**100**	**100**	**100**	**100**	**100**	**100**
Exceeds Threshold for any Year of Construction?		YES	NO	NO	NO	NO	NO

Notes:

[1] Total emissions for project construction were estimated using CalEEMod® (see Appendix A).

[2] For purposes of this analysis VOC emissions are assumed to be equal to ROG.

[3] For purposes of this analysis SO_X emissions are assumed to be equal to SO_2.

[4] SJVAPCD Guidance for Assessing and Mitigating Air Quality Impacts. Available at: https://www.valleyair.org/transportation/GAMAQI-2015/FINAL-DRAFT-GAMAQI.PDF. Accessed: January 2025.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel
CARB - California Air Resources Board
CO - carbon monoxide
lbs - pounds
NO_x - nitrogen oxide compounds (NO + NO_2)
$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter
PM_{10} - particulate matter less than 10 microns in diameter
ROG - reactive organic gases
SJVAPCD - San Joaquin Valley Air Pollution Control District
SO_2 - sulfur dioxide
SO_x - sulfur oxide compounds
USEPA - United States Environmental Protection Agency
VOC - volatile organic compounds

Table 4-6. Trip Rates, Trip Type Percentages, Trip Lengths, and Vehicle Miles Traveled by Operational Mobile Sources (Autos)
Pacific Gateway
San Joaquin County, California

Phase	Fehr & Peers Land Use Type	Land Use Type[1]	CalEEMod®		Land Use Size[1]		Daily Trips[2,3,4,5,6] (trips/day)	Daily VMT[2,4] (miles/day)	Fleet Mix[7]					
			Land Use Category[1]	Proposed Land Use Subtype[1]	Quantity	Size Metric			LDA	LDT1	LDT2	MDV	LHDT1	LHDT2
Initial	VFW Tracy Post (VFW Building)	Community Center (VFW Hall)	Commercial	General Office Building	11.5	ksf	330	3,696	52%	3%	24%	17%	3%	1%
	--	Other Surfaces	Parking	Other Non-Asphalt Surfaces	1,070.6	ksf	0	0	52%	3%	24%	17%	3%	1%
	--	VFW Parking	Parking	Parking Lot	1,038.7	ksf	0	0	52%	3%	24%	17%	3%	1%
	University (University Campus)	University	Educational	University/College (4Yr)	400.0	students	622	9,765	52%	3%	24%	17%	3%	1%
	Limited Industrial (Warehouse)[11]	General Industrial (Initial Phase)	Industrial	Industrial Park	3,962.0	ksf	4,240	167,772	52%	3%	24%	17%	3%	1%
	--	Public Facilities (Fire Station)	Commercial	Government Office Building	113.1	ksf	0	0	52%	3%	24%	17%	3%	1%
	--	Roadway	Parking	Other Asphalt Surfaces	2,917.4	ksf	0	0	52%	3%	24%	17%	3%	1%
	--	Open Space	Recreational	City Park	885.9	ksf	0	0	52%	3%	24%	17%	3%	1%
Buildout	VFW Tracy Post (VFW Building)	Community Center (VFW Hall)	Commercial	General Office Building	11.5	ksf	331	4,158	52%	3%	26%	16%	2%	1%
	--	Public Facilities (Fire Station)	Commercial	Government Office Building	113.1	ksf	0	0	52%	3%	26%	16%	2%	1%
	University (University Campus)	University	Educational	University/College (4Yr)	5,000	students	7,272	115,625	52%	3%	26%	16%	2%	1%
	Limited Industrial (Warehouse)[11]	General Industrial	Industrial	Industrial Park	24,675.0	ksf	26,402	808,575	52%	3%	26%	16%	2%	1%
	EV Charging Lot	Industrial Parking/ Non-Industrial Parking	Parking	Parking Lot	6,685.1	ksf	77	16	52%	3%	26%	16%	2%	1%
	--	Other Surfaces	Parking	Other Non-Asphalt Surfaces	4,958.8	ksf	0	0	52%	3%	26%	16%	2%	1%
	--	Open Space	Recreational	City Park	8,565.3	ksf	0	0	52%	3%	26%	16%	2%	1%
	Convenience Store/Gas Station	Retail	Retail	Gasoline/Service Station	20.0	ksf	0	0	52%	3%	26%	16%	2%	1%
	Shopping Plaza	Retail	Retail	Strip Mall	43.9	ksf	1,526	11,603	52%	3%	26%	16%	2%	1%
	Business Professional (Office)[11]	Business Park	Commercial	Office Park	93.0	ksf	1,017	29,307	52%	3%	26%	16%	2%	1%
	--	Industrial Parking/Other Surfaces/Roadway	Parking	Other Asphalt Surfaces	15,154.5	ksf	0	0	52%	3%	26%	16%	2%	1%
	Business Hotel	Commercial Retail/ Service	Recreational	Hotel	60.0	ksf	480	3,298	52%	3%	26%	16%	2%	1%
	Fast-Food Restaurant with Drive-Through Window	Recreational	Recreational	Fast Food Restaurant with Drive Thru	13.6	ksf	6,348	43,597	52%	3%	26%	16%	2%	1%
	Sit-Down Restaurant	Recreational	Recreational	High Turnover (Sit Down Restaurant)	14.0	ksf	856	5,886	52%	3%	26%	16%	2%	1%
	Fast Casual Restaurant	Recreational	Recreational	Fast Food Restaurant w/o Drive Thru	4.0	ksf	389	2,676	52%	3%	26%	16%	2%	1%
	--	Parking	Parking	Unenclosed parking with elevator	874	spaces	0	0	52%	3%	26%	16%	2%	1%
	Convenience Store/Gas Station	Retail	Retail	Convenience Market (24 hour)	8.0	ksf	2,762	18,976	52%	3%	26%	16%	2%	1%
	Bank with Drive-Through Window	Commercial	Commercial	Bank (with Drive-Through)	5.0	ksf	502	3,450	52%	3%	26%	16%	2%	1%
	--	University	Residential	Apartments (Mid Rise)	1,600	dwelling un	0	0	52%	3%	26%	16%	2%	1%

Table 4-6. Trip Rates, Trip Type Percentages, Trip Lengths, and Vehicle Miles Traveled by Operational Mobile Sources (Autos)
Pacific Gateway
San Joaquin County, California

Phase	Fehr & Peers Land Use Type	Land Use Type[1]	Project Trip Rates[8] (trips/size metric/day)			% Trip Type[9]			Average Non-Residential Trip Lengths[10] (miles/trip)		
			Weekday	Saturday	Sunday	Primary %	Diverted %	Pass-By %	H-W	W-O	O-O
Initial	VFW Tracy Post (VFW Building)	Community Center (VFW Hall)	28.69565	28.69565	28.69565	100%	0%	0%	11.2	11.2	11.2
	--	Other Surfaces	0.0	0.0	0.0	100%	0%	0%	0.0	0.0	0.0
	--	VFW Parking	0.0	0.0	0.0	100%	0%	0%	0.0	0.0	0.0
	University (University Campus)	University	1.55500	1.55500	1.55500	100%	0%	0%	15.7	15.7	15.7
	Limited Industrial (Warehouse)[11]	General Industrial (Initial Phase)	1.07017	1.07017	1.07017	100%	0%	0%	39.6	39.6	39.6
	--	Public Facilities (Fire Station)	0.0	0.0	0.0	100%	0%	0%	0.0	0.0	0.0
	--	Roadway	0.0	0.0	0.0	100%	0%	0%	0.0	0.0	0.0
	--	Open Space	0.0	0.0	0.0	100%	0%	0%	0.0	0.0	0.0
Buildout	VFW Tracy Post (VFW Building)	Community Center (VFW Hall)	28.8	28.8	28.8	100%	0%	0%	12.6	12.6	12.6
	--	Public Facilities (Fire Station)	0.0	0.0	0.0	100%	0%	0%	0.0	0.0	0.0
	University (University Campus)	University	1.5	1.5	1.5	100%	0%	0%	15.9	15.9	15.9
	Limited Industrial (Warehouse)[11]	General Industrial	1.1	1.1	1.1	100%	0%	0%	30.6	30.6	30.6
	EV Charging Lot	Industrial Parking/ Non-Industrial Parking	0.0	0.0	0.0	100%	0%	0%	0.2	0.2	0.2
	--	Other Surfaces	0.0	0.0	0.0	100%	0%	0%	0.0	0.0	0.0
	--	Open Space	0.0	0.0	0.0	100%	0%	0%	0.0	0.0	0.0
	Convenience Store/Gas Station	Retail	0.0	0.0	0.0	100%	0%	0%	0.0	0.0	0.0
	Shopping Plaza	Retail	34.8	34.8	34.8	100%	0%	0%	7.6	7.6	7.6
	Business Professional (Office)[11]	Business Park	10.9	10.9	10.9	100%	0%	0%	28.8	28.8	28.8
	--	Industrial Parking/Other Surfaces/Roadway	0.0	0.0	0.0	100%	0%	0%	0.0	0.0	0.0
	Business Hotel	Commercial Retail/ Service	8.0	8.0	8.0	100%	0%	0%	6.9	6.9	6.9
	Fast-Food Restaurant with Drive-Through Window	Recreational	466.8	466.8	466.8	100%	0%	0%	6.9	6.9	6.9
	Sit-Down Restaurant	Recreational	61.1	61.1	61.1	100%	0%	0%	6.9	6.9	6.9
	Fast Casual Restaurant	Recreational	97.3	97.3	97.3	100%	0%	0%	6.9	6.9	6.9
	--	Parking	0.0	0.0	0.0	100%	0%	0%	0.0	0.0	0.0
	Convenience Store/Gas Station	Retail	345.3	345.3	345.3	100%	0%	0%	6.9	6.9	6.9
	Bank with Drive-Through Window	Commercial	100.4	100.4	100.4	100%	0%	0%	6.9	6.9	6.9
	--	University	0.0	0.0	0.0	100%	0%	0%	0.0	0.0	0.0

Notes:

[1] Land uses are based on Project-specific information.

[2] Daily trips and VMT are based on data provided by Fehr & Peers.

[3] Internal trips within the Gateway Center and University Center were not included in the total daily trips for autos because these trips are assumed to be non-auto trips (i.e., walk or bike), based on information from Fehr & Peers.

[4] Land uses with zero trips are not expected to generate any new trips, based on data provided by Fehr & Peers.

[5] Total pass-by trips provided by Fehr & Peers within the Gateway Center development area were distributed to each land use based on the ratio of gross trips.

[6] Total University trips, including trips from the University and University apartments, provided by Fehr & Peers were assigned to the University/College (4Yr) CalEEMod Land Use Subtype.

[7] Fleet mix is based on auto-specific vehicle types. See Tables B-1 and C-1 for fleet mix calculations.

[8] Project trip rates are based on total daily trips divided by land use size. Project trip rates were conservatively assumed to apply to both weekday and weekend travel.

[9] The trip type was set to 100% primary to align with the VMT and trip data from Fehr & Peers.

[10] Average non-residential trip Lengths were calculated based on total daily VMT divided by total daily trips.

[11] Total primary auto trips for Limited Industrial (Warehouse) and Office autos were provided by Fehr & Peers. Total Daily VMT was calculated based on home-based work VMT provided by Fehr & Peers. W-O and O-O VMT were calculated based on CalEEMod defaults. See Tables B-2 and C-2 for detailed calculations.

Abbreviations

CalEEMod® - California Emissions Estimator Model
H-W - home-work
ksf - thousand square feet
LDA - Light-Duty Automobile
LDT - Light-Duty Truck
LHDT - Light Heavy-Duty Truck
MDV - Medium-Duty Vehicle
O-O - other-other
VFW - Veterans of Foreign Wars
VMT - vehicle miles travelled
W-O - work-other
Yr - year

Table 4-7. Trip Rates, Trip Type Percentages, Trip Lengths, and Vehicle Miles Traveled by Operational Mobile Sources (Trucks)
Pacific Gateway
San Joaquin County, California

Phase	Fehr & Peers Land Use Type	Land Use Type[1]	CalEEMod®		Land Use Size[1]		Daily Trips[2,3,4,5] (trips/day)	Daily VMT[2] (miles/day)	Fleet Mix[6]	Project Trip Rates[7] (trips/size metric/day)		
			Land Use Category[1]	Proposed Land Use Subtype[1]	Quantity	Size Metric			HHDT	Weekday	Saturday	Sunday
Initial	VFW Tracy Post (VFW Building)	Community Center (VFW Hall)	Commercial	General Office Building	11.5	ksf	0	0	100%	0.0	0.0	0.0
	--	Industrial Parking/Other Surfaces	Parking	Other Non-Asphalt Surfaces	1,070.6	ksf	0	0	100%	0.0	0.0	0.0
	--	VFW Parking	Parking	Parking Lot	1,038.7	ksf	0	0	100%	0.0	0.0	0.0
	University (University Campus)	University	Educational	University/College (4Yr)	400.0	students	2	86	100%	0.00500	0.00500	0.00500
	Limited Industrial (Warehouse)	General Industrial (Initial Phase)	Industrial	Industrial Park	3,962.0	ksf	1,782	76,448	100%	0.44977	0.44977	0.44977
	--	Public Facilities (Fire Station)	Commercial	Government Office Building	113.1	ksf	0	0	100%	0.0	0.0	0.0
	--	Roadway	Parking	Other Asphalt Surfaces	2,917.4	ksf	0	0	100%	0.0	0.0	0.0
	--	Open Space	Recreational	City Park	885.9	ksf	0	0	100%	0.0	0.0	0.0
Buildout	VFW Tracy Post (VFW Building)	Community Center (VFW Hall)	Commercial	General Office Building	11.5	ksf	0	0	100%	0.0	0.0	0.0
	--	Public Facilities (Fire Station)	Commercial	Government Office Building	113.1	ksf	0	0	100%	0.0	0.0	0.0
	University (University Campus)	University	Educational	University/College (4Yr)	5,000	students	20	880	100%	0.004	0.004	0.004
	Limited Industrial (Warehouse)	General Industrial	Industrial	Industrial Park	24,675.0	ksf	11,103	488,532	100%	0.45	0.45	0.45
	EV Charging Lot	Industrial Parking/Non-Industrial Parking	Parking	Parking Lot	6,685.1	ksf	288	58	100%	0.04	0.04	0.04
	--	Other Surfaces	Parking	Other Non-Asphalt Surfaces	4,958.8	ksf	0	0	100%	0.00	0.00	0.00
	--	Open Space	Recreational	City Park	8,565.3	ksf	0	0	100%	0.00	0.00	0.00
	Convenience Store/Gas Station	Retail	Retail	Gasoline/Service Station	20.0	ksf	720	144	100%	36.00	36.00	36.00
	Shopping Plaza	Retail	Retail	Strip Mall	43.9	ksf	20	880	100%	0.46	0.46	0.46
	Business Professional (Office)	Business Park	Commercial	Office Park	93.0	ksf	8	352	100%	0.09	0.09	0.09
	--	Industrial Parking/Other Surfaces/Roadway	Parking	Other Asphalt Surfaces	15,154.5	ksf	0	0	100%	0.00	0.00	0.00
	Business Hotel	Commercial Retail/ Service	Recreational	Hotel	60.0	ksf	2	88	100%	0.03	0.03	0.03
	Fast-Food Restaurant with Drive-Through Windo	Recreational	Recreational	Fast Food Restaurant with Drive Thru	13.6	ksf	10	440	100%	0.74	0.74	0.74
	Sit-Down Restaurant	Recreational	Recreational	High Turnover (Sit Down Restaurant)	14.0	ksf	2	88	100%	0.14	0.14	0.14
	Fast Casual Restaurant	Recreational	Recreational	Fast Food Restaurant w/o Drive Thru	4.0	ksf	2	88	100%	0.50	0.50	0.50
	--	Parking	Parking	Unenclosed parking with elevator	874	spaces	0	0	100%	0.00	0.00	0.00
	Convenience Store/Gas Station	Retail	Retail	Convenience Market (24 hour)	8.0	ksf	4	176	100%	0.50	0.50	0.50
	Bank with Drive-Through Window	Commercial	Commercial	Bank (with Drive-Through)	5.0	ksf	0	0	100%	0.00	0.00	0.00
	--	University	Residential	Apartments (Mid Rise)	1,600	dwelling units	0	0	100%	0.00	0.00	0.00

Table 4-7. Trip Rates, Trip Type Percentages, Trip Lengths, and Vehicle Miles Traveled by Operational Mobile Sources (Trucks)
Pacific Gateway
San Joaquin County, California

Phase	Fehr & Peers Land Use Type	Land Use Type[1]	% Trip Type[8]			Average Non-Residential Trip Lengths[9] (miles/trip)		
			Primary %	Diverted %	Pass-By %	H-W	W-O	O-O
Initial	VFW Tracy Post (VFW Building)	Community Center (VFW Hall)	100%	0%	0%	0.0	0.0	0.0
	--	Industrial Parking/Other Surfaces	100%	0%	0%	0.0	0.0	0.0
	--	VFW Parking	100%	0%	0%	0.0	0.0	0.0
	University (University Campus)	University	100%	0%	0%	42.9	42.9	42.9
	Limited Industrial (Warehouse)	General Industrial (Initial Phase)	100%	0%	0%	42.9	42.9	42.9
	--	Public Facilities (Fire Station)	100%	0%	0%	0.0	0.0	0.0
	--	Roadway	100%	0%	0%	0.0	0.0	0.0
	--	Open Space	100%	0%	0%	0.0	0.0	0.0
Buildout	VFW Tracy Post (VFW Building)	Community Center (VFW Hall)	100%	0%	0%	0.0	0.0	0.0
	--	Public Facilities (Fire Station)	100%	0%	0%	0.0	0.0	0.0
	University (University Campus)	University	100%	0%	0%	44.0	44.0	44.0
	Limited Industrial (Warehouse)	General Industrial	100%	0%	0%	44.0	44.0	44.0
	EV Charging Lot	Industrial Parking/Non-Industrial Parking	100%	0%	0%	0.2	0.2	0.2
	--	Other Surfaces	100%	0%	0%	0.0	0.0	0.0
	--	Open Space	100%	0%	0%	0.0	0.0	0.0
	Convenience Store/Gas Station	Retail	100%	0%	0%	0.2	0.2	0.2
	Shopping Plaza	Retail	100%	0%	0%	44.0	44.0	44.0
	Business Professional (Office)	Business Park	100%	0%	0%	44.0	44.0	44.0
	--	Industrial Parking/Other Surfaces/Roadway	100%	0%	0%	0.0	0.0	0.0
	Business Hotel	Commercial Retail/ Service	100%	0%	0%	44.0	44.0	44.0
	Fast-Food Restaurant with Drive-Through Windo	Recreational	100%	0%	0%	44.0	44.0	44.0
	Sit-Down Restaurant	Recreational	100%	0%	0%	44.0	44.0	44.0
	Fast Casual Restaurant	Recreational	100%	0%	0%	44.0	44.0	44.0
	--	Parking	100%	0%	0%	0.0	0.0	0.0
	Convenience Store/Gas Station	Retail	100%	0%	0%	44.0	44.0	44.0
	Bank with Drive-Through Window	Commercial	100%	0%	0%	0.0	0.0	0.0
	--	University	100%	0%	0%	0.0	0.0	0.0

Notes:

[1] Land uses are based on Project-specific information.

[2] Daily Trips and VMT are based on data provided by Fehr & Peers.

[3] Land uses with zero trips are not expected to generate any new trips, based on data provided by Fehr & Peers.

[4] Total pass-by trips provided by Fehr & Peers within the Gateway Center development area were distributed to each land use based on the ratio of gross trips.

[5] Total University trips, including trips from the University and University apartments, provided by Fehr & Peers were assigned to the University/College (4Yr) CalEEMod Land Use Subtype.

[6] Fleet mix is based on truck-specific vehicle types. See Tables B-1 and C-1 for fleet mix calculations.

[7] Project trip rates are based on total daily trips divided by land use size. Project trip rates were conservatively assumed to apply to both weekday and weekend travel.

[8] The trip type was set to 100% primary to align with the VMT and trip data from Fehr & Peers.

[9] Average Non-Residential Trip Lengths were calculated based on total daily VMT divided by total daily trips.

Abbreviations

CalEEMod® - California Emissions Estimator Model
HHDT - Heavy Heavy-Duty Truck
H-W - home-work
ksf - thousand square feet
MHDT - Medium Heavy-Duty Truck
O-O - other-other
VFW - Veterans of Foreign Wars
VMT - vehicle miles travelled
W-O - work-other
Yr - year

Table 4-8. Operational Consumer Product Emission Factor Adjustment
Pacific Gateway
San Joaquin County, California

Year	County	Countywide Consumer Products VOC Inventory (tons/day)[1]	County Population[2]	Total County Building Area (sqft)[3]	Consumer Products VOC EF (lb/sqft/day)
2020	San Joaquin	5.259	776,068	716,622,646	1.47E-05
2032	San Joaquin	5.958	869,577	802,969,031	0.0000148
2057	San Joaquin	7.754	989,186	913,416,206	0.0000170

Notes:

[1] ROG consumer products inventory obtained from California Emissions Projection Analysis Model for San Joaquin County (CEPAM2019v1.03). Available at: https://ww2.arb.ca.gov/applications/cepam2019v103-standard-emission-tool. Accessed: February 2025.

[2] Population estimates obtained from Department of Finance Population Projections for San Joaquin County. Available at: https://dof.ca.gov/forecasting/demographics/projections/. Accessed: February 2025.

[3] Total building square footage in San Joaquin County for 2020 was obtained from FEMA HAZUS-MH software (version 6.0). Building square footage in 2032 was estimated by assuming the ratio of building square footage per population stays constant. Available at: https://msc.fema.gov/portal/resources/hazus. Accessed: February 2025.

Abbreviations:

lb - pound

ROG - Reactive Organic Compounds

EF - emission factor

sqft - square foot

Table 4-9. Operational Architectural Coating Assumptions
Pacific Gateway
San Joaquin County, California

Development Area	Project-specific Land Use[1]	CalEEMod® Land Use Type[1]	CalEEMod® Land Use Subtype[1]	CalEEMod® Inputs		CalEEMod® Inputs	
				Building Square Footage[1]		Coated Area	
				Quantity	Unit	Quantity	Unit
Initial Phase							
Initial Phase	Community Center (VFW Hall)	Commercial	General Office Building	11,500	sqft	23,000	sqft
Initial Phase	University	Educational	University/College (4Yr)	25,000	sqft	50,000	sqft
Initial Phase	General Industrial (Initial Phase)	Industrial	Industrial Park	3,962,000	sqft	7,924,000	sqft
Initial Phase	Public Facilities (Fire Station)	Commercial	Government Office Building	113,097	sqft	226,194	sqft
Default Architectural Coating VOC Content for Non Residential Interiors and Exterior Surfaces (g/L)[3]						50	g/L
Mitigated VOC Content for Industrial Interiors and Exterior Surfaces (g/L)[3]						15	g/L
Adjusted Architectural Coating VOC Content for Non Residential Surfaces (g/L)[4]						16	g/L
Buildout							
Buildout	Community Center (VFW Hall)	Commercial	General Office Building	11,500	sqft	23,000	sqft
Buildout	Public Facilities (Fire Station)	Commercial	Government Office Building	113,100	sqft	226,200	sqft
Buildout	General Industrial	Industrial	Industrial Park	24,675,000	sqft	49,350,000	sqft
Buildout	Business Park	Commercial	Office Park	93,000	sqft	186,000	sqft
Buildout	University	Educational	University/College (4Yr)	918,987	sqft	1,837,974	sqft
Buildout	Commercial Retail/ Service	Recreational	Hotel	60,000	sqft	120,000	sqft
Buildout	Retail	Retail	Gasoline/Service Station	2,259	sqft	4,518	sqft
Buildout	Retail	Retail	Convenience Market (24 hour)	8,000	sqft	16,000	sqft
Buildout	Recreational	Recreational	Fast Food Restaurant with Drive Thru	13,600	sqft	27,200	sqft
Buildout	Recreational	Recreational	High Turnover (Sit Down Restaurant)	14,000	sqft	28,000	sqft
Buildout	Recreational	Recreational	Fast Food Restaurant w/o Drive Thru	4,000	sqft	8,000	sqft
Buildout	Commercial	Commercial	Bank (with Drive-Through)	5,000	sqft	10,000	sqft
Buildout	Retail	Retail	Strip Mall	43,900	sqft	87,800	sqft
Default Architectural Coating VOC Content for Non Residential Interiors and Exterior Surfaces (g/L)						50	g/L
Mitigated VOC Content for Industrial Interiors and Exterior Surfaces (g/L)						15	g/L
Adjusted Architectural Coating VOC Content for Non Residential Surfaces (g/L)[4]						17	g/L

Notes:

[1] Land uses based on Project-specific information and supplemented with CalEEMod® defaults building square footages where Project-specific information was not available.

[2] Coated area was populated for each land use based on CalEEMod® defaults.

[3] The low-VOC coating project mitigation measure was assessed assuming a low-VOC architectural coating of 15 g/L was applied to industrial interiors and exterior surfaces. All other building surfaces were assumed to use standard architectural coatings based on CalEEMod® default.

[4] An adjusted non-residential interior and exterior surfaces VOC content was calculated based on the land use-specific VOC content and weighted based on the relative area of coated area between industrial and non-industrial buildings.

Abbreviations:

ksf - thousand square feet sqft - square feet yr - year

Table 4-10. Fueling Facility Operational VOC Emissions
Pacific Gateway
San Joaquin County, California

VOC Emission Factor[1] (lb/1,000 gallons)						Emissions[2] (tons/year)
Loading	**Breathing**	**Refueling**	**Hose Permeation**	**Spillage**	**Total**	
0.15	0.024	0.356	0.009	0.24	**0.779**	**10.0**

Notes:

[1] Emission factors obtained from SJVAPCD staff via email on July 25, 2024 for EVR Phase I and EVR Phase II Installed Underground Tank.

[2] Emissions are estimated assuming an annual throughput of 25.6 million gallons per year.

Abbreviations:

EVR - enhanced vapor recovery

lb - pounds

SJVAPCD - San Joaquin Valley Air Pollution Control District

VOC - volatile organic compounds

Table 4-11. Offroad Equipment Criteria Air Pollutant Emission Calculations
Pacific Gateway
San Joaquin County, California

OFFROAD Equipment	Fuel Type	Project Phase Details			Average Combustion Equipment Usage[1,2]		Mitigated Average Combustion Equipment Usage[1,2,3]		OFFROAD2021 EFs[3,4] (lbs/hr)						Unmitigated Emissions[5] (tons/yr)						Mitigated Emissions[3,5] (tons/yr)					
		Project Phase	Operation Year	Project Land Use	Equipment Population	Annual Hours of Use	Equipment Population	Annual Hours of Use	VOC	NOx	CO	SOx	PM_{10}	$PM_{2.5}$	VOC	NOx	CO	SOx	PM_{10}	$PM_{2.5}$	VOC	NOx	CO	SOx	PM_{10}	$PM_{2.5}$
Yard Truck	Diesel	Initial Phase	2032	General Industrial (Initial Phase)	15	21,450	1	1,430	0.029	0.083	0.362	0.001	0.004	0.004	0.31	0.89	3.88	0.01	0.04	0.04	0.02	0.06	0.26	0.00	0.00	0.00
		Pacific Gateway East	2057	General Industrial	26	37,180	2	2,860	0.029	0.034	0.372	0.001	0.002	0.002	0.54	0.63	6.92	0.01	0.04	0.04	0.04	0.05	0.53	0.00	0.00	0.00
		Pacific Gateway West	2057	General Industrial	23	32,890	0	0	0.029	0.034	0.372	0.001	0.002	0.002	0.48	0.56	6.12	0.01	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00
		Pacific Gateway Central	2057	General Industrial	25	35,750	2	2,860	0.029	0.034	0.372	0.001	0.002	0.002	0.52	0.60	6.65	0.01	0.04	0.04	0.04	0.05	0.53	0.00	0.00	0.00
		Gateway Center	2057	General Industrial	2	2,860	2	2,860	0.029	0.034	0.372	0.001	0.002	0.002	0.04	0.05	0.53	0.00	0.00	0.00	0.04	0.05	0.53	0.00	0.00	0.00
Forklift	Diesel	Initial Phase	2032	General Industrial (Initial Phase)	475	1,388,285	19	55,217	0.008	0.057	0.136	0.000	0.002	0.002	5.85	39.38	94.74	0.16	1.19	1.10	0.23	1.57	3.77	0.01	0.05	0.04
		Pacific Gateway East	2057	General Industrial	859	2,509,661	56	162,525	0.008	0.041	0.136	0.000	0.001	0.001	10.15	51.03	171.01	0.28	0.96	0.88	0.66	3.30	11.07	0.02	0.06	0.06
		Pacific Gateway West	2057	General Industrial	740	2,161,576	0	0	0.008	0.041	0.136	0.000	0.001	0.001	8.74	43.95	147.29	0.24	0.83	0.76	0.00	0.00	0.00	0.00	0.00	0.00
		Pacific Gateway Central	2057	General Industrial	823	2,402,508	64	185,815	0.008	0.041	0.136	0.000	0.001	0.001	9.71	48.85	163.70	0.27	0.92	0.85	0.75	3.78	12.66	0.02	0.07	0.07
		Gateway Center	2057	General Industrial	63	184,090	64	185,641	0.008	0.041	0.136	0.000	0.001	0.001	0.74	3.74	12.54	0.02	0.07	0.06	0.75	3.77	12.65	0.02	0.07	0.07
								Total Offroad Emissions (Initial Phase)							6.17	40.27	98.62	0.17	1.23	1.13	0.25	1.63	4.03	0.01	0.05	0.05
								Total Offroad Emissions (Buildout)							37.10	189.68	613.37	1.01	4.14	3.80	2.54	12.63	42.01	0.07	0.26	0.24

Notes:

[1] SCAQMD Rule 2305 Second Draft Staff Report, Chapter 3. Warehouses greater than 200,000 sqft operate an average of 3.6 yard trucks per million square feet of warehouse space, and the off-road yard trucks are estimated to operate for 1,430 hours per year. Available at: http://www.aqmd.gov/docs/default-source/planning/fbmsm-docs/pr-2305_sr_2nd-draft_4-7-21_clean.pdf. Accessed: January 2025.

[2] LBA Logistics EIR 2021. Appendix B. Based on a 2014 SCAQMD Survey, an average of 0.12 forklifts per 1,000 square feet. Forklifts are assumed to operate 8 hours per day, 365 days per yet. Available at: https://files.ceqanet.opr.ca.gov/266135-4/attachment/ZZ4NAT7Mt9jFgb_-p1Zq8FKUksmhz0jHLSja_j4XbcjAR_uh1pdylTl-isnTBffLgeF50tlWW5ZWRdMW0. Accessed: January 2025.

[3] To represent the project mitigation measure regarding zero-emission forklift and yard truck equipment, the following assumptions were made. A total of 157,583 square feet of industrial warehouse was assumed to utilize combustion-based equipment in the Initial Phase and a total of 1,681,500 square feet of industrial warehouse was assumed to utilize combustion-based equipment in Project Buildout based on Project-specific information for buildings under this threshold. The remainder of these equipment were assumed to be zero-emission equipment.

[4] Emission factors obtained from OFFROAD2021 emissions output for Calendar Years 2032 and 2050, Yard Goats and Forklifts in San Joaquin Valley. Emission factors are not available after calendar year 2050. Therefore, calendar year 2050 emission factors were used to represent emission factors for calendar year 2057.

[5] Emissions estimated using OFFROAD2021 emission factors and annual hours of use for each equipment.

Abbreviations:
CO - carbon monoxide
lbs - pounds
hr(s) - hour(s)
MSF - million square feet
NOx - oxides of nitrogen
$PM_{2.5}$ - particulate matter with diameter of 2.5 microns or less
PM_{10} - particulate matter with diameter of 10 microns or less
SOx - oxides of sulfur
tsf - thousand square feet
VOC - volatile organic compounds
yr - year

Constants:

3.6	yard trucks/MSF[1]
1,430	hrs/yr[1]
0.12	forklifts/tsf[2]
2,920	hrs/yr[2]
1000	ft/tsf
	sqft of ZE operational equipment land use

Table 4-12. Wastewater Treatment Plant Emergency Diesel Generator Criteria Air Pollutant Emissions
Pacific Gateway
San Joaquin County, California

	Generator Parameters			Annual Emissions, Using AP-42 EFs (lb/year)				
Equipment Name	**Hours per Year[1]**	**Diesel Consumption Rate (gal/hr)[2]**	**Annual Diesel Throughput (gal)**	**PM**	**NOx**	**CO**	**SOx**	**VOC**
Emergency Diesel Generator	200	39.9	7,973	338	4,769	1,028	315	392

AP-42 Emission Factors

Pollutant	**Provided EF (lb/hp-hr)[3]**	**Brake Horsepower EF (lb/bhp-hr)**	**Fuel EF (lb/gal)**
PM-10	2.20E-03	2.17E-03	0.0425
NOx	3.10E-02	3.06E-02	0.5982
CO	6.68E-03	6.59E-03	0.1289
SOx	2.05E-03	2.02E-03	0.0396
TOC	2.51E-03	2.48E-03	0.0485
Aldehydes	4.63E-04	4.57E-04	0.0089

Notes:

[1]Emergency generator hours per year taken from SJVAPCD Rule 4701 Section 3.22, which states that "Any internal combustion engine used exclusively for non-utility electric power generation or any other emergency engine, approved by the APCO, and limited by permit condition to operate no more than 200 hours per calendar year for non-emergency purposes and not used in conjunction with any voluntary utility demand reduction program." Available at: https://ww2.valleyair.org/media/1danj2d0/rule-4701.pdf. Accessed: January 2025.

[2]Expected diesel consumption rate taken as an average of similar units.

[3]AP-42 emission factors obtained from Table 3-3-1 of AP-42 Section 3.3: Gasoline and Diesel Industrial Engines. Available at: https://www3.epa.gov/ttn/chief/ap42/ch03/final/c03s03.pdf. Accessed: January 2025.

[4]Liquid fuel consumption factor from Table 1 in AQMD Guidelines for Calculating Emissions form Internal Combustion Engines. Available at: https://www.aqmd.gov/docs/default-source/planning/annual-emission-reporting/guidelines-for-calculating-emissions-from-internal-combustion-engines.pdf?sfvrsn=6. Accessed: January 2025.

[5]The ratio of TOG to VOC was provided by the EPA SPECIATE Data Browser for Profile Code 0008 for Reciprocating Diesel Engine. Available at: https://www.epa.gov/air-emissions-modeling/speciate-0. Accessed: January 2025.

Conversion Factors:

5.11E-05 Mgal/bhp-hr, liquid fuel consumption factor[4]
1.168224 lb TOG/lb VOC ratio[5]
0.001 Mgal/gal
0.986 hp/bhp
0.4536 kg/lb

Abbreviations:

APCO - Air Pollution Control Officer
AQMD - South Coast Air Quality Management District
bhp - brake horsepower
CO - carbon monoxide
EF - emission factor
gal - gallon
hp - horsepower
hr - hour
kg - kilogram
lb - pound
Mgal - 1,000 gallons
NOx - oxides of nitrogen
PM - particulate matter
PM-10 - particulate matter less than 10 microns in diameter
SJVAPCD - San Joaquin Valley Air Pollution Control District
SOx - oxides of sulfur
TOC - total organic carbon
TOG - total organic gasses
VOC - volatile organic compounds

Table 4-13. TRU Criteria Air Pollutant Emission Calculations at Initial Buildout
Pacific Gateway
San Joaquin County, California

Emission Factor[1,2] (g/bhp-hr)	VOC	NOx	CO	SO_x	PM_{10}	$PM_{2.5}$
	1.96	1.62	0.26	0.002	0.02	0.01

Scenario	Annual Number of Round Trips with TRUs[3]	Annual Average TRU Emissions (tons/year)					
		VOC	NOx	CO	SO_x	PM_{10}	$PM_{2.5}$
General Industrial	16,261	4.65	3.83	0.61	0.004	0.036	0.033

Notes:

[1] Emission factors obtained from OFFROAD2021 emissions output for Calendar Year 2032, Transportation Refrigeration Unit - Instate Trailer and Transportation Refrigeration Unit - Out-Of-State Trailer in San Joaquin Valley.

[2] SO_X emission factors based on sulfur content of ultra-low sulfur diesel fuel (15 ppm) and fuel consumption from OFFROAD2021.

[3] Approximately 5% of trucks for the Land Use, General Industrial are assumed to be equipped with TRUs. The number of trucks equipped with TRUs for the Land Use type, University are assumed to be insignificant and are therefore not included in the estimation of TRU round trips.

[4] Horsepower is based on SJVAPCD Guidance for Air Dispersion Modeling, Appendix A, Section 2.3.1 Transportation Refrigeration unit (TRU), Modeling Parameters. Available at: http://valleyair.org/busind/pto/tox_resources/modeling%20guidance%20w_o%20pic.pdf. Accessed: January 2025.

[5] Load factor obtained from CARB 2021 Update to Emissions Inventory for Transport Refrigeration Units. Available at: https://ww2.arb.ca.gov/sites/default/files/barcu/board/rulemaking/tru2021/apph.pdf. Accessed: January 2025.

[6] TRU Cycle Duration is based on 2 hours of off-site loading time, 2 hours of on-site unloading time, plus the duration of the on-site and off-site transit. Assumptions based on Table II.G.1 of CARB Proposed Amendments to the Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate. Available at: https://ww2.arb.ca.gov/sites/default/files/barcu/board/rulemaking/tru2021/appi.pdf. Accessed: January 2025.

Abbreviations:

CARB - California Air Resources Board
CO - carbon dioxide
NOx - oxides of nitrogen
PM_{10} - particulate matter less than 10 microns in diameter
$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter
ppm - parts per million
SJVAPCD - San Joaquin Valley Air Pollution Control District
SOx - sulfur oxide compounds
TRU - transportation refrigeration unit
VOCs - Volatile Organic Compounds

Constants:

Horsepower [4]	50	bhp
Load Factor [5]	0.38	
TRU Cycle Duration [6]	417	minutes
Fuel Consumption[2]	0.039	gal/hp-hr
Fuel Sulfur Content[2]	15	ppm
Density of Diesel	3,221	g/gal

Conversion Factors:

453.592	g/lb
1000000	g/MT
60	min/hr
365	day/year
2000	lb/ton

Table 4-14. TRU Criteria Air Pollutant On-Site Emission Calculations at Initial Buildout
Pacific Gateway
San Joaquin County, California

Emission Factor[1,2] (g/bhp-hr)	VOC	NOx	CO	SO_x	PM_{10}	$PM_{2.5}$
	1.96	1.62	0.26	0.002	0.02	0.01

Scenario	Number of Daily Round Trips with TRUs[3]	Daily On-Site TRU Emissions (lbs/day)					
		VOC	NOx	CO	SO_x	PM_{10}	$PM_{2.5}$
General Industrial	45	7.67	6.32	1.00	0.01	0.06	0.05

Notes:

[1] Emission factors obtained from OFFROAD2021 emissions output for Calendar Year 2032, Transportation Refrigeration Unit - Instate Trailer and Transportation Refrigeration Unit - Out-Of-State Trailer in San Joaquin Valley.

[2] SO_X emission factors based on sulfur content of ultra-low sulfur diesel fuel (15 ppm) and fuel consumption from OFFROAD2021.

[3] Approximately 5% of trucks for the Land Use, General Industrial are assumed to be equipped with TRUs. The number of trucks equipped with TRUs for the Land Use type, University are assumed to be insignificant and are therefore not included in the estimation of TRU round trips.

[4] Horsepower is based on SJVAPCD Guidance for Air Dispersion Modeling, Appendix A, Section 2.3.1 Transportation Refrigeration unit (TRU), Modeling Parameters. Available at: http://valleyair.org/busind/pto/tox_resources/modeling%20guidance%20w_o%20pic.pdf. Accessed: January 2025.

[5] Load factor obtained from CARB 2021 Update to Emissions Inventory for Transport Refrigeration Units. Available at: https://ww2.arb.ca.gov/sites/default/files/barcu/board/rulemaking/tru2021/apph.pdf. Accessed: January 2025.

[6] TRU Cycle Duration is based on 2 hours of on-site unloading time, plus the duration of the on-site transit. Assumptions based on Table II.G.1 of CARB Proposed Amendments to the Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate. Available at: https://ww2.arb.ca.gov/sites/default/files/barcu/board/rulemaking/tru2021/appi.pdf. Accessed: January 2025.

Abbreviations:

CARB - California Air Resources Board
CO - carbon dioxide
NOx - oxides of nitrogen
PM_{10} - particulate matter less than 10 microns in diameter
$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter
ppm - parts per million
SJVAPCD - San Joaquin Valley Air Pollution Control District
SOx - sulfur oxide compounds
TRU - transportation refrigeration unit
VOCs - Volatile Organic Compounds

Constants:

Horsepower [4]	50	bhp
Load Factor [5]	0.38	
TRU Cycle Duration [6]	126	minutes
Fuel Consumption[2]	0.039	gal/hp-hr
Fuel Sulfur Content[2]	15	ppm
Density of Diesel	3,221	g/gal

Conversion Factors:

453.592	g/lb
1000000	g/MT
60	min/hr
365	day/year
2000	lb/ton

Table 4-15. TRU Criteria Air Pollutant Emission Calculations at Full Buildout
Pacific Gateway
San Joaquin County, California

Emission Factor[1,2] (g/bhp-hr)	VOC	NOx	CO	SO_x	PM_{10}	$PM_{2.5}$
	1.97	1.32	0.26	0.002	0.01	0.01

Scenario	Annual Number of Round Trips with TRUs[3]	Annual Average TRU Emissions (tons/year)					
		VOC	NOx	CO	SO_x	PM_{10}	$PM_{2.5}$
General Industrial	101,315	29.41	19.67	3.83	0.028	0.215	0.198

Notes:
[1] Emission factors obtained from OFFROAD2021 emissions output for Calendar Year 2050, Transportation Refrigeration Unit - Instate Trailer and Transportation Refrigeration Unit - Out-Of-State Trailer in San Joaquin Valley. Emission factors are not available after calendar year 2050. Therefore, calendar year 2050 emission factors were used to represent emission factors for calendar year 2057.
[2] SO_X emission factors based on sulfur content of ultra-low sulfur diesel fuel (15 ppm) and fuel consumption from OFFROAD2021.

[3] Approximately 5% of trucks for the Land Use, General Industrial are assumed to be equipped with TRUs. The number of trucks equipped with TRUs for the Land Use type, University are assumed to be insignificant and are therefore not included in the estimation of TRU round trips.

[4] Horsepower is based on SJVAPCD Guidance for Air Dispersion Modeling, section 2.3.1 Transportation Refrigeration unit (TRU), Modeling Parameters. Available at: http://valleyair.org/busind/pto/tox_resources/modeling%20guidance%20w_o%20pic.pdf. Accessed: January 2025.

[5] Load factor obtained from CARB 2021 Update to Emissions Inventory for Transport Refrigeration Units. Available at: https://ww2.arb.ca.gov/sites/default/files/barcu/board/rulemaking/tru2021/apph.pdf. Accessed: January 2025.

[6] TRU Cycle Duration is based on 2 hours of off-site loading time, 2 hours of on-site unloading time, plus the duration of the on-site and off-site transit. Assumptions based on Table II.G.1 of CARB Proposed Amendments to the Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate. Available at: https://ww2.arb.ca.gov/sites/default/files/barcu/board/rulemaking/tru2021/appi.pdf. Accessed: January 2025.

Abbreviations:

CARB - California Air Resources Board
CO - carbon dioxide
NOx - oxides of nitrogen
PM_{10} - particulate matter less than 10 microns in diameter
$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter
ppm - parts per million
SJVAPCD - San Joaquin Valley Air Pollution Control District
SOx - sulfur oxide compounds
TRU - transportation refrigeration unit
VOCs - Volatile Organic Compounds

Constants:

Horsepower [4]	50	bhp
Load Factor [5]	0.38	
TRU Cycle Duration [6]	422	minutes
Fuel Consumption[2]	0.039	gal/hp-hr
Fuel Sulfur Content[2]	15	ppm
Density of Diesel	3,221	g/gal

Conversion Factors:

453.592	g/lb
1000000	g/MT
60	min/hr
365	day/year
2000	lb/ton

Table 4-16. Unmitigated Annual Criteria Air Pollutant Emission Estimates for Project Operation
Pacific Gateway
San Joaquin County, California

Emission Category	Annual Criteria Air Pollutant Emission Estimates[1] (tons/year)					
	VOC[2]	**NO_x**	**CO**	**SO_X[3]**	**PM_{10}**	**$PM_{2.5}$**
Initial Phase						
Area[4]	14.9	0.1	16.1	0.0	0.0	0.0
Energy[4]	0.3	5.8	4.9	0.0	0.5	0.5
Mobile[4]	2.8	49.5	58.9	0.6	37.0	10.2
TRU[5]	4.6	3.8	0.6	0.0	0.0	0.0
Offroad Equipment[6]	6.2	40.3	98.6	0.2	1.2	1.1
Wastewater Facility[7]	0.2	2.4	0.5	0.2	0.2	0.2
Fueling Facility[8]	--	--	--	--	--	--
Total Annual Emissions (tons/year)	**29.0**	**101.9**	**179.6**	**1.0**	**38.9**	**12.0**
Full Buildout[9]						
Area[4]	113.7	1.8	128.0	0.1	2.4	2.2
Energy[4]	2.2	39.0	32.3	0.3	3.0	3.0
Mobile[4]	14.9	261.5	298.8	3.2	223.3	61.3
TRU[5]	29.4	19.7	3.8	0.0	0.2	0.2
Offroad Equipment[6]	37.1	189.7	613.4	1.0	4.1	3.8
Wastewater Facility[7]	0.2	2.4	0.5	0.2	0.2	0.2
Fueling Facility[8]	10.0	--	--	--	--	--
Total Annual Emissions (tons/year)	**207.5**	**513.9**	**1076.8**	**4.7**	**233.2**	**70.7**
SJVAPCD Significance Thresholds[10]	**10**	**10**	**100**	**27**	**15**	**15**
Initial Phase Exceeds Threshold?	YES	YES	YES	NO	YES	NO
Buildout Exceeds Threshold?	YES	YES	YES	NO	YES	YES

Notes:

[1] Emissions totals may not add up due to rounding. Emissions shown as zero may be non-zero values; however, they are below a meaningful reporting level for this analysis.

[2] For purposes of this analysis VOC emissions are assumed to be equal to ROG.

[3] For purposes of this analysis SO_X emissions are assumed to be equal to SO_2.

[4] Total area, energy, and mobile emissions were estimated using CalEEMod® (see Appendix A).

[5] TRU emissions were calculated as shown in Table 4-13 and Table 4-15 for detailed calculations.

[6] Offroad equipment emissions include emissions from on-site yard trucks and forklifts, see Table 4-11 for detailed calculations.

[7] Wastewater facility emissions include emissions from an on-site emergency diesel generator, see Table 4-12 for detailed calculations.

[8] Fueling facility emissions were calculated for the Project Buildout, see Table 4-10 for detailed calculations.

[9] Please note that the "Buildout" phase includes all land uses, inclusive of the land uses in the "Initial Phase".

[10] SJVAPCD Guidance for Assessing and Mitigating Air Quality Impacts. Available at: https://www.valleyair.org/transportation/GAMAQI-2015/FINAL-DRAFT-GAMAQI.PDF. Accessed: January 2025.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel
CO - carbon monoxide
EMFAC - EMission FACtors model
lbs - pounds
NO_x - nitrogen oxide compounds (NO + NO_2)
$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter
PM_{10} - particulate matter less than 10 microns in diameter
ROG - reactive organic gases
SJVAPCD - San Joaquin Valley Air Pollution Control District
SO_2 - sulfur dioxide
SO_x - sulfur oxide compounds
VOC - volatile organic compounds

Table 4-17. Unmitigated Maximum On-Site Criteria Air Pollutant Emission Estimates for Project Operation - Initial Phase
Pacific Gateway
San Joaquin County, California

Emission Category	Max Daily Criteria Air Pollutant Emission Estimates[1] (pounds/day)					
	VOC[2]	NO_x	CO	SO_X[3]	PM_{10}	$PM_{2.5}$
Initial Phase						
Area[4]	96.2	1.5	179.0	0.0	0.3	0.2
Energy[4]	1.8	31.9	26.8	0.2	2.4	2.4
TRU	7.7	6.3	1.0	0.0	0.1	0.1
Mobile[5]	0.9	12.2	22.9	0.2	10.8	3.0
Offroad Equipment[6]	33.8	220.7	540.4	0.9	6.8	6.2
Wastewater Facility[7]	1.1	13.1	2.8	0.9	0.9	0.9
Fueling Facility	--	--	--	--	--	--
Total Daily Emissions (lbs/day)	**141.4**	**285.7**	**772.9**	**2.2**	**21.3**	**12.8**
SJVAPCD Significance Thresholds[8]	**100**	**100**	**100**	**100**	**100**	**100**
Exceeds Threshold?	YES	YES	YES	NO	NO	NO

Conversion Factor:

365	days/year
2,000	lb/ton

Notes:

[1] Emissions totals may not add up due to rounding. Emissions shown as zero may be non-zero values; however, they are below a meaningful reporting level for this analysis.

[2] For purposes of this analysis VOC emissions are assumed to be equal to ROG.

[3] For purposes of this analysis SO_X emissions are assumed to be equal to SO_2.

[4] Total area and energy emissions were estimated using CalEEMod® (see Appendix A).

[5] On-road mobile emissions were estimated using CalEEMod®. The on-site portion of on-road mobile emissions was estimated by taking a ratio of mobile emissions based on an assumption of the on-site trip distance (2 miles) and the average auto and truck trip lengths. TRU emissions were estimated as shown in Table 4-14.

[6] Offroad equipment emissions include emissions from on-site yard trucks and forklifts, see Table 4-11 for detailed calculations.

[7] Wastewater facility emissions include emissions from an on-site emergency diesel generator, see Table 4-12 for detailed calculations.

[8] SJVAPCD Guidance for Assessing and Mitigating Air Quality Impacts. Available at: https://www.valleyair.org/transportation/GAMAQI-2015/FINAL-DRAFT-GAMAQI.PDF. Accessed: January 2025.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel
CO - carbon monoxide
EMFAC - EMission FACtors model
lbs - pounds
NO_x - nitrogen oxide compounds (NO + NO_2)
$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter
PM_{10} - particulate matter less than 10 microns in diameter
ROG - reactive organic gases
SJVAPCD - San Joaquin Valley Air Pollution Control District
SO_2 - sulfur dioxide
SO_x - sulfur oxide compounds
VOC - volatile organic compounds

Table 5-1. Exposure Parameters
Pacific Gateway
San Joaquin County, California

Receptor Type	Receptor Age Group	Exposure Parameters						
		Daily Breathing Rate (DBR)[1,2,3]	Annual Exposure Duration (ED)[2]	Fraction of Time at Home (FAH)[3]	Exposure Frequency (EF)[4]	Averaging Time (AT)	Intake Factor, Inhalation (IF_{inh})	Age Sensitivity Factor (ASF)[5]
		(L/kg-day)	(years)	(unitless)	(days/year)	(days)	(m^3/kg-day)	(unitless)
Resident[6]	3rd Trimester	361	1.0	1.00	350	25,550	0.0049	10
	Age 0-<2 Years	1,090	1.0	1.00		25,550	0.0149	10
	Age 2-<9 Years	861	1.0	1.00		25,550	0.0118	3
	Age 10-<16 Years	745	1.0	1.00		25,550	0.0102	3
	Age 16-30 Years	335	1.0	1.00		25,550	0.0046	1
	Age 31-70 Years	290	1.0	1.00		25,550	0.0040	1
Worker[7]	Age 16-70 Years	230	1.0	--	250	25,550	0.0023	1

Notes:

[1] Daily breathing rates for residents and worker reflect default breathing rates from SJVAPCD Draft Health Risk Assessment Guidance.

Resident: 95th percentile 24-hour daily breathing rate for all age groups;
Worker: 95th percentile 8-hour breathing rate for age 16-70 years.

[2] Annual exposure duration represents one full year. The exposure duration for all years is 1, as the health risk assessment is based on annual emissions.

[3.] Fraction of time spent at home is conservatively assumed to be 1 (i.e., 24 hours/day) for all resident age groups based on the SJVAPCD Draft HRA Guidance confirmed by Kyle Melching on January 17, 2025.

[4] Exposure frequency was determined as follows:

Resident: reflects default residential exposure frequency from OEHHA (OEHHA 2015).

Worker: reflects default worker exposure frequency from OEHHA (OEHHA 2015).

[5] ASFs account for an "anticipated special sensitivity to carcinogens" of infants and children as recommended in the OEHHA Technical Support Document (OEHHA 2015) and current OEHHA guidance (OEHHA 2015). This approach is consistent with the cancer risk adjustment factor calculations recommended by SJVAPCD.

[6] A resident receptor is assumed to be exposed for 70 years, in accordance with SJVAPCD Draft Health Risk Assessment Guidance.

[7] A worker receptor is assumed to be exposed for 40 years, in accordance with SJVAPCD Draft Health Risk Assessment Guidance.

Calculations:

IF_{inh} = DBR * FAH * EF * ED * CF / AT

CF = 0.001 (m^3/L)

Abbreviations:

kg - kilogram

L - liter

m^3 - cubic meter

OEHHA - Office of Environmental Health Hazard Assessment

SJVAPCD - San Joaquin Valley Air Pollution Control District

References:

SJVAPCD. Draft Health Risk Assessment Guidance Document. Email communication between Ramboll and Kyle Melching.

OEHHA. 2015. Air Toxics Hot Spots Program Risk Assessment Guidelines. Guidance Manual for Preparation of Health Risk Assessments. February.

Table 5-2a. Age Sensitivity Weighted Intake Factors by Year and Age Bin for Exposure Scenario 1
Pacific Gateway
San Joaquin County, California

	Resident							Worker	
	Fraction of Year in Age Bin[2]						Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]	Fraction of Year in Age Bin[2]	Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]
Year[1]	3rd T	0-2	2-<9	9-<16	16-<30	30-<70	(m^3/kg-day)	16-70	(m^3/kg-day)
2032	0.25	0.75					0.12	1	0.0023
2033		1					0.15	1	0.0023
2034		0.25	0.75				0.064	1	0.0023
2035			1				0.035	1	0.0023
2036			1				0.035	1	0.0023
2037			1				0.035	1	0.0023
2038			1				0.035	1	0.0023
2039			1				0.035	1	0.0023
2040			1				0.035	1	0.0023
2041			0.25	0.75			0.032	1	0.0023
2042				1			0.031	1	0.0023
2043				1			0.031	1	0.0023
2044				1			0.031	1	0.0023
2045				1			0.031	1	0.0023
2046				1			0.031	1	0.0023
2047				1			0.031	1	0.0023
2048				0.25	0.75		0.011	1	0.0023
2049					1		0.0046	1	0.0023
2050					1		0.0046	1	0.0023
2051					1		0.0046	1	0.0023
2052					1		0.0046	1	0.0023
2053					1		0.0046	1	0.0023
2054					1		0.0046	1	0.0023
2055					1		0.0046	1	0.0023
2056					1		0.0046	1	0.0023
2057					1		0.0046	1	0.0023
2058					1		0.0046	1	0.0023
2059					1		0.0046	1	0.0023
2060					1		0.0046	1	0.0023
2061					1		0.0046	1	0.0023
2062					0.25	0.75	0.0041	1	0.0023
2063						1	0.0040	1	0.0023
2064						1	0.0040	1	0.0023
2065						1	0.0040	1	0.0023
2066						1	0.0040	1	0.0023
2067						1	0.0040	1	0.0023
2068						1	0.0040	1	0.0023
2069						1	0.0040	1	0.0023
2070						1	0.0040	1	0.0023
2071						1	0.0040	1	0.0023
2072						1	0.0040		
2073						1	0.0040		
2074						1	0.0040		
2075						1	0.0040		

Table 5-2a. Age Sensitivity Weighted Intake Factors by Year and Age Bin for Exposure Scenario 1
Pacific Gateway
San Joaquin County, California

	Resident							Worker	
	Fraction of Year in Age Bin[2]						Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]	Fraction of Year in Age Bin[2]	Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]
Year[1]	3rd T	0-2	2-<9	9-<16	16-<30	30-<70	(m^3/kg-day)	16-70	(m^3/kg-day)
2076						1	0.0040		
2077						1	0.0040		
2078						1	0.0040		
2079						1	0.0040		
2080						1	0.0040		
2081						1	0.0040		
2082						1	0.0040		
2083						1	0.0040		
2084						1	0.0040		
2085						1	0.0040		
2086						1	0.0040		
2087						1	0.0040		
2088						1	0.0040		
2089						1	0.0040		
2090						1	0.0040		
2091						1	0.0040		
2092						1	0.0040		
2093						1	0.0040		
2094						1	0.0040		
2095						1	0.0040		
2096						1	0.0040		
2097						1	0.0040		
2098						1	0.0040		
2099						1	0.0040		
2100						1	0.0040		
2101						1	0.0040		
2102						0.25	9.8E-04		

Notes:

[1] Exposure Scenario 1 begins at the start of operation, following the initial phase, and continues throughout the full exposure period. Only offsite receptors are evaluated in this scenario.

[2] The exposure duration for all years is 1, as the health risk assessment is based on annual emissions. While the 3rd Trimester is only 3 months, the exposure duration for the first year is set to 1 since annual average concentrations are used to calculate risks.

[3] The Intake Factors have been multiplied by the Age Sensitivity Factors and weighted by the exposure duration for each age bin.

[4] Intake Factors are based on exposure assumptions in Table 5-1.

Abbreviations:

kg - kilogram

m^3 - cubic meter

T - trimester

Table 5-2b. Age Sensitivity Weighted Intake Factors by Year and Age Bin for Exposure Scenario 2
Pacific Gateway
San Joaquin County, California

	Resident							Worker	
	Fraction of Year in Age Bin[2]						Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]	Fraction of Year in Age Bin[2]	Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]
Year[1]	3rd T	0-2	2-<9	9-<16	16-<30	30-<70	(m^3/kg-day)	16-70	(m^3/kg-day)
2026	0.25	0.75					0.12	1	0.0023
2027		1					0.15	1	0.0023
2028		0.25	0.75				0.064	1	0.0023
2029			1				0.035	1	0.0023
2030			1				0.035	1	0.0023
2031			1				0.035	1	0.0023
2032			1				0.035	1	0.0023
2033			1				0.035	1	0.0023
2034			1				0.035	1	0.0023
2035			0.25	0.75			0.032	1	0.0023
2036				1			0.031	1	0.0023
2037				1			0.031	1	0.0023
2038				1			0.031	1	0.0023
2039				1			0.031	1	0.0023
2040				1			0.031	1	0.0023
2041				1			0.031	1	0.0023
2042				0.25	0.75		0.011	1	0.0023
2043					1		0.0046	1	0.0023
2044					1		0.0046	1	0.0023
2045					1		0.0046	1	0.0023
2046					1		0.0046	1	0.0023
2047					1		0.0046	1	0.0023
2048					1		0.0046	1	0.0023
2049					1		0.0046	1	0.0023
2050					1		0.0046	1	0.0023
2051					1		0.0046	1	0.0023
2052					1		0.0046	1	0.0023
2053					1		0.0046	1	0.0023
2054					1		0.0046	1	0.0023
2055					1		0.0046	1	0.0023
2056					0.25	0.75	0.0041	1	0.0023
2057						1	0.0040	1	0.0023
2058						1	0.0040	1	0.0023
2059						1	0.0040	1	0.0023
2060						1	0.0040	1	0.0023
2061						1	0.0040	1	0.0023
2062						1	0.0040	1	0.0023
2063						1	0.0040	1	0.0023
2064						1	0.0040	1	0.0023
2065						1	0.0040	1	0.0023
2066						1	0.0040		
2067						1	0.0040		
2068						1	0.0040		
2069						1	0.0040		

Table 5-2b. Age Sensitivity Weighted Intake Factors by Year and Age Bin for Exposure Scenario 2
Pacific Gateway
San Joaquin County, California

	Resident							Worker	
	Fraction of Year in Age Bin[2]						Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]	Fraction of Year in Age Bin[2]	Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]
Year[1]	3rd T	0-2	2-<9	9-<16	16-<30	30-<70	(m^3/kg-day)	16-70	(m^3/kg-day)
2070						1	0.0040		
2071						1	0.0040		
2072						1	0.0040		
2073						1	0.0040		
2074						1	0.0040		
2075						1	0.0040		
2076						1	0.0040		
2077						1	0.0040		
2078						1	0.0040		
2079						1	0.0040		
2080						1	0.0040		
2081						1	0.0040		
2082						1	0.0040		
2083						1	0.0040		
2084						1	0.0040		
2085						1	0.0040		
2086						1	0.0040		
2087						1	0.0040		
2088						1	0.0040		
2089						1	0.0040		
2090						1	0.0040		
2091						1	0.0040		
2092						1	0.0040		
2093						1	0.0040		
2094						1	0.0040		
2095						1	0.0040		
2096						0.25	9.9E-04		

Notes:

[1] Exposure Scenario 2 begins at the start of initial-phase construction, and continues throughout the full exposure period. Only offsite receptors are evaluated in this scenario.

[2] The exposure duration for all years is 1, as the health risk assessment is based on annual emissions. While the 3rd Trimester is only 3 months, the exposure duration for the first year is set to 1 since annual average concentrations are used to calculate risks.

[3] The Intake Factors have been multiplied by the Age Sensitivity Factors and weighted by the exposure duration for each age bin.

[4] Intake Factors are based on exposure assumptions in Table 5-1.

Abbreviations:

kg - kilogram

m^3 - cubic meter

T - trimester

Table 5-2c. Age Sensitivity Weighted Intake Factors by Year and Age Bin for Exposure Scenario 3
Pacific Gateway
San Joaquin County, California

	Resident							Worker	
	Fraction of Year in Age Bin[2]						Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]	Fraction of Year in Age Bin[2]	Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]
Year[1]	3rd T	0-2	2-<9	9-<16	16-<30	30-<70	(m^3/kg-day)	16-70	(m^3/kg-day)
2057	0.25	0.75					0.12	1	0.0023
2058		1					0.15	1	0.0023
2059		0.25	0.75				0.064	1	0.0023
2060			1				0.035	1	0.0023
2061			1				0.035	1	0.0023
2062			1				0.035	1	0.0023
2063			1				0.035	1	0.0023
2064			1				0.035	1	0.0023
2065			1				0.035	1	0.0023
2066			0.25	0.75			0.032	1	0.0023
2067				1			0.031	1	0.0023
2068				1			0.031	1	0.0023
2069				1			0.031	1	0.0023
2070				1			0.031	1	0.0023
2071				1			0.031	1	0.0023
2072				1			0.031	1	0.0023
2073				0.25	0.75		0.011	1	0.0023
2074					1		0.0046	1	0.0023
2075					1		0.0046	1	0.0023
2076					1		0.0046	1	0.0023
2077					1		0.0046	1	0.0023
2078					1		0.0046	1	0.0023
2079					1		0.0046	1	0.0023
2080					1		0.0046	1	0.0023
2081					1		0.0046	1	0.0023
2082					1		0.0046	1	0.0023
2083					1		0.0046	1	0.0023
2084					1		0.0046	1	0.0023
2085					1		0.0046	1	0.0023
2086					1		0.0046	1	0.0023
2087					0.25	0.75	0.0041	1	0.0023
2088						1	0.0040	1	0.0023
2089						1	0.0040	1	0.0023
2090						1	0.0040	1	0.0023
2091						1	0.0040	1	0.0023
2092						1	0.0040	1	0.0023
2093						1	0.0040	1	0.0023
2094						1	0.0040	1	0.0023
2095						1	0.0040	1	0.0023
2096						1	0.0040	1	0.0023
2097						1	0.0040		
2098						1	0.0040		
2099						1	0.0040		
2100						1	0.0040		

Table 5-2c. Age Sensitivity Weighted Intake Factors by Year and Age Bin for Exposure Scenario 3
Pacific Gateway
San Joaquin County, California

	Resident							Worker	
	Fraction of Year in Age Bin[2]						Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]	Fraction of Year in Age Bin[2]	Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]
Year[1]	3rd T	0-2	2-<9	9-<16	16-<30	30-<70	(m^3/kg-day)	16-70	(m^3/kg-day)
2101						1	0.0040		
2102						1	0.0040		
2103						1	0.0040		
2104						1	0.0040		
2105						1	0.0040		
2106						1	0.0040		
2107						1	0.0040		
2108						1	0.0040		
2109						1	0.0040		
2110						1	0.0040		
2111						1	0.0040		
2112						1	0.0040		
2113						1	0.0040		
2114						1	0.0040		
2115						1	0.0040		
2116						1	0.0040		
2117						1	0.0040		
2118						1	0.0040		
2119						1	0.0040		
2120						1	0.0040		
2121						1	0.0040		
2122						1	0.0040		
2123						1	0.0040		
2124						1	0.0040		
2125						1	0.0040		
2126						1	0.0040		
2127						0.25	9.9E-04		

Notes:

[1] Exposure Scenario 3 begins at the start of full buildout operation, and continues throughout the full exposure period. Only offsite receptors are evaluated in this scenario.

[2] The exposure duration for all years is 1, as the health risk assessment is based on annual emissions. While the 3rd Trimester is only 3 months, the exposure duration for the first year is set to 1 since annual average concentrations are used to calculate risks.

[3] The Intake Factors have been multiplied by the Age Sensitivity Factors and weighted by the exposure duration for each age bin.

[4] Intake Factors are based on exposure assumptions in Table 5-1.

Abbreviations:

kg - kilogram

m^3 - cubic meter

T - trimester

Table 5-2d. Age Sensitivity Weighted Intake Factors by Year and Age Bin for Exposure Scenario 4
Pacific Gateway
San Joaquin County, California

	Resident							Worker	
	Fraction of Year in Age Bin[2]						Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]	Fraction of Year in Age Bin[2]	Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]
Year[1]	3rd T	0-2	2-<9	9-<16	16-<30	30-<70	(m^3/kg-day)	16-70	(m^3/kg-day)
2026	0.25	0.75					0.12	1	0.0023
2027		1					0.15	1	0.0023
2028		0.25	0.75				0.064	1	0.0023
2029			1				0.035	1	0.0023
2030			1				0.035	1	0.0023
2031			1				0.035	1	0.0023
2032			1				0.035	1	0.0023
2033			1				0.035	1	0.0023
2034			1				0.035	1	0.0023
2035			0.25	0.75			0.032	1	0.0023
2036				1			0.031	1	0.0023
2037				1			0.031	1	0.0023
2038				1			0.031	1	0.0023
2039				1			0.031	1	0.0023
2040				1			0.031	1	0.0023
2041				1			0.031	1	0.0023
2042				0.25	0.75		0.011	1	0.0023
2043					1		0.0046	1	0.0023
2044					1		0.0046	1	0.0023
2045					1		0.0046	1	0.0023
2046					1		0.0046	1	0.0023
2047					1		0.0046	1	0.0023
2048					1		0.0046	1	0.0023
2049					1		0.0046	1	0.0023
2050					1		0.0046	1	0.0023
2051					1		0.0046	1	0.0023
2052					1		0.0046	1	0.0023
2053					1		0.0046	1	0.0023
2054					1		0.0046	1	0.0023
2055					1		0.0046	1	0.0023
2056					0.25	0.75	0.0041	1	0.0023
2057						1	0.0040	1	0.0023
2058						1	0.0040	1	0.0023
2059						1	0.0040	1	0.0023
2060						1	0.0040	1	0.0023
2061						1	0.0040	1	0.0023
2062						1	0.0040	1	0.0023
2063						1	0.0040	1	0.0023
2064						1	0.0040	1	0.0023
2065						1	0.0040	1	0.0023
2066						1	0.0040		
2067						1	0.0040		
2068						1	0.0040		
2069						1	0.0040		

Table 5-2d. Age Sensitivity Weighted Intake Factors by Year and Age Bin for Exposure Scenario 4
Pacific Gateway
San Joaquin County, California

	Resident							Worker	
	Fraction of Year in Age Bin[2]						Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]	Fraction of Year in Age Bin[2]	Age Sensitivity Weighted Intake Factor by Year, Inhalation[3,4]
Year[1]	3rd T	0-2	2-<9	9-<16	16-<30	30-<70	(m^3/kg-day)	16-70	(m^3/kg-day)
2070						1	0.0040		
2071						1	0.0040		
2072						1	0.0040		
2073						1	0.0040		
2074						1	0.0040		
2075						1	0.0040		
2076						1	0.0040		
2077						1	0.0040		
2078						1	0.0040		
2079						1	0.0040		
2080						1	0.0040		
2081						1	0.0040		
2082						1	0.0040		
2083						1	0.0040		
2084						1	0.0040		
2085						1	0.0040		
2086						1	0.0040		
2087						1	0.0040		
2088						1	0.0040		
2089						1	0.0040		
2090						1	0.0040		
2091						1	0.0040		
2092						1	0.0040		
2093						1	0.0040		
2094						1	0.0040		
2095						1	0.0040		
2096						0.25	9.9E-04		

Notes:

[1] Exposure Scenario 4 begins at the start of initial-phase construction, continues through all construction phases, and extends through the full buildout operations. Only offsite receptors are evaluated in this scenario.

[2] The exposure duration for all years is 1, as the health risk assessment is based on annual emissions. While the 3rd Trimester is only 3 months, the exposure duration for the first year is set to 1 since annual average concentrations are used to calculate risks.

[3] The Intake Factors have been multiplied by the Age Sensitivity Factors and weighted by the exposure duration for each age bin.

[4] Intake Factors are based on exposure assumptions in Table 5-1.

Abbreviations:

kg - kilogram

m^3 - cubic meter

T - trimester

Table 5-3. Health Risk Assessment Options Used in HARP2 ADMRT Tool
Pacific Gateway
San Joaquin County, California

HARP2 Risk Analyses Screen/ Option Title		Options Chosen[1]				
		Residential Cancer Risk Run	**Residential Chronic Risk Run**	**Worker Cancer Risk Run**	**Worker Chronic Risk Run**	**Acute Risk Run**
Select Risk Scenario	Analysis Type	Cancer Risk	Chronic Risk (Non-cancer)	Cancer Risk	Chronic Risk (Non-cancer)	Acute Risk (Non-cancer)
	Receptor Type	Individual Resident		Worker		N/A
	Exposure Duration	Scenario 3: 70-Year (3rd trimester) Scenario 4: 40-Year (30 years old)	N/A	Scenario 3: 40-Year (16 start age) Scenario 4: 10-Year (46 start age)	N/A	N/A
	Intake Rate Percentile	95th percentile (High End)		95th percentile (High End)		N/A
Select Pathways to Evaluate	Tab "Pathways to Evaluate"	User Defined Select deposition rate of 0.05 m/s		Select "Worker Pathways" Select deposition rate of 0.05 m/s		Default Inhalation Only Pathway
	Tab "Inh"	Uncheck "Apply fraction of time spent at home (FAH) to ages greater than or equal to 16 years"		Check box "Use Adjustment Factors" with worker adjustment factor (WAF) = 1.5[2]		Use Defaults (No Change)
	Tab "Soil"	Use Defaults (No Change)		Use Defaults (No Change)		N/A
	Tab "Derm"	Warm Climate		Warm Climate		N/A
	Tab "MMlk"	Use Defaults (No Change)		N/A	N/A	N/A
	Tab "HG Produce"	Use Defaults (No Change)		N/A	N/A	N/A
	Tab "Pig, Chicken, & Egg"	Use Defaults (No Change)		N/A	N/A	N/A

Notes:

[1] HARP2 options were chosen based on SJVAPCD's Draft HRA Guidance provided to Ramboll by Kyle Melching (SJVAPCD) on August 4, 2021.

[2] Annual concentration adjustment factor for workers is set based on the assumed schedule of 16 hours per day.

Abbreviations:

ADMRT - Air Dispersion Modeling and Risk Tool
HARP - Hotspots Analysis and Reporting Program
HRA - health risk assessment
m/s - meters per second
N/A - not applicable
SJVAPCD - San Joaquin Valley Air Pollution Control District
WAF - worker adjustment factor

Table 5-4. Initial Buildout - Health Risk Assessment Results
Pacific Gateway
San Joaquin Valley, California

Scenario	Receptor Type	Maximum Estimated Cancer Risk (in a million)	Maximum Estimated Chronic Hazard Index	Maximum Estimated Acute Hazard Index
Scenario 1 - Initial Buildout, Operation Only	Resident	11.8	2.2E-03	--
	Worker	9.7	2.0E-02	--
Scenario 2 - Initial Buildout, Construction and Operation	Resident	7.4	1.2E-02	--
	Worker	8.2	2.3E-02	--
SJVAPCD Threshold[1]		**20**	**1.0**	**1.0**

Notes:

[1] SJVAPCD Air Quality Thresholds of Significance-Toxic Air Contaminants. Available at: https://ww2.valleyair.org/media/2lpbkso0/2-cms-format-air-quality-thresholds-of-significance-toxic-air-contaminants.pdf. Accessed: February 2025.

Abbreviations:

HRA - health risk assessment

SJVAPCD - San Joaquin Valley Air Pollution Control District

Table 5-5. Full Buildout - Health Risk Assessment Results
Pacific Gateway
San Joaquin Valley, California

Scenario	Receptor Type	Maximum Estimated Cancer Risk (in a million)[1]	Maximum Estimated Chronic Hazard Index[1]	Maximum Estimated Acute Hazard Index
Scenario 3 - Full Buildout, Operation Only	Resident	41.3 [19.7]	1.0E-02 [4.0E-03]	3.6E-02
	Worker	10.4	2.1E-02	2.2E-01
Scenario 4 - Full Buildout, Construction and Operation	Resident	9.2	3.0E-02	3.6E-02
	Worker	2.4	3.6E-02	2.2E-01
SJVAPCD Threshold[2]		**20**	**1.0**	**1.0**

Notes:

[1] The bracketed risk represents the maximum estimated cancer risk and chronic hazard index with the potential application of the high efficiency particulate air (HEPA) filter mitigation at significant residential receptor locations as discussed in Section 8.3.2 of the Air Quality Technical Report.

[2] SJVAPCD Air Quality Thresholds of Significance-Toxic Air Contaminants. Available at: https://ww2.valleyair.org/media/2lpbkso0/2-cms-format-air-quality-thresholds-of-significance-toxic-air-contaminants.pdf. Accessed: February 2025.

Abbreviations:

HEPA - high efficiency particulate air

HRA - health risk assessment

SJVAPCD - San Joaquin Valley Air Pollution Control District

Table 8-1. Mitigated Annual Criteria Air Pollutant Emission Estimates for Project Construction
Pacific Gateway
San Joaquin County, California

Scenario	Year	Annual Criteria Air Pollutant Emission Estimates[1,2] (tons/year)					
		VOC[3]	NO_x	CO	SO_x[4]	PM_{10}	$PM_{2.5}$
Initial Phase	2026	0.5	2.2	8.4	0.0	2.4	0.9
	2027	1.1	4.7	13.2	0.0	3.1	0.8
	2028	1.0	4.6	12.5	0.0	3.1	0.8
	2029	0.9	4.3	11.9	0.0	3.1	0.8
	2030	0.9	4.1	11.3	0.0	3.1	0.8
	2031	4.2	1.5	4.5	0.0	1.2	0.3
Buildout	2032	0.5	2.6	16.5	0.1	6.8	3.1
	2033	1.5	7.7	26.4	0.1	8.0	2.4
	2034	2.2	9.5	28.8	0.1	9.0	2.3
	2035	2.1	9.4	28.1	0.1	9.1	2.3
	2036	2.1	9.2	27.4	0.1	9.1	2.3
	2037	2.0	9.0	26.6	0.1	9.1	2.3
	2038	2.1	9.5	31.5	0.1	11.0	3.2
	2039	7.8	8.8	27.3	0.1	9.4	2.4
	2040	1.6	8.2	24.9	0.1	8.9	2.2
	2041	1.5	8.1	24.5	0.1	8.8	2.2
	2042	1.5	8.0	24.2	0.1	8.8	2.2
	2043	1.5	7.9	24.1	0.1	8.8	2.2
	2044	1.5	7.9	23.9	0.1	8.9	2.2
	2045	1.4	7.3	22.4	0.1	8.4	2.1
	2046	2.3	6.4	19.4	0.1	7.6	1.9
	2047	6.4	1.2	8.7	0.0	2.5	1.1
	2048	8.9	4.0	11.6	0.0	4.9	1.3
	2049	0.7	4.1	10.8	0.0	4.6	1.2
	2050	0.7	4.1	10.8	0.0	4.6	1.2
	2051	0.7	4.1	10.8	0.0	4.6	1.2
	2052	0.7	4.1	10.8	0.0	4.6	1.2
	2053	0.7	4.1	10.8	0.0	4.6	1.2
	2054	0.7	4.1	10.8	0.0	4.6	1.2
	2055	0.6	3.6	9.6	0.0	4.0	1.0
	2056	5.4	0.3	2.4	0.0	0.8	0.2
SJVAPCD Significance Thresholds[5]		**10**	**10**	**100**	**27**	**15**	**15**
Exceeds Threshold for any Year of Construction?		NO	NO	NO	NO	NO	NO

Notes:

[1] Total emissions for project construction were estimated using CalEEMod® (see Appendix A). Combustion emissions associated with construction activities occuring 2051 and beyond were estimated using calendar year 2050 due to limitations in CalEEMod®.

[2] Emission reductions associated with the Tier 4 construction equipment estimated in CalEEMod® for equipment greater than 50 HP. Emission reductions associated with the low-VOC architectural coatings mitigation measure was estimated in CalEEMod® based on an adjusted VOC content as shown in Table 4-3. See Appendix A for further details.

[3] For purposes of this analysis VOC emissions are assumed to be equal to ROG.

[4] For purposes of this analysis SO_x emissions are assumed to be equal to SO_2.

[5] SJVAPCD Air Quality Significance Thresholds. Available at: http://www.valleyair.org/transportation/0714-GAMAQI-Criteria-Pollutant-Thresholds-of-Significance.pdf. Accessed: February 2025.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel
CARB - California Air Resources Board
CO - carbon monoxide
lbs - pounds
NO_x - nitrogen oxide compounds (NO + NO_2)
$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter
PM_{10} - particulate matter less than 10 microns in diameter
ROG - reactive organic gases
SJVAPCD - San Joaquin Valley Air Pollution Control District
SO_2 - sulfur dioxide
SO_x - sulfur oxide compounds
USEPA - United States Environmental Protection Agency
VOC - volatile organic compounds

Table 8-2. Mitigated Maximum Daily On-Site Criteria Air Pollutant Emission Estimates for Project Construction - Initial Phase
Pacific Gateway
San Joaquin County, California

Scenario	Year	Max Daily Criteria Air Pollutant Emission Estimates[1,2]					
		VOC[3]	NO_x	CO	SO_x[4]	PM_{10}	$PM_{2.5}$
		(pounds/day)					
Initial Phase	2026	0.8	5	35	0.1	20	10
	2027	0.5	3.1	15	0.0	0.1	0.1
	2028	0.4	3.0	15	0.0	0.1	0.1
	2029	0.4	3.0	15	0.0	0.1	0.1
	2030	0.4	3.0	15	0.0	0.1	0.1
	2031	72	3.0	15	0.0	0.1	0.1
SJVAPCD Significance Thresholds[5]		**100**	**100**	**100**	**100**	**100**	**100**
Exceeds Threshold for any Year of Construction?		NO	NO	NO	NO	NO	NO

Notes:

[1] Total emissions for project construction were estimated using CalEEMod ® (see Appendix A).

[2] Emission reductions associated with the Tier 4 construction equipment estimated in CalEEMod ® for equipment greater than 50 HP. See Appendix A for details.

[3] For purposes of this analysis VOC emissions are assumed to be equal to ROG.

[4] For purposes of this analysis SO_x emissions are assumed to be equal to SO_2.

[5] SJVAPCD Guidance for Assessing and Mitigating Air Quality Impacts. Available at: https://www.valleyair.org/transportation/GAMAQI-2015/FINAL-DRAFT-GAMAQI.PDF. Accessed: January 2025.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel
CARB - California Air Resources Board
CO - carbon monoxide
lbs - pounds
NO_x - nitrogen oxide compounds (NO + NO_2)
$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter
PM_{10} - particulate matter less than 10 microns in diameter
ROG - reactive organic gases
SJVAPCD - San Joaquin Valley Air Pollution Control District
SO_2 - sulfur dioxide
SO_x - sulfur oxide compounds
USEPA - United States Environmental Protection Agency
VOC - volatile organic compounds

Table 8-3. Mitigated Annual Criteria Air Pollutant Emission Estimates for Project Operation
Pacific Gateway
San Joaquin County, California

Emission Category	Annual Criteria Air Pollutant Emission Estimates[1] (tons/year)					
	VOC[2]	**NO_x**	**CO**	**SO_x[3]**	**PM_{10}**	**$PM_{2.5}$**
Initial Phase						
Area[4,5]	11.6	0.0	0.0	0.0	0.0	0.0
Energy[4]	0.3	5.8	4.9	0.0	0.5	0.5
Mobile[4]	2.8	49.5	58.9	0.6	37.0	10.2
TRU[6]	4.6	3.8	0.6	0.0	0.0	0.0
Offroad Equipment[7]	0.3	1.6	4.0	0.0	0.1	0.0
Wastewater Facility[8]	0.2	2.4	0.5	0.2	0.2	0.2
Fueling Facility[9]	--	--	--	--	--	--
Total Annual Emissions	**19.8**	**63.1**	**68.9**	**0.8**	**37.7**	**10.9**
Required Annual Emissions Reduction from Rule 9510 Compliance[10]	**--**	25.5	**--**	**--**	19.4	**--**
Estimated Annual Emissions Reduction from Mitigation Measures[10]	**--**	38.8	**--**	**--**	1.2	**--**
Additional Annual Emissions Reductions from Rule 9510 Compliance[10]	**--**	0.0	**--**	**--**	18.2	**--**
Total with Rule Compliance	**19.8**	**63.1**	**68.9**	**0.8**	**19.4**	**10.9**
Full Buildout[10]						
Area[4,5]	91.8	0.8	15.0	0.1	2.2	2.1
Energy[4]	2.2	39.0	32.3	0.3	3.0	3.0
Mobile[4]	14.9	261.5	298.8	3.2	223.3	61.3
TRU[6]	29.4	19.7	3.8	0.0	0.2	0.2
Offroad Equipment[7]	2.5	12.6	42.0	0.1	0.3	0.2
Wastewater Facility[8]	0.2	2.4	0.5	0.2	0.2	0.2
Fueling Facility[9]	10.0	--	--	--	--	--
Total Annual Emissions (tons/year)	**151.0**	**335.9**	**392.4**	**3.8**	**229.1**	**67.0**
Required Annual Emissions Reduction from Rule 9510 Compliance[10]	--	128.5	--	--	116.6	--
Estimated Annual Emissions Reduction from Mitigation Measures[10]	--	178.0	--	--	4.1	--
Additional Annual Emissions Reductions from Rule 9510 Compliance[10]	--	0.0	--	--	112.5	--
Total with Rule Compliance	**151.0**	**335.9**	**392.4**	**3.8**	**116.6**	**67.0**
SJVAPCD Significance Thresholds[12]	**10**	**10**	**100**	**27**	**15**	**15**
Initial Phase Exceeds Threshold?	**YES**	**YES**	**NO**	**NO**	**YES**	**NO**
Buildout Exceeds Threshold?	**YES**	**YES**	**YES**	**NO**	**YES**	**YES**
Initial Phase with Rule Compliance Exceeds Threshold?	**YES**	**YES**	**NO**	**NO**	**YES**	**NO**
Buildout with Rule Compliance Exceeds Threshold?	**YES**	**YES**	**YES**	**NO**	**YES**	**YES**

Notes:

[1] Emissions totals may not add up due to rounding. Emissions shown as zero may be non-zero values; however, they are below a meaningful reporting level for this analysis.

[2] For purposes of this analysis VOC emissions are assumed to be equal to ROG.

[3] For purposes of this analysis SO_x emissions are assumed to be equal to SO_2.

[4] Total area, energy, and mobile emissions were estimated using CalEEMod® (see Appendix A).

[5] Mitigated area emissions incorporate the zero emission landscaping equipment mitigation measure using mitigation measure LL-1 in CalEEMod®. The low-VOC architectural coatings measure was estimated in CalEEMod® based on an adjusted VOC content as shown in Table 4-9.

[6] TRU emissions were calculated as shown in Table 4-13 and Table 4-15 for detailed calculations.

Table 8-3. Mitigated Annual Criteria Air Pollutant Emission Estimates for Project Operation
Pacific Gateway
San Joaquin County, California

[7] Offroad equipment emissions include emissions from on-site yard trucks and forklifts, see Table 4-11 for detailed calculations.

[8] Wastewater facility emissions include emissions from an on-site emergency diesel generator, see Table 4-12 for detailed calculations.

[9] Fueling facility emissions were calculated for the Project Buildout, see Table 4-10 for detailed calculations.

[10] Please note that the "Buildout" phase includes all land uses, inclusive of the land uses in the "Initial Phase".

[11] The annual emissions reductions from Rule 9510 compliance for NOx and PM_{10} are calculated using the SJVAPCD Indirect Source Rule Fee Estimator available at: https://ww2.valleyair.org/media/q2jdhwze/fee-estimator.xlsm. Accessed: March 2025. The anticipated emissions reductions due to the implementation of mitigation measures was subtracted from the Rule 9510 emissions reduction requirement to estimate the remaining emissions reductions needed to meet Rule 9510 requirements.

[12] SJVAPCD Guidance for Assessing and Mitigating Air Quality Impacts. Available at: https://www.valleyair.org/media/g4nl3p0g/gamaqi.pdf. Accessed: January 2025.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel
CO - carbon monoxide
EMFAC - EMission FACtors model
lbs - pounds
NO_x - nitrogen oxide compounds (NO + NO_2)
$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter
PM_{10} - particulate matter less than 10 microns in diameter
ROG - reactive organic gases
SJVAPCD - San Joaquin Valley Air Pollution Control District
SO_2 - sulfur dioxide
SO_x - sulfur oxide compounds
VOC - volatile organic compounds

Table 8-4. Mitigated Maximum On-Site Criteria Air Pollutant Emission Estimates for Project Operation - Initial Phase
Pacific Gateway
San Joaquin County, California

Emission Category	Max Daily Criteria Air Pollutant Emission Estimates[1]					
	VOC[2]	NO_x	CO	SO_X[3]	PM_{10}	$PM_{2.5}$
	(pounds/day)					
Initial Phase						
Area[4]	63.3	0.0	0.0	0.0	0.0	0.0
Energy[4]	1.8	31.9	26.8	0.2	2.4	2.4
TRU	7.7	6.3	1.0	0.0	0.1	0.1
Mobile[5]	0.9	12.2	22.9	0.2	10.8	3.0
Offroad Equipment[6]	1.4	8.9	22.1	0.0	0.3	0.3
Wastewater Facility[7]	1.1	13.1	2.8	0.9	0.9	0.9
Fueling Facility	--	--	--	--	--	--
Total Daily Emissions (lbs/day)	**76.0**	**72.5**	**75.6**	**1.3**	**14.5**	**6.6**
SJVAPCD Significance Thresholds[8]	**100**	**100**	**100**	**100**	**100**	**100**
Exceeds Threshold?	NO	NO	NO	NO	NO	NO

Conversion Factor:

365	days/year
2,000	lb/ton

Notes:

[1] Emissions totals may not add up due to rounding. Emissions shown as zero may be non-zero values; however, they are below a meaningful reporting level for this analysis.

[2] For purposes of this analysis VOC emissions are assumed to be equal to ROG.

[3] For purposes of this analysis SO_X emissions are assumed to be equal to SO_2.

[4] Mitigated area emissions incorporate the zero emission landscaping equipment mitigation measure using mitigation measure LL-1 in CalEEMod®. The low-VOC architectural coatings measure was estimated in CalEEMod® based on an adjusted VOC content as shown in Table 4-8.

[5] On-road mobile emissions were estimated using CalEEMod®. The on-site portion of on-road mobile emissions was estimated by taking a ratio of mobile emissions based on an assumption of the on-site trip distance (2 miles) and the average auto and truck trip lengths. TRU emissions were estimated as shown in Table 4-14.

[6] Offroad equipment emissions include emissions from on-site yard trucks and forklifts. The offroad equipment emissions were evaluated including the zero-emission forklift and yard truck measure as shown in Table 4-11.

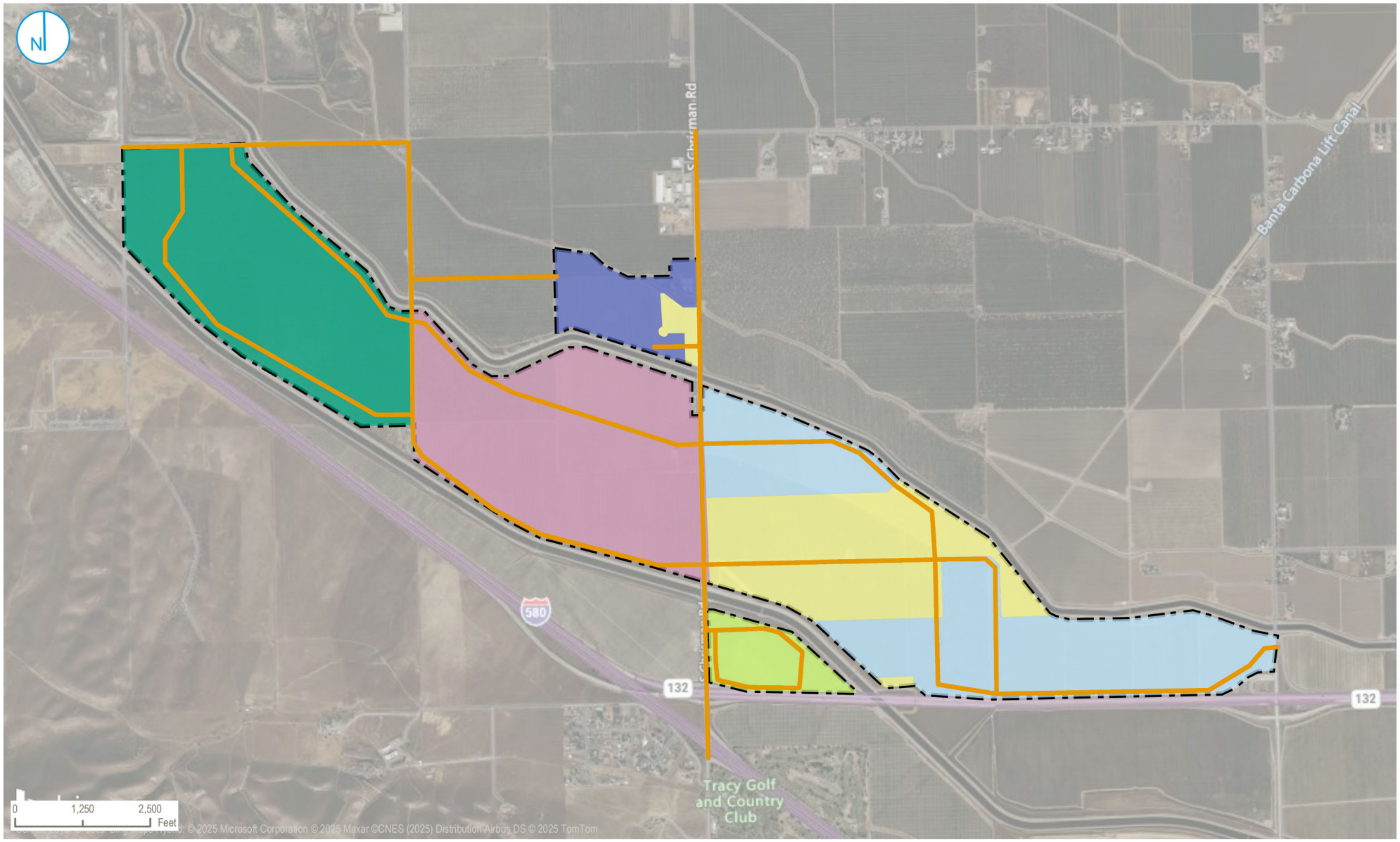
[7] Wastewater facility emissions include emissions from an on-site emergency diesel generator.

[8] SJVAPCD Guidance for Assessing and Mitigating Air Quality Impacts. Available at: https://www.valleyair.org/transportation/GAMAQI-2015/FINAL-DRAFT-GAMAQI.PDF. Accessed: January 2025.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel
CO - carbon monoxide
EMFAC - EMission FACtors model
lbs - pounds
NO_x - nitrogen oxide compounds (NO + NO_2)
$PM_{2.5}$ - particulate matter less than 2.5 microns in diameter
PM_{10} - particulate matter less than 10 microns in diameter
ROG - reactive organic gases
SJVAPCD - San Joaquin Valley Air Pollution Control District
SO_2 - sulfur dioxide
SO_x - sulfur oxide compounds
VOC - volatile organic compounds

FIGURES



Project Boundary

Vendor/Hauling Truck On-Road Sources

Offroad Construction Equipment

Off Road - Pacific Gateway West

Off Road - Pacific Gateway Central

Off Road - Pacific Gateway East

Off Road - Initial Phase of Development

Off Road - Gateway Center

Off Road - University Center

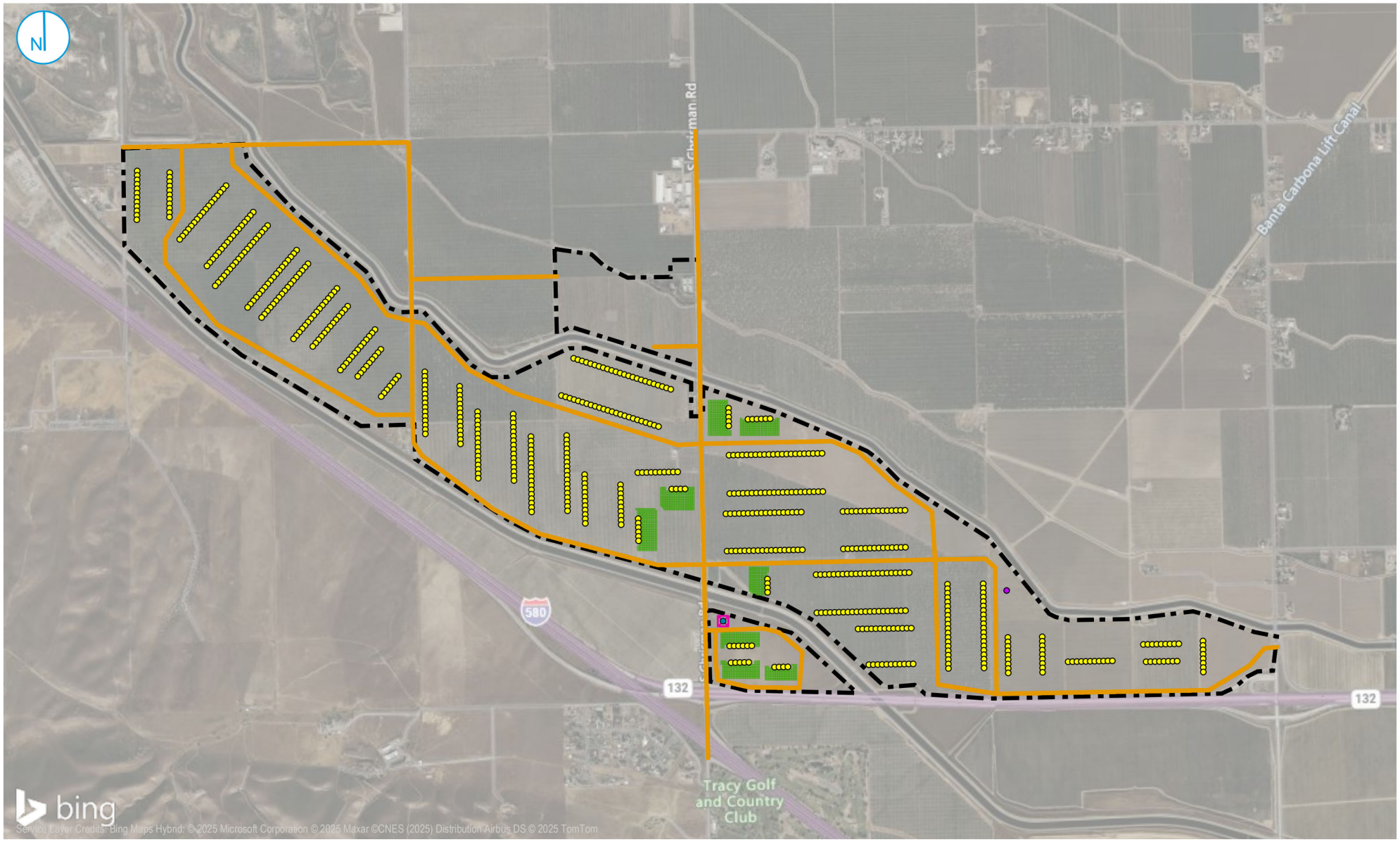
MODELED CONSTRUCTION SOURCES

Pacific Gateway
San Joaquin County, California

FIGURE 01

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL



Project Boundary
GDF Refueling and Spilliage
Offroad Operational Equipment
Warehouse Delivery Truck and TRU On-Road Sources

GDF Breathing and Loading
TRU and Truck Idling
Emergency Generator

0 1,250 2,500 Feet

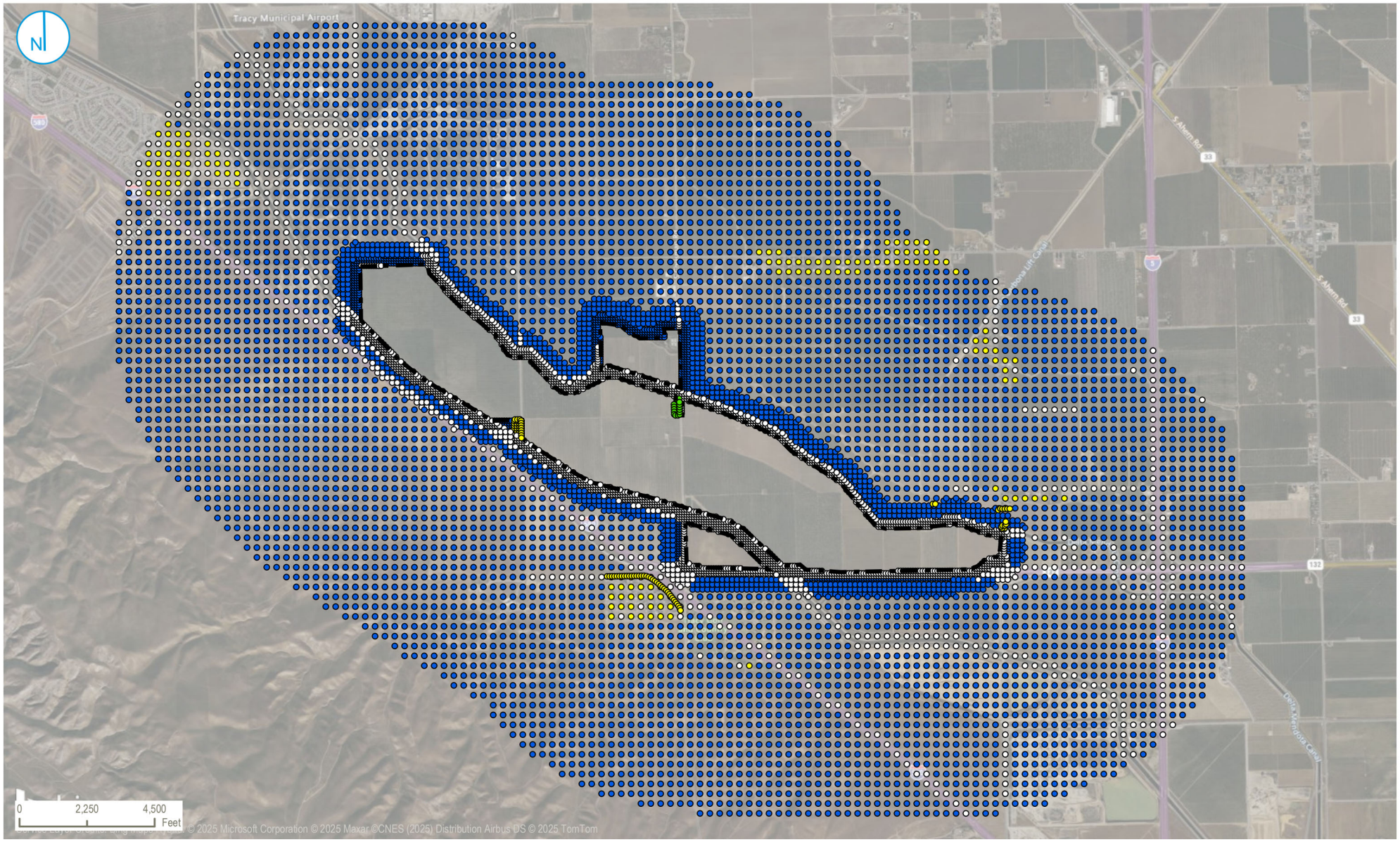
MODELED OPERATION SOURCES

Pacific Gateway
San Joaquin County, California

FIGURE 02

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL



Project Boundary
- Worker
- Residential
- Roadway/Waterway
- Significantly Impacted Receptors

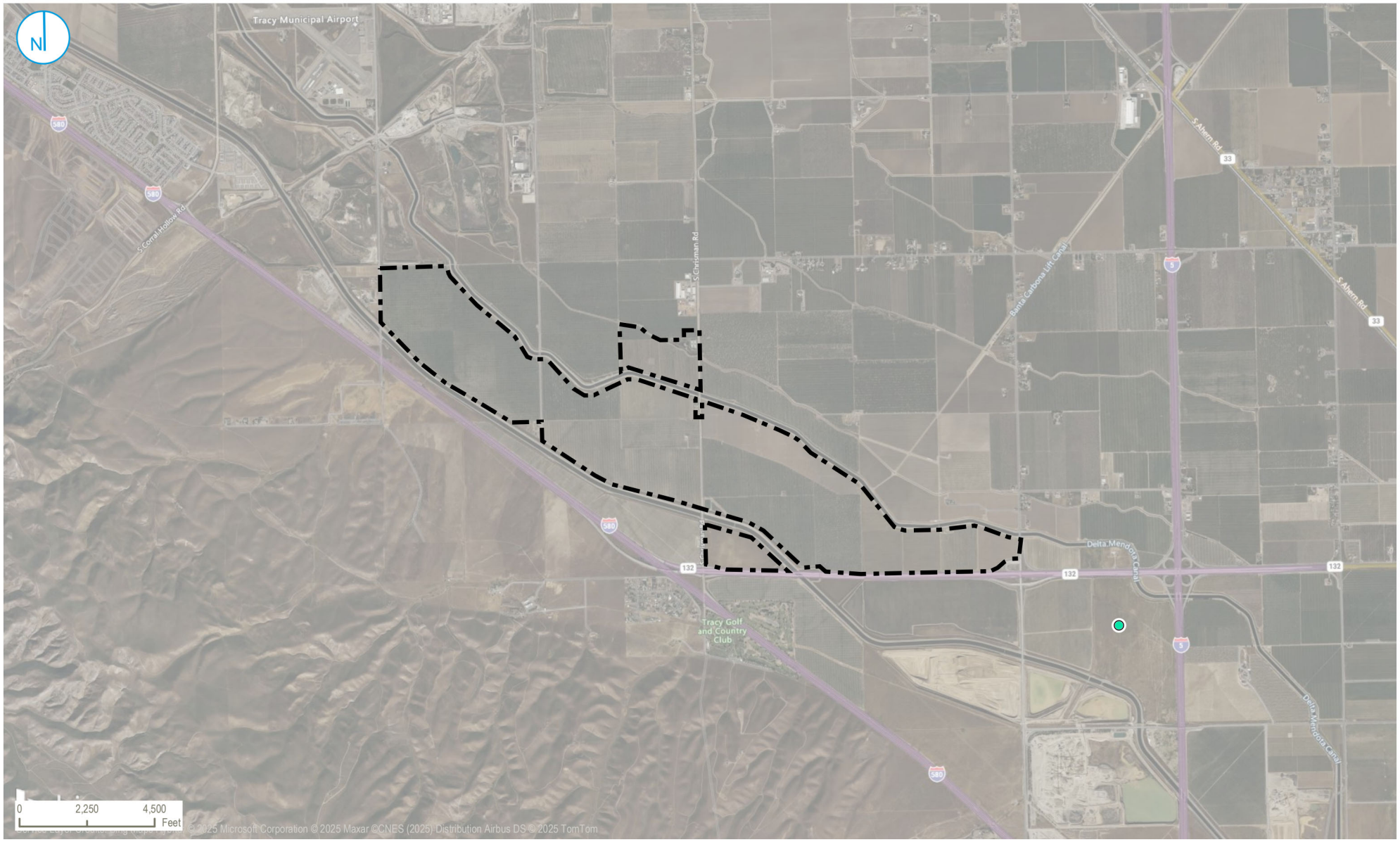
MODELED RECEPTORS

Pacific Gateway
San Joaquin County, California

FIGURE 03

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL



Project Boundary

Meteorological Station

METEOROLOGICAL STATION LOCATION

FIGURE 04

Pacific Gateway
San Joaquin County, California

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

APPENDIX A
CALEEMOD® OUTPUT

Pacific Gateway (Initial Phase Construction) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

3.2. Site Preparation (2026) - Mitigated

3.3. Grading (2026) - Unmitigated

3.4. Grading (2026) - Mitigated

3.5. Building Construction (2026) - Unmitigated

3.6. Building Construction (2026) - Mitigated

3.7. Building Construction (2027) - Unmitigated

3.8. Building Construction (2027) - Mitigated

3.9. Building Construction (2028) - Unmitigated

3.10. Building Construction (2028) - Mitigated

3.11. Building Construction (2029) - Unmitigated

3.12. Building Construction (2029) - Mitigated

3.13. Building Construction (2030) - Unmitigated

3.14. Building Construction (2030) - Mitigated

3.15. Building Construction (2031) - Unmitigated

3.16. Building Construction (2031) - Mitigated

3.17. Paving (2031) - Unmitigated

3.18. Paving (2031) - Mitigated

3.19. Architectural Coating (2031) - Unmitigated

3.20. Architectural Coating (2031) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Pacific Gateway (Initial Phase Construction)
Construction Start Date	1/1/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	6.60
Location	37.649944, -121.397722
County	San Joaquin
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2114
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Office Building	11.5	1000sqft	0.50	11,500	0.00	—	—	—

Other Non-Asphalt Surfaces	1,071	1000sqft	24.6	0.00	0.00	—	—	—
Parking Lot	1,039	1000sqft	24.6	0.00	34,549	—	—	—
University/College (4yr)	400	Student	4.00	25,000	141,239	141,239	—	—
Industrial Park	3,962	1000sqft	82.2	3,962,000	1,296,227	—	—	—
Government Office Building	113	1000sqft	2.60	113,100	0.00	—	—	—
Other Asphalt Surfaces	2,917	1000sqft	67.0	0.00	0.00	—	—	—
City Park	20.3	Acre	20.3	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	198	198	36.9	103	0.16	1.12	19.5	20.2	1.03	4.80	5.42	—	36,659	36,659	0.76	3.41	99.3	37,792
Mit.	73.4	73.2	30.1	105	0.16	0.38	19.5	19.9	0.37	4.80	5.17	—	36,659	36,659	0.76	3.41	99.3	37,792
% Reduced	63%	63%	18%	-2%	—	66%	—	1%	64%	—	5%	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	198	198	39.4	86.2	0.16	1.24	19.8	21.0	1.14	10.1	11.3	—	35,182	35,182	0.83	3.44	2.58	36,232
Mit.	73.2	73.2	32.7	88.2	0.16	0.38	19.8	19.9	0.37	10.1	10.3	—	35,182	35,182	0.83	3.44	2.58	36,232
% Reduced	63%	63%	17%	-2%	—	70%	—	5%	68%	—	9%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	59.0	58.8	31.2	70.8	0.14	0.84	16.7	17.2	0.78	4.50	5.27	—	29,922	29,922	0.65	2.95	32.7	30,850
Mit.	23.2	23.0	25.8	72.5	0.14	0.32	16.7	17.0	0.31	4.50	4.69	—	29,922	29,922	0.65	2.95	32.7	30,850
% Reduced	61%	61%	17%	-2%	—	62%	—	1%	60%	—	11%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.8	10.7	5.69	12.9	0.02	0.15	3.05	3.14	0.14	0.82	0.96	—	4,954	4,954	0.11	0.49	5.41	5,108
Mit.	4.23	4.20	4.71	13.2	0.02	0.06	3.05	3.11	0.06	0.82	0.86	—	4,954	4,954	0.11	0.49	5.41	5,108
% Reduced	61%	61%	17%	-2%	—	62%	—	1%	60%	—	11%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	9.55	8.39	36.9	103	0.16	1.12	19.5	20.2	1.03	4.80	5.42	—	36,659	36,659	0.76	3.41	99.3	37,792
2027	9.16	7.99	34.8	97.0	0.16	0.61	19.5	20.2	0.58	4.80	5.38	—	36,022	36,022	0.72	3.41	88.3	37,143
2028	8.21	7.65	33.5	91.4	0.16	0.57	19.5	20.1	0.55	4.80	5.34	—	35,282	35,282	0.72	3.25	78.1	36,348
2029	7.83	6.68	31.8	86.4	0.16	0.55	19.5	20.1	0.52	4.80	5.32	—	34,526	34,526	0.68	2.81	68.7	35,448
2030	7.49	6.40	30.3	82.0	0.16	0.53	19.5	20.1	0.51	4.80	5.31	—	33,774	33,774	0.55	2.67	60.7	34,644

2031	198	198	29.3	78.0	0.16	0.51	19.5	20.1	0.36	4.80	5.16	—	32,987	32,987	0.51	2.54	53.0	33,808
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	9.10	7.87	39.4	86.2	0.16	1.24	19.8	21.0	1.14	10.1	11.3	—	35,182	35,182	0.83	3.44	2.58	36,232
2027	8.23	7.49	37.4	80.9	0.16	0.61	19.5	20.2	0.58	4.80	5.38	—	34,573	34,573	0.83	3.44	2.29	35,623
2028	7.74	6.68	35.5	76.7	0.16	0.57	19.5	20.1	0.55	4.80	5.34	—	33,865	33,865	0.80	3.31	2.02	34,873
2029	7.44	6.28	34.2	72.6	0.16	0.55	19.5	20.1	0.52	4.80	5.32	—	33,139	33,139	0.76	3.29	1.78	34,141
2030	7.07	5.95	32.7	69.2	0.16	0.53	19.5	20.1	0.51	4.80	5.31	—	32,414	32,414	0.62	3.12	1.57	33,360
2031	198	198	31.2	65.6	0.16	0.51	19.5	20.1	0.36	4.80	5.16	—	31,651	31,651	0.59	2.98	1.37	32,556
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.81	4.12	27.0	42.3	0.08	0.84	12.7	13.5	0.78	4.50	5.27	—	14,235	14,235	0.38	1.07	13.0	14,575
2027	7.06	6.42	31.2	70.8	0.14	0.52	16.7	17.2	0.50	4.09	4.59	—	29,922	29,922	0.65	2.95	32.7	30,850
2028	6.67	5.77	30.0	66.7	0.14	0.49	16.7	17.2	0.47	4.11	4.58	—	29,388	29,388	0.65	2.80	28.9	30,267
2029	6.34	5.36	28.4	63.3	0.14	0.47	16.7	17.2	0.45	4.09	4.54	—	28,680	28,680	0.62	2.79	25.4	29,552
2030	6.12	5.11	27.1	60.1	0.14	0.45	16.7	17.1	0.44	4.09	4.53	—	28,052	28,052	0.50	2.67	22.4	28,884
2031	59.0	58.8	10.5	24.1	0.05	0.20	6.16	6.36	0.16	1.50	1.66	—	9,958	9,958	0.18	0.70	7.00	10,179
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.88	0.75	4.93	7.72	0.01	0.15	2.32	2.47	0.14	0.82	0.96	—	2,357	2,357	0.06	0.18	2.16	2,413
2027	1.29	1.17	5.69	12.9	0.02	0.09	3.05	3.14	0.09	0.75	0.84	—	4,954	4,954	0.11	0.49	5.41	5,108
2028	1.22	1.05	5.48	12.2	0.02	0.09	3.05	3.14	0.09	0.75	0.84	—	4,866	4,866	0.11	0.46	4.79	5,011
2029	1.16	0.98	5.18	11.5	0.02	0.09	3.05	3.13	0.08	0.75	0.83	—	4,748	4,748	0.10	0.46	4.21	4,893
2030	1.12	0.93	4.95	11.0	0.02	0.08	3.05	3.13	0.08	0.75	0.83	—	4,644	4,644	0.08	0.44	3.72	4,782
2031	10.8	10.7	1.91	4.40	0.01	0.04	1.12	1.16	0.03	0.27	0.30	—	1,649	1,649	0.03	0.12	1.16	1,685

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	8.79	7.78	30.1	105	0.16	0.38	19.5	19.9	0.37	4.80	5.17	—	36,659	36,659	0.76	3.41	99.3	37,792
2027	8.44	7.42	28.5	99.0	0.16	0.37	19.5	19.9	0.37	4.80	5.16	—	36,022	36,022	0.72	3.41	88.3	37,143
2028	7.52	7.10	27.6	93.4	0.16	0.36	19.5	19.9	0.36	4.80	5.16	—	35,282	35,282	0.72	3.25	78.1	36,348
2029	7.16	6.16	26.2	88.4	0.16	0.36	19.5	19.9	0.36	4.80	5.15	—	34,526	34,526	0.68	2.81	68.7	35,448
2030	6.85	5.89	24.9	84.0	0.16	0.36	19.5	19.9	0.35	4.80	5.15	—	33,774	33,774	0.55	2.67	60.7	34,644
2031	73.4	73.2	24.2	80.1	0.16	0.35	19.5	19.9	0.22	4.80	5.01	—	32,987	32,987	0.51	2.54	53.0	33,808
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	8.35	7.26	32.7	88.2	0.16	0.38	19.8	19.9	0.37	10.1	10.3	—	35,182	35,182	0.83	3.44	2.58	36,232
2027	7.50	6.91	31.1	83.0	0.16	0.37	19.5	19.9	0.37	4.80	5.16	—	34,573	34,573	0.83	3.44	2.29	35,623
2028	7.06	6.13	29.6	78.7	0.16	0.36	19.5	19.9	0.36	4.80	5.16	—	33,865	33,865	0.80	3.31	2.02	34,873
2029	6.77	5.75	28.6	74.7	0.16	0.36	19.5	19.9	0.36	4.80	5.15	—	33,139	33,139	0.76	3.29	1.78	34,141
2030	6.43	5.44	27.3	71.2	0.16	0.36	19.5	19.9	0.35	4.80	5.15	—	32,414	32,414	0.62	3.12	1.57	33,360
2031	73.2	73.2	26.0	67.7	0.16	0.35	19.5	19.9	0.22	4.80	5.01	—	31,651	31,651	0.59	2.98	1.37	32,556
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	2.97	2.63	12.0	45.9	0.08	0.20	12.7	12.9	0.20	4.50	4.69	—	14,235	14,235	0.38	1.07	13.0	14,575
2027	6.44	5.92	25.8	72.5	0.14	0.32	16.7	17.0	0.31	4.09	4.41	—	29,922	29,922	0.65	2.95	32.7	30,850
2028	6.08	5.30	25.0	68.4	0.14	0.31	16.7	17.0	0.31	4.11	4.42	—	29,388	29,388	0.65	2.80	28.9	30,267
2029	5.77	4.91	23.6	65.0	0.14	0.31	16.7	17.0	0.31	4.09	4.40	—	28,680	28,680	0.62	2.79	25.4	29,552
2030	5.57	4.68	22.5	61.8	0.14	0.31	16.7	17.0	0.30	4.09	4.40	—	28,052	28,052	0.50	2.67	22.4	28,884
2031	23.2	23.0	7.98	24.9	0.05	0.12	6.16	6.28	0.08	1.50	1.58	—	9,958	9,958	0.18	0.70	7.00	10,179
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.54	0.48	2.19	8.38	0.01	0.04	2.32	2.35	0.04	0.82	0.86	—	2,357	2,357	0.06	0.18	2.16	2,413
2027	1.18	1.08	4.71	13.2	0.02	0.06	3.05	3.10	0.06	0.75	0.80	—	4,954	4,954	0.11	0.49	5.41	5,108
2028	1.11	0.97	4.56	12.5	0.02	0.06	3.05	3.11	0.06	0.75	0.81	—	4,866	4,866	0.11	0.46	4.79	5,011

2029	1.05	0.90	4.31	11.9	0.02	0.06	3.05	3.10	0.06	0.75	0.80	—	4,748	4,748	0.10	0.46	4.21	4,893
2030	1.02	0.85	4.11	11.3	0.02	0.06	3.05	3.10	0.06	0.75	0.80	—	4,644	4,644	0.08	0.44	3.72	4,782
2031	4.23	4.20	1.46	4.54	0.01	0.02	1.12	1.15	0.01	0.27	0.29	—	1,649	1,649	0.03	0.12	1.16	1,685

3. Construction Emissions Details

3.1. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.74	3.14	29.2	28.8	0.05	1.24	—	1.24	1.14	—	1.14	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.49	4.55	4.50	0.01	0.19	—	0.19	0.18	—	0.18	—	827	827	0.03	0.01	—	830

Dust From Material Movement	—	—	—	—	—	—	3.07	3.07	—	1.58	1.58	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.83	0.82	< 0.005	0.04	—	0.04	0.03	—	0.03	—	137	137	0.01	< 0.005	—	137
Dust From Material Movement	—	—	—	—	—	—	0.56	0.56	—	0.29	0.29	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.67	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	143	143	< 0.005	0.01	0.01	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.9	22.9	< 0.005	< 0.005	0.04	23.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.80	3.80	< 0.005	< 0.005	0.01	3.85

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.57	3.48	28.2	0.05	0.13	—	0.13	0.13	—	0.13	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	0.54	4.40	0.01	0.02	—	0.02	0.02	—	0.02	—	827	827	0.03	0.01	—	830
Dust From Material Movement	—	—	—	—	—	—	3.07	3.07	—	1.58	1.58	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.10	0.80	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	137	137	0.01	< 0.005	—	137
Dust From Material Movement	—	—	—	—	—	—	0.56	0.56	—	0.29	0.29	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.67	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	143	143	< 0.005	0.01	0.01	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	22.9	22.9	< 0.005	< 0.005	0.04	23.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.80	3.80	< 0.005	< 0.005	0.01	3.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.62	3.04	27.2	27.6	0.06	1.12	—	1.12	1.03	—	1.03	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.62	3.04	27.2	27.6	0.06	1.12	—	1.12	1.03	—	1.03	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.45	1.22	10.9	11.0	0.02	0.45	—	0.45	0.41	—	0.41	—	2,639	2,639	0.11	0.02	—	2,648

Dust From Material Movement	—	—	—	—	—	—	3.68	3.68	—	1.46	1.46	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.22	1.99	2.01	< 0.005	0.08	—	0.08	0.08	—	0.08	—	437	437	0.02	< 0.005	—	438
Dust From Material Movement	—	—	—	—	—	—	0.67	0.67	—	0.27	0.27	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	0.96	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	181	181	< 0.005	0.01	0.62	184
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.76	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	164	164	< 0.005	0.01	0.02	166
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.31	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	67.1	67.1	< 0.005	< 0.005	0.11	68.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.1	11.1	< 0.005	< 0.005	0.02	11.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.79	4.74	35.4	0.06	0.17	—	0.17	0.16	—	0.16	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.79	4.74	35.4	0.06	0.17	—	0.17	0.16	—	0.16	—	6,599	6,599	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.31	1.90	14.2	0.02	0.07	—	0.07	0.07	—	0.07	—	2,639	2,639	0.11	0.02	—	2,648
Dust From Material Movement	—	—	—	—	—	—	3.68	3.68	—	1.46	1.46	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.35	2.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	437	437	0.02	< 0.005	—	438
Dust From Material Movement	—	—	—	—	—	—	0.67	0.67	—	0.27	0.27	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.05	0.96	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	181	181	< 0.005	0.01	0.62	184
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.06	0.76	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	164	164	< 0.005	0.01	0.02	166

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.31	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	67.1	67.1	< 0.005	< 0.005	0.11	68.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.1	11.1	< 0.005	< 0.005	0.02	11.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.28	1.07	9.85	13.0	0.02	0.38	—	0.38	0.35	—	0.35	—	2,397	2,397	0.10	0.02	—	2,405

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.32	2.96	3.90	0.01	0.11	—	0.11	0.10	—	0.10	—	721	721	0.03	0.01	—	723
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.54	0.71	< 0.005	0.02	—	0.02	0.02	—	0.02	—	119	119	< 0.005	< 0.005	—	120
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.28	6.72	4.32	82.6	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	15,527	15,527	0.30	0.56	53.3	15,755
Vendor	0.99	0.60	22.7	7.62	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	18,735	18,735	0.36	2.82	46.0	19,631
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.87	6.23	5.44	65.4	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	14,034	14,034	0.38	0.60	1.38	14,224
Vendor	0.96	0.57	24.1	7.89	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	18,751	18,751	0.36	2.82	1.20	19,602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.05	1.87	1.47	20.1	0.00	0.00	4.31	4.31	0.00	1.01	1.01	—	4,324	4,324	0.10	0.18	6.92	4,387
Vendor	0.29	0.18	7.11	2.33	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	5,633	5,633	0.11	0.85	5.99	5,895

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.34	0.27	3.67	0.00	0.00	0.79	0.79	0.00	0.18	0.18	—	716	716	0.02	0.03	1.14	726
Vendor	0.05	0.03	1.30	0.42	0.01	0.01	0.28	0.30	0.01	0.08	0.09	—	933	933	0.02	0.14	0.99	976
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.47	3.12	15.0	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.47	3.12	15.0	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	0.94	4.50	0.01	0.03	—	0.03	0.03	—	0.03	—	721	721	0.03	0.01	—	723

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.17	0.82	< 0.005	0.01	—	0.01	0.01	—	0.01	—	119	119	< 0.005	< 0.005	—	120
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.28	6.72	4.32	82.6	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	15,527	15,527	0.30	0.56	53.3	15,755
Vendor	0.99	0.60	22.7	7.62	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	18,735	18,735	0.36	2.82	46.0	19,631
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.87	6.23	5.44	65.4	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	14,034	14,034	0.38	0.60	1.38	14,224
Vendor	0.96	0.57	24.1	7.89	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	18,751	18,751	0.36	2.82	1.20	19,602
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.05	1.87	1.47	20.1	0.00	0.00	4.31	4.31	0.00	1.01	1.01	—	4,324	4,324	0.10	0.18	6.92	4,387
Vendor	0.29	0.18	7.11	2.33	0.04	0.08	1.54	1.62	0.08	0.43	0.51	—	5,633	5,633	0.11	0.85	5.99	5,895
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.37	0.34	0.27	3.67	0.00	0.00	0.79	0.79	0.00	0.18	0.18	—	716	716	0.02	0.03	1.14	726
Vendor	0.05	0.03	1.30	0.42	0.01	0.01	0.28	0.30	0.01	0.08	0.09	—	933	933	0.02	0.14	0.99	976
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.23	1.03	9.39	12.9	0.02	0.34	—	0.34	0.31	—	0.31	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	8.05	11.1	0.02	0.29	—	0.29	0.27	—	0.27	—	2,055	2,055	0.08	0.02	—	2,062
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.47	2.02	< 0.005	0.05	—	0.05	0.05	—	0.05	—	340	340	0.01	< 0.005	—	341

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.94	6.38	3.79	76.7	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	15,281	15,281	0.26	0.56	47.9	15,504
Vendor	0.99	0.58	21.7	7.31	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	18,343	18,343	0.36	2.82	40.4	19,234
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.04	5.89	4.92	60.4	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	13,817	13,817	0.38	0.60	1.24	14,006
Vendor	0.96	0.57	23.1	7.58	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	18,360	18,360	0.36	2.82	1.05	19,211
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.18	5.05	3.73	53.3	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	12,138	12,138	0.26	0.51	17.7	12,316
Vendor	0.83	0.49	19.4	6.37	0.12	0.23	4.39	4.63	0.23	1.21	1.45	—	15,729	15,729	0.31	2.42	14.9	16,472
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.94	0.92	0.68	9.73	0.00	0.00	2.24	2.24	0.00	0.53	0.53	—	2,010	2,010	0.04	0.09	2.94	2,039
Vendor	0.15	0.09	3.54	1.16	0.02	0.04	0.80	0.84	0.04	0.22	0.26	—	2,604	2,604	0.05	0.40	2.47	2,727
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.45	3.08	15.0	0.02	0.10	—	0.10	0.09	—	0.09	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.45	3.08	15.0	0.02	0.10	—	0.10	0.09	—	0.09	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.39	2.64	12.8	0.02	0.09	—	0.09	0.08	—	0.08	—	2,055	2,055	0.08	0.02	—	2,062
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.48	2.34	< 0.005	0.02	—	0.02	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	6.94	6.38	3.79	76.7	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	15,281	15,281	0.26	0.56	47.9	15,504
Vendor	0.99	0.58	21.7	7.31	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	18,343	18,343	0.36	2.82	40.4	19,234
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.04	5.89	4.92	60.4	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	13,817	13,817	0.38	0.60	1.24	14,006
Vendor	0.96	0.57	23.1	7.58	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	18,360	18,360	0.36	2.82	1.05	19,211
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.18	5.05	3.73	53.3	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	12,138	12,138	0.26	0.51	17.7	12,316
Vendor	0.83	0.49	19.4	6.37	0.12	0.23	4.39	4.63	0.23	1.21	1.45	—	15,729	15,729	0.31	2.42	14.9	16,472
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.94	0.92	0.68	9.73	0.00	0.00	2.24	2.24	0.00	0.53	0.53	—	2,010	2,010	0.04	0.09	2.94	2,039
Vendor	0.15	0.09	3.54	1.16	0.02	0.04	0.80	0.84	0.04	0.22	0.26	—	2,604	2,604	0.05	0.40	2.47	2,727
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.18	0.99	8.92	12.9	0.02	0.30	—	0.30	0.28	—	0.28	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.02	0.85	7.67	11.1	0.02	0.26	—	0.26	0.24	—	0.24	—	2,061	2,061	0.08	0.02	—	2,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.40	2.03	< 0.005	0.05	—	0.05	0.04	—	0.04	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.19	6.08	3.72	71.4	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	14,985	14,985	0.26	0.56	42.9	15,202
Vendor	0.84	0.58	20.9	6.99	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	17,900	17,900	0.36	2.67	35.2	18,740
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	5.74	5.14	4.39	56.5	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	13,551	13,551	0.34	0.60	1.11	13,740
Vendor	0.82	0.55	22.2	7.25	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	17,916	17,916	0.36	2.69	0.91	18,727
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.96	4.45	3.68	49.5	0.00	0.00	12.3	12.3	0.00	2.89	2.89	—	11,937	11,937	0.26	0.48	15.9	12,104
Vendor	0.69	0.48	18.7	6.11	0.12	0.23	4.41	4.64	0.23	1.22	1.45	—	15,391	15,391	0.31	2.30	13.0	16,096
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.91	0.81	0.67	9.03	0.00	0.00	2.25	2.25	0.00	0.53	0.53	—	1,976	1,976	0.04	0.08	2.63	2,004
Vendor	0.13	0.09	3.41	1.12	0.02	0.04	0.80	0.85	0.04	0.22	0.26	—	2,548	2,548	0.05	0.38	2.16	2,665
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.44	3.04	14.9	0.02	0.09	—	0.09	0.09	—	0.09	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.50	0.44	3.04	14.9	0.02	0.09	—	0.09	0.09	—	0.09	—	2,397	2,397	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.38	2.61	12.8	0.02	0.08	—	0.08	0.08	—	0.08	—	2,061	2,061	0.08	0.02	—	2,068
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.48	2.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.19	6.08	3.72	71.4	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	14,985	14,985	0.26	0.56	42.9	15,202
Vendor	0.84	0.58	20.9	6.99	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	17,900	17,900	0.36	2.67	35.2	18,740
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.74	5.14	4.39	56.5	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	13,551	13,551	0.34	0.60	1.11	13,740
Vendor	0.82	0.55	22.2	7.25	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	17,916	17,916	0.36	2.69	0.91	18,727
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.96	4.45	3.68	49.5	0.00	0.00	12.3	12.3	0.00	2.89	2.89	—	11,937	11,937	0.26	0.48	15.9	12,104
Vendor	0.69	0.48	18.7	6.11	0.12	0.23	4.41	4.64	0.23	1.22	1.45	—	15,391	15,391	0.31	2.30	13.0	16,096
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.91	0.81	0.67	9.03	0.00	0.00	2.25	2.25	0.00	0.53	0.53	—	1,976	1,976	0.04	0.08	2.63	2,004
Vendor	0.13	0.09	3.41	1.12	0.02	0.04	0.80	0.85	0.04	0.22	0.26	—	2,548	2,548	0.05	0.38	2.16	2,665
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2029) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.15	0.97	8.58	12.9	0.02	0.28	—	0.28	0.25	—	0.25	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	0.83	7.36	11.1	0.02	0.24	—	0.24	0.22	—	0.22	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.34	2.02	< 0.005	0.04	—	0.04	0.04	—	0.04	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.85	5.29	3.23	66.7	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	14,708	14,708	0.23	0.11	38.2	14,786
Vendor	0.82	0.43	20.0	6.83	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	17,421	17,421	0.36	2.67	30.5	18,257
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.51	4.91	4.32	52.6	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	13,304	13,304	0.30	0.60	0.99	13,491
Vendor	0.78	0.40	21.3	7.07	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	17,438	17,438	0.36	2.67	0.79	18,244
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.66	4.18	3.22	46.3	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	11,687	11,687	0.23	0.48	14.1	11,850
Vendor	0.69	0.36	17.8	5.94	0.12	0.23	4.39	4.63	0.23	1.21	1.45	—	14,939	14,939	0.31	2.29	11.3	15,640
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.85	0.76	0.59	8.44	0.00	0.00	2.24	2.24	0.00	0.53	0.53	—	1,935	1,935	0.04	0.08	2.33	1,962
Vendor	0.13	0.07	3.25	1.08	0.02	0.04	0.80	0.84	0.04	0.22	0.26	—	2,473	2,473	0.05	0.38	1.88	2,589
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2029) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.44	3.02	14.9	0.02	0.09	—	0.09	0.09	—	0.09	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.44	3.02	14.9	0.02	0.09	—	0.09	0.09	—	0.09	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.37	2.59	12.8	0.02	0.08	—	0.08	0.07	—	0.07	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.47	2.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.85	5.29	3.23	66.7	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	14,708	14,708	0.23	0.11	38.2	14,786
Vendor	0.82	0.43	20.0	6.83	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	17,421	17,421	0.36	2.67	30.5	18,257
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.51	4.91	4.32	52.6	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	13,304	13,304	0.30	0.60	0.99	13,491
Vendor	0.78	0.40	21.3	7.07	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	17,438	17,438	0.36	2.67	0.79	18,244
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.66	4.18	3.22	46.3	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	11,687	11,687	0.23	0.48	14.1	11,850
Vendor	0.69	0.36	17.8	5.94	0.12	0.23	4.39	4.63	0.23	1.21	1.45	—	14,939	14,939	0.31	2.29	11.3	15,640
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.85	0.76	0.59	8.44	0.00	0.00	2.24	2.24	0.00	0.53	0.53	—	1,935	1,935	0.04	0.08	2.33	1,962
Vendor	0.13	0.07	3.25	1.08	0.02	0.04	0.80	0.84	0.04	0.22	0.26	—	2,473	2,473	0.05	0.38	1.88	2,589
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2030) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	8.39	12.9	0.02	0.26	—	0.26	0.24	—	0.24	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	0.94	8.39	12.9	0.02	0.26	—	0.26	0.24	—	0.24	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.81	7.19	11.0	0.02	0.22	—	0.22	0.21	—	0.21	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.31	2.02	< 0.005	0.04	—	0.04	0.04	—	0.04	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.55	5.02	2.74	62.4	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	14,463	14,463	0.23	0.11	33.8	14,537
Vendor	0.82	0.43	19.2	6.68	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	16,914	16,914	0.22	2.54	26.9	17,702
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.17	4.61	3.83	49.4	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	13,086	13,086	0.30	0.56	0.87	13,262
Vendor	0.78	0.40	20.5	6.90	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	16,931	16,931	0.22	2.54	0.70	17,693
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.46	3.95	2.80	43.2	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	11,494	11,494	0.23	0.48	12.5	11,656
Vendor	0.69	0.36	17.2	5.81	0.12	0.23	4.39	4.63	0.23	1.21	1.45	—	14,504	14,504	0.19	2.18	9.94	15,167
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.81	0.72	0.51	7.89	0.00	0.00	2.24	2.24	0.00	0.53	0.53	—	1,903	1,903	0.04	0.08	2.07	1,930
Vendor	0.13	0.07	3.13	1.06	0.02	0.04	0.80	0.84	0.04	0.22	0.26	—	2,401	2,401	0.03	0.36	1.65	2,511
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2030) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.48	0.43	3.00	14.9	0.02	0.09	—	0.09	0.08	—	0.08	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.43	3.00	14.9	0.02	0.09	—	0.09	0.08	—	0.08	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.37	2.57	12.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.47	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.55	5.02	2.74	62.4	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	14,463	14,463	0.23	0.11	33.8	14,537
Vendor	0.82	0.43	19.2	6.68	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	16,914	16,914	0.22	2.54	26.9	17,702
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.17	4.61	3.83	49.4	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	13,086	13,086	0.30	0.56	0.87	13,262
Vendor	0.78	0.40	20.5	6.90	0.14	0.27	5.14	5.41	0.27	1.42	1.69	—	16,931	16,931	0.22	2.54	0.70	17,693
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.46	3.95	2.80	43.2	0.00	0.00	12.3	12.3	0.00	2.88	2.88	—	11,494	11,494	0.23	0.48	12.5	11,656
Vendor	0.69	0.36	17.2	5.81	0.12	0.23	4.39	4.63	0.23	1.21	1.45	—	14,504	14,504	0.19	2.18	9.94	15,167
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.81	0.72	0.51	7.89	0.00	0.00	2.24	2.24	0.00	0.53	0.53	—	1,903	1,903	0.04	0.08	2.07	1,930
Vendor	0.13	0.07	3.13	1.06	0.02	0.04	0.80	0.84	0.04	0.22	0.26	—	2,401	2,401	0.03	0.36	1.65	2,511
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.10	0.92	8.12	12.8	0.02	0.24	—	0.24	0.22	—	0.22	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.30	0.25	2.21	3.50	0.01	0.07	—	0.07	0.06	—	0.06	—	653	653	0.03	0.01	—	655
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.05	0.05	0.40	0.64	< 0.005	0.01	—	0.01	0.01	—	0.01	—	108	108	< 0.005	< 0.005	—	108
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.25	4.72	2.67	58.6	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	14,207	14,207	0.19	0.11	29.8	14,276
Vendor	0.82	0.43	18.5	6.51	0.14	0.27	5.14	5.41	0.14	1.42	1.56	—	16,383	16,383	0.22	2.40	23.2	17,127
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.46	4.34	3.31	46.2	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	12,854	12,854	0.26	0.56	0.77	13,029
Vendor	0.78	0.40	19.7	6.59	0.14	0.27	5.14	5.41	0.14	1.42	1.56	—	16,400	16,400	0.22	2.40	0.60	17,122
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	1.22	1.19	0.87	12.9	0.00	0.00	3.91	3.91	0.00	0.92	0.92	—	3,588	3,588	0.06	0.03	3.50	3,603
Vendor	0.22	0.11	5.24	1.76	0.04	0.07	1.40	1.47	0.04	0.39	0.42	—	4,465	4,465	0.06	0.65	2.73	4,664
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.22	0.16	2.35	0.00	0.00	0.71	0.71	0.00	0.17	0.17	—	594	594	0.01	0.01	0.58	596
Vendor	0.04	0.02	0.96	0.32	0.01	0.01	0.25	0.27	0.01	0.07	0.08	—	739	739	0.01	0.11	0.45	772
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.43	2.99	14.9	0.02	0.08	—	0.08	0.08	—	0.08	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.43	2.99	14.9	0.02	0.08	—	0.08	0.08	—	0.08	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.13	0.12	0.81	4.06	0.01	0.02	—	0.02	0.02	—	0.02	—	653	653	0.03	0.01	—	655
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.74	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	108	108	< 0.005	< 0.005	—	108
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.25	4.72	2.67	58.6	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	14,207	14,207	0.19	0.11	29.8	14,276
Vendor	0.82	0.43	18.5	6.51	0.14	0.27	5.14	5.41	0.14	1.42	1.56	—	16,383	16,383	0.22	2.40	23.2	17,127
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.46	4.34	3.31	46.2	0.00	0.00	14.4	14.4	0.00	3.38	3.38	—	12,854	12,854	0.26	0.56	0.77	13,029
Vendor	0.78	0.40	19.7	6.59	0.14	0.27	5.14	5.41	0.14	1.42	1.56	—	16,400	16,400	0.22	2.40	0.60	17,122
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.22	1.19	0.87	12.9	0.00	0.00	3.91	3.91	0.00	0.92	0.92	—	3,588	3,588	0.06	0.03	3.50	3,603
Vendor	0.22	0.11	5.24	1.76	0.04	0.07	1.40	1.47	0.04	0.39	0.42	—	4,465	4,465	0.06	0.65	2.73	4,664
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.22	0.16	2.35	0.00	0.00	0.71	0.71	0.00	0.17	0.17	—	594	594	0.01	0.01	0.58	596
Vendor	0.04	0.02	0.96	0.32	0.01	0.01	0.25	0.27	0.01	0.07	0.08	—	739	739	0.01	0.11	0.45	772

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Paving (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.63	6.13	9.88	0.01	0.21	—	0.21	0.19	—	0.19	—	1,511	1,511	0.06	0.01	—	1,516
Paving	2.31	2.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.21	0.18	1.75	2.82	< 0.005	0.06	—	0.06	0.05	—	0.05	—	430	430	0.02	< 0.005	—	432
Paving	0.66	0.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.32	0.51	< 0.005	0.01	—	0.01	0.01	—	0.01	—	71.3	71.3	< 0.005	< 0.005	—	71.5
Paving	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.02	0.51	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.26	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	32.8	32.8	< 0.005	< 0.005	0.03	33.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.44	5.44	< 0.005	< 0.005	0.01	5.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Paving (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.37	0.33	2.27	10.6	0.01	0.08	—	0.08	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	2.31	2.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.65	3.01	< 0.005	0.02	—	0.02	0.02	—	0.02	—	430	430	0.02	< 0.005	—	432
Paving	0.66	0.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.12	0.55	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	71.3	71.3	< 0.005	< 0.005	—	71.5
Paving	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.02	0.51	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.26	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	32.8	32.8	< 0.005	< 0.005	0.03	33.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.44	5.44	< 0.005	< 0.005	0.01	5.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Architectural Coating (2031) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	197	197	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	197	197	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.22	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	38.0	38.0	< 0.005	< 0.005	—	38.2
Architectural Coatings	56.1	56.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.30	6.30	< 0.005	< 0.005	—	6.32
Architectural Coatings	10.2	10.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	0.94	0.53	11.7	0.00	0.00	2.88	2.88	0.00	0.68	0.68	—	2,841	2,841	0.04	0.02	5.95	2,855
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.89	0.87	0.66	9.23	0.00	0.00	2.88	2.88	0.00	0.68	0.68	—	2,571	2,571	0.05	0.11	0.15	2,606
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.25	0.18	2.70	0.00	0.00	0.82	0.82	0.00	0.19	0.19	—	751	751	0.01	0.01	0.73	754
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.49	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.12	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Architectural Coating (2031) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	72.2	72.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	1.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	72.2	72.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.22	0.31	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	38.0	38.0	< 0.005	< 0.005	—	38.2
Architectural Coatings	20.6	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.30	6.30	< 0.005	< 0.005	—	6.32
Architectural Coatings	3.75	3.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	0.94	0.53	11.7	0.00	0.00	2.88	2.88	0.00	0.68	0.68	—	2,841	2,841	0.04	0.02	5.95	2,855
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.89	0.87	0.66	9.23	0.00	0.00	2.88	2.88	0.00	0.68	0.68	—	2,571	2,571	0.05	0.11	0.15	2,606
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.25	0.18	2.70	0.00	0.00	0.82	0.82	0.00	0.19	0.19	—	751	751	0.01	0.01	0.73	754
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.49	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.12	125
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2026	3/7/2026	6.00	57.0	—
Grading	Grading	3/9/2026	8/25/2026	6.00	146	—
Building Construction	Building Construction	8/26/2026	4/26/2031	6.00	1,462	—
Paving	Paving	4/28/2031	8/26/2031	6.00	104	—
Architectural Coating	Architectural Coating	8/27/2031	12/25/2031	6.00	104	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29

Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.9	LDA,LDT1,LDT2
Grading	Vendor	—	9.10	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,714	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	674	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	343	11.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.9	LDA,LDT1,LDT2
Grading	Vendor	—	9.10	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,714	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	674	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT

Architectural Coating	—	—	—	—
Architectural Coating	Worker	343	11.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	6,167,400	2,055,800	303,575

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	85.5	0.00	—
Grading	—	—	438	0.00	—
Paving	0.00	0.00	0.00	0.00	116

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt

General Office Building	0.00	0%
Other Non-Asphalt Surfaces	24.6	0%
Parking Lot	24.6	100%
University/College (4yr)	0.00	0%
Industrial Park	0.00	0%
Government Office Building	0.00	0%
Other Asphalt Surfaces	67.0	100%
City Park	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	204	0.03	< 0.005
2027	0.00	204	0.03	< 0.005
2028	0.00	204	0.03	< 0.005
2029	0.00	204	0.03	< 0.005
2030	0.00	204	0.03	< 0.005
2031	0.00	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	22.1	annual days of extreme heat
Extreme Precipitation	0.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	19.7	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A

Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	61.0
AQ-PM	26.8
AQ-DPM	15.7
Drinking Water	60.1
Lead Risk Housing	17.3
Pesticides	83.8
Toxic Releases	18.1
Traffic	25.4
Effect Indicators	—
CleanUp Sites	89.4
Groundwater	97.2

Haz Waste Facilities/Generators	99.4
Impaired Water Bodies	93.4
Solid Waste	93.2
Sensitive Population	—
Asthma	25.2
Cardio-vascular	50.6
Low Birth Weights	52.4
Socioeconomic Factor Indicators	—
Education	68.6
Housing	5.48
Linguistic	31.3
Poverty	21.3
Unemployment	45.8

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	76.83818812
Employed	76.27357885
Median HI	87.89939689
Education	—
Bachelor's or higher	55.29321186
High school enrollment	100
Preschool enrollment	5.222635699
Transportation	—
Auto Access	78.96830489
Active commuting	55.15205954

Social	—
2-parent households	47.76081098
Voting	78.15988708
Neighborhood	—
Alcohol availability	84.49890928
Park access	5.902733222
Retail density	2.746054151
Supermarket access	10.85589632
Tree canopy	64.58360067
Housing	—
Homeownership	65.75131528
Housing habitability	87.28345951
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	88.64365456
Uncrowded housing	49.60862312
Health Outcomes	—
Insured adults	73.18105993
Arthritis	0.0
Asthma ER Admissions	60.1
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	51.5
Cognitively Disabled	82.5
Physically Disabled	52.4

Heart Attack ER Admissions	58.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	75.9
English Speaking	47.9
Foreign-born	13.3
Outdoor Workers	22.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	93.9
Traffic Density	13.8
Traffic Access	0.0
Other Indices	—
Hardship	42.3
Other Decision Support	—
2016 Voting	72.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0
Healthy Places Index Score for Project Location (b)	70.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Land uses are based on Project-specific information.
Construction: Construction Phases	Project-specific schedule.

Pacific Gateway (Remaining East Development Area Construction) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Site Preparation (2032) - Unmitigated

3.2. Site Preparation (2032) - Mitigated

3.3. Grading (2032) - Unmitigated

3.4. Grading (2032) - Mitigated

3.5. Building Construction (2032) - Unmitigated

3.6. Building Construction (2032) - Mitigated

3.7. Building Construction (2033) - Unmitigated

3.8. Building Construction (2033) - Mitigated

3.9. Building Construction (2034) - Unmitigated

3.10. Building Construction (2034) - Mitigated

3.11. Building Construction (2035) - Unmitigated

3.12. Building Construction (2035) - Mitigated

3.13. Building Construction (2036) - Unmitigated

3.14. Building Construction (2036) - Mitigated

3.15. Building Construction (2037) - Unmitigated

3.16. Building Construction (2037) - Mitigated

3.17. Building Construction (2038) - Unmitigated

3.18. Building Construction (2038) - Mitigated

3.19. Building Construction (2039) - Unmitigated

3.20. Building Construction (2039) - Mitigated

3.21. Paving (2039) - Unmitigated

3.22. Paving (2039) - Mitigated

3.23. Architectural Coating (2039) - Unmitigated

3.24. Architectural Coating (2039) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Pacific Gateway (Remaining East Development Area Construction)
Construction Start Date	1/1/2032
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	6.60
Location	37.649944, -121.397722
County	San Joaquin
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2114
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	7,162	1000sqft	235	7,162,300	1,362,000	—	—	—
Parking Lot	1,649	1000sqft	37.8	0.00	0.00	—	—	—

Other Non-Asphalt Surfaces	1,104	1000sqft	25.3	0.00	0.00	—	—	—
City Park	36.4	Acre	36.4	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	3,554	1000sqft	81.6	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	255	254	41.5	117	0.26	0.79	34.2	34.7	0.73	8.40	8.82	—	53,440	53,440	0.82	4.17	68.8	54,772
Mit.	86.2	86.0	36.8	119	0.26	0.32	34.2	34.5	0.31	8.40	8.71	—	53,440	53,440	0.82	4.17	68.8	54,772
% Reduced	66%	66%	11%	-2%	—	60%	—	< 0.5%	57%	—	1%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	255	254	46.7	101	0.26	0.93	34.2	34.7	0.85	10.1	11.0	—	52,333	52,333	0.95	4.40	2.08	53,671
Mit.	86.2	86.0	41.8	103	0.26	0.32	34.2	34.5	0.31	10.1	10.2	—	52,333	52,333	0.95	4.40	2.08	53,671
% Reduced	66%	66%	10%	-2%	—	66%	—	< 0.5%	63%	—	7%	—	—	—	—	—	—	—

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	97.9	97.7	37.4	84.9	0.22	0.67	29.3	29.6	0.62	7.19	7.53	—	44,307	44,307	0.76	3.57	25.5	45,416
Mit.	34.1	33.9	33.4	86.7	0.22	0.27	29.3	29.6	0.27	7.19	7.45	—	44,307	44,307	0.76	3.57	25.5	45,416
% Reduced	65%	65%	11%	-2%	—	60%	—	< 0.5%	57%	—	1%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.9	17.8	6.83	15.5	0.04	0.12	5.35	5.41	0.11	1.31	1.37	—	7,335	7,335	0.13	0.59	4.21	7,519
Mit.	6.22	6.19	6.09	15.8	0.04	0.05	5.35	5.40	0.05	1.31	1.36	—	7,335	7,335	0.13	0.59	4.21	7,519
% Reduced	65%	65%	11%	-2%	—	60%	—	< 0.5%	57%	—	1%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	3.10	2.61	19.4	26.4	0.06	0.79	9.37	10.2	0.73	3.69	4.42	—	6,760	6,760	0.27	0.05	0.30	6,783
2033	9.86	9.12	41.5	117	0.26	0.44	34.2	34.7	0.42	8.40	8.82	—	53,440	53,440	0.82	4.17	68.8	54,772
2034	9.38	8.64	40.2	113	0.26	0.43	34.2	34.7	0.41	8.40	8.81	—	52,318	52,318	0.75	4.17	58.6	53,637
2035	9.23	8.56	39.2	108	0.26	0.42	34.2	34.6	0.40	8.40	8.80	—	51,282	51,282	0.75	3.93	49.6	52,522
2036	8.99	8.25	38.3	104	0.26	0.40	34.2	34.6	0.39	8.40	8.79	—	50,350	50,350	0.75	3.93	41.6	51,582
2037	8.64	7.91	36.8	102	0.26	0.39	34.2	34.6	0.38	8.40	8.78	—	49,524	49,524	0.75	3.93	34.5	50,750
2038	8.43	7.70	36.0	99.9	0.26	0.39	34.2	34.6	0.38	8.40	8.77	—	48,697	48,697	0.75	3.70	28.6	49,846
2039	255	254	5.32	16.1	0.01	0.11	5.05	5.06	0.10	1.18	1.19	—	4,696	4,696	0.06	0.04	2.98	4,712
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2032	9.88	8.86	46.7	101	0.26	0.93	34.2	34.7	0.85	10.1	11.0	—	52,333	52,333	0.95	4.40	2.08	53,671
2033	9.30	8.51	44.5	96.6	0.26	0.44	34.2	34.7	0.42	8.40	8.82	—	51,165	51,165	0.89	4.17	1.78	52,430
2034	8.95	8.23	43.4	92.7	0.26	0.43	34.2	34.7	0.41	8.40	8.81	—	50,073	50,073	0.89	4.17	1.52	51,339
2035	8.80	8.08	42.1	89.7	0.26	0.42	34.2	34.6	0.40	8.40	8.80	—	49,064	49,064	0.89	3.93	1.29	50,259
2036	8.64	7.93	40.4	87.0	0.26	0.40	34.2	34.6	0.39	8.40	8.79	—	48,155	48,155	0.82	3.93	1.08	49,349
2037	8.36	7.65	39.4	84.2	0.26	0.39	34.2	34.6	0.38	8.40	8.78	—	47,351	47,351	0.82	3.93	0.89	48,544
2038	8.02	6.53	38.8	81.9	0.26	0.39	34.2	34.6	0.38	8.40	8.77	—	46,546	46,546	0.79	3.70	0.74	47,668
2039	255	254	38.2	80.2	0.26	0.38	34.2	34.6	0.37	8.40	8.77	—	45,908	45,908	0.79	3.70	0.61	47,031
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	3.51	3.03	20.4	31.7	0.07	0.67	13.2	13.8	0.62	5.06	5.67	—	11,052	11,052	0.30	0.57	4.25	11,232
2033	7.96	7.32	37.4	84.9	0.22	0.38	29.2	29.6	0.36	7.17	7.53	—	44,307	44,307	0.76	3.57	25.5	45,416
2034	7.60	6.96	35.6	81.1	0.22	0.37	29.2	29.6	0.35	7.17	7.52	—	43,365	43,365	0.70	3.57	21.7	44,468
2035	7.58	6.89	34.7	78.7	0.22	0.36	29.2	29.6	0.34	7.17	7.51	—	42,494	42,494	0.70	3.37	18.3	43,534
2036	7.47	6.84	33.9	76.1	0.22	0.35	29.3	29.6	0.34	7.19	7.52	—	41,825	41,825	0.70	3.38	15.4	42,866
2037	7.16	6.53	33.1	73.6	0.22	0.34	29.2	29.6	0.33	7.17	7.50	—	41,017	41,017	0.70	3.37	12.8	42,052
2038	6.92	6.29	32.5	72.4	0.22	0.33	29.2	29.6	0.32	7.17	7.49	—	40,323	40,323	0.65	3.17	10.6	41,294
2039	97.9	97.7	5.36	14.9	0.03	0.07	4.51	4.58	0.07	1.09	1.15	—	5,748	5,748	0.10	0.30	1.26	5,841
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.64	0.55	3.72	5.79	0.01	0.12	2.40	2.52	0.11	0.92	1.04	—	1,830	1,830	0.05	0.09	0.70	1,860
2033	1.45	1.34	6.83	15.5	0.04	0.07	5.33	5.40	0.07	1.31	1.37	—	7,335	7,335	0.13	0.59	4.21	7,519
2034	1.39	1.27	6.50	14.8	0.04	0.07	5.33	5.40	0.06	1.31	1.37	—	7,179	7,179	0.12	0.59	3.59	7,362
2035	1.38	1.26	6.34	14.4	0.04	0.06	5.33	5.40	0.06	1.31	1.37	—	7,035	7,035	0.12	0.56	3.03	7,208
2036	1.36	1.25	6.19	13.9	0.04	0.06	5.35	5.41	0.06	1.31	1.37	—	6,925	6,925	0.12	0.56	2.55	7,097
2037	1.31	1.19	6.04	13.4	0.04	0.06	5.33	5.39	0.06	1.31	1.37	—	6,791	6,791	0.12	0.56	2.12	6,962
2038	1.26	1.15	5.94	13.2	0.04	0.06	5.33	5.39	0.06	1.31	1.37	—	6,676	6,676	0.11	0.52	1.75	6,837
2039	17.9	17.8	0.98	2.72	< 0.005	0.01	0.82	0.84	0.01	0.20	0.21	—	952	952	0.02	0.05	0.21	967

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.82	0.79	4.71	36.0	0.06	0.14	9.37	9.51	0.14	3.69	3.83	—	6,760	6,760	0.27	0.05	0.30	6,783
2033	9.28	8.66	36.8	119	0.26	0.32	34.2	34.5	0.31	8.40	8.71	—	53,440	53,440	0.82	4.17	68.8	54,772
2034	8.82	8.19	35.6	115	0.26	0.31	34.2	34.5	0.31	8.40	8.71	—	52,318	52,318	0.75	4.17	58.6	53,637
2035	8.68	8.13	34.8	111	0.26	0.31	34.2	34.5	0.31	8.40	8.71	—	51,282	51,282	0.75	3.93	49.6	52,522
2036	8.46	7.83	34.1	107	0.26	0.31	34.2	34.5	0.31	8.40	8.71	—	50,350	50,350	0.75	3.93	41.6	51,582
2037	8.12	7.50	32.7	104	0.26	0.31	34.2	34.5	0.31	8.40	8.71	—	49,524	49,524	0.75	3.93	34.5	50,750
2038	7.92	7.30	32.1	102	0.26	0.31	34.2	34.5	0.31	8.40	8.71	—	48,697	48,697	0.75	3.70	28.6	49,846
2039	86.2	86.0	2.16	16.1	0.01	0.05	5.05	5.06	0.05	1.18	1.19	—	4,696	4,696	0.06	0.04	2.98	4,712
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	9.28	8.39	41.8	103	0.26	0.32	34.2	34.5	0.31	10.1	10.2	—	52,333	52,333	0.95	4.40	2.08	53,671
2033	8.71	8.05	39.8	98.7	0.26	0.32	34.2	34.5	0.31	8.40	8.71	—	51,165	51,165	0.89	4.17	1.78	52,430
2034	8.38	7.78	38.9	94.8	0.26	0.31	34.2	34.5	0.31	8.40	8.71	—	50,073	50,073	0.89	4.17	1.52	51,339
2035	8.25	7.65	37.7	91.9	0.26	0.31	34.2	34.5	0.31	8.40	8.71	—	49,064	49,064	0.89	3.93	1.29	50,259
2036	8.11	7.52	36.3	89.3	0.26	0.31	34.2	34.5	0.31	8.40	8.71	—	48,155	48,155	0.82	3.93	1.08	49,349
2037	7.85	7.25	35.4	86.6	0.26	0.31	34.2	34.5	0.31	8.40	8.71	—	47,351	47,351	0.82	3.93	0.89	48,544
2038	7.51	6.13	34.8	84.3	0.26	0.31	34.2	34.5	0.31	8.40	8.71	—	46,546	46,546	0.79	3.70	0.74	47,668
2039	86.2	86.0	34.4	82.7	0.26	0.31	34.2	34.5	0.31	8.40	8.71	—	45,908	45,908	0.79	3.70	0.61	47,031
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	1.66	1.54	7.86	37.6	0.07	0.13	13.2	13.3	0.13	5.06	5.19	—	11,052	11,052	0.30	0.57	4.25	11,232
2033	7.46	6.92	33.4	86.7	0.22	0.27	29.2	29.5	0.27	7.17	7.44	—	44,307	44,307	0.76	3.57	25.5	45,416
2034	7.11	6.58	31.7	82.9	0.22	0.27	29.2	29.5	0.27	7.17	7.44	—	43,365	43,365	0.70	3.57	21.7	44,468

2035	7.11	6.52	31.0	80.6	0.22	0.27	29.2	29.5	0.27	7.17	7.43	—	42,494	42,494	0.70	3.37	18.3	43,534
2036	7.02	6.48	30.3	78.0	0.22	0.27	29.3	29.6	0.27	7.19	7.45	—	41,825	41,825	0.70	3.38	15.4	42,866
2037	6.71	6.18	29.7	75.7	0.22	0.27	29.2	29.5	0.26	7.17	7.43	—	41,017	41,017	0.70	3.37	12.8	42,052
2038	6.49	5.95	29.2	74.5	0.22	0.27	29.2	29.5	0.26	7.17	7.43	—	40,323	40,323	0.65	3.17	10.6	41,294
2039	34.1	33.9	3.88	15.4	0.03	0.04	4.51	4.56	0.04	1.09	1.13	—	5,748	5,748	0.10	0.30	1.26	5,841
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.30	0.28	1.43	6.87	0.01	0.02	2.40	2.43	0.02	0.92	0.95	—	1,830	1,830	0.05	0.09	0.70	1,860
2033	1.36	1.26	6.09	15.8	0.04	0.05	5.33	5.38	0.05	1.31	1.36	—	7,335	7,335	0.13	0.59	4.21	7,519
2034	1.30	1.20	5.79	15.1	0.04	0.05	5.33	5.38	0.05	1.31	1.36	—	7,179	7,179	0.12	0.59	3.59	7,362
2035	1.30	1.19	5.65	14.7	0.04	0.05	5.33	5.38	0.05	1.31	1.36	—	7,035	7,035	0.12	0.56	3.03	7,208
2036	1.28	1.18	5.53	14.2	0.04	0.05	5.35	5.40	0.05	1.31	1.36	—	6,925	6,925	0.12	0.56	2.55	7,097
2037	1.23	1.13	5.41	13.8	0.04	0.05	5.33	5.38	0.05	1.31	1.36	—	6,791	6,791	0.12	0.56	2.12	6,962
2038	1.18	1.09	5.32	13.6	0.04	0.05	5.33	5.38	0.05	1.31	1.36	—	6,676	6,676	0.11	0.52	1.75	6,837
2039	6.22	6.19	0.71	2.80	< 0.005	0.01	0.82	0.83	0.01	0.20	0.21	—	952	952	0.02	0.05	0.21	967

3. Construction Emissions Details

3.1. Site Preparation (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	2.70	22.3	25.7	0.05	0.93	—	0.93	0.85	—	0.85	—	5,296	5,296	0.21	0.04	—	5,314

Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.66	0.56	4.58	5.29	0.01	0.19	—	0.19	0.17	—	0.17	—	1,088	1,088	0.04	0.01	—	1,092
Dust From Material Movement	—	—	—	—	—	—	4.04	4.04	—	2.08	2.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.84	0.97	< 0.005	0.03	—	0.03	0.03	—	0.03	—	180	180	0.01	< 0.005	—	181
Dust From Material Movement	—	—	—	—	—	—	0.74	0.74	—	0.38	0.38	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.45	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	130	130	< 0.005	< 0.005	0.01	130

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	27.3	27.3	< 0.005	< 0.005	0.02	27.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.52	4.52	< 0.005	< 0.005	< 0.005	4.53
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.53	5.82	0.01	0.02	—	0.02	0.02	—	0.02	—	1,088	1,088	0.04	0.01	—	1,092
Dust From Material Movement	—	—	—	—	—	—	4.04	4.04	—	2.08	2.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.10	1.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	180	180	0.01	< 0.005	—	181
Dust From Material Movement	—	—	—	—	—	—	0.74	0.74	—	0.38	0.38	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.45	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	130	130	< 0.005	< 0.005	0.01	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	27.3	27.3	< 0.005	< 0.005	0.02	27.4

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	4.52	4.52	< 0.005	< 0.005	< 0.005	4.53
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.05	2.56	19.4	25.8	0.06	0.79	—	0.79	0.73	—	0.73	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.05	2.56	19.4	25.8	0.06	0.79	—	0.79	0.73	—	0.73	—	6,596	6,596	0.27	0.05	—	6,619

Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.63	1.37	10.4	13.8	0.03	0.42	—	0.42	0.39	—	0.39	—	3,524	3,524	0.14	0.03	—	3,536
Dust From Material Movement	—	—	—	—	—	—	4.92	4.92	—	1.95	1.95	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	1.89	2.51	0.01	0.08	—	0.08	0.07	—	0.07	—	583	583	0.02	< 0.005	—	585
Dust From Material Movement	—	—	—	—	—	—	0.90	0.90	—	0.36	0.36	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.65	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	164	164	< 0.005	< 0.005	0.30	164
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.51	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	148	148	< 0.005	< 0.005	0.01	149
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.28	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	81.1	81.1	< 0.005	< 0.005	0.07	81.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	0.01	13.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	0.74	4.68	35.4	0.06	0.14	—	0.14	0.14	—	0.14	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	0.74	4.68	35.4	0.06	0.14	—	0.14	0.14	—	0.14	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.39	2.50	18.9	0.03	0.08	—	0.08	0.08	—	0.08	—	3,524	3,524	0.14	0.03	—	3,536
Dust From Material Movement	—	—	—	—	—	—	4.92	4.92	—	1.95	1.95	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	3.45	0.01	0.01	—	0.01	0.01	—	0.01	—	583	583	0.02	< 0.005	—	585
Dust From Material Movement	—	—	—	—	—	—	0.90	0.90	—	0.36	0.36	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.65	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	164	164	< 0.005	< 0.005	0.30	164
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.51	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	148	148	< 0.005	< 0.005	0.01	149
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.28	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	81.1	81.1	< 0.005	< 0.005	0.07	81.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	0.01	13.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Building Construction (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.07	0.90	7.87	12.8	0.02	0.22	—	0.22	0.21	—	0.21	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.94	1.53	< 0.005	0.03	—	0.03	0.02	—	0.02	—	287	287	0.01	< 0.005	—	288
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.17	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.5	47.5	< 0.005	< 0.005	—	47.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.49	7.29	5.73	77.1	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	22,273	22,273	0.46	0.20	1.18	22,345
Vendor	1.33	0.68	33.1	11.4	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	27,663	27,663	0.39	4.18	0.90	28,921
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.89	0.87	0.57	9.43	0.00	0.00	3.01	3.01	0.00	0.71	0.71	—	2,734	2,734	0.05	0.02	2.36	2,744
Vendor	0.17	0.09	3.88	1.35	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	3,311	3,311	0.05	0.50	1.79	3,463
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.10	1.72	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	453	453	0.01	< 0.005	0.39	454
Vendor	0.03	0.02	0.71	0.25	0.01	0.01	0.20	0.20	0.01	0.05	0.06	—	548	548	0.01	0.08	0.30	573
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.42	2.98	14.9	0.02	0.08	—	0.08	0.08	—	0.08	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.36	1.79	< 0.005	0.01	—	0.01	0.01	—	0.01	—	287	287	0.01	< 0.005	—	288
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01	0.01	0.07	0.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	47.5	47.5	< 0.005	< 0.005	—	47.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.49	7.29	5.73	77.1	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	22,273	22,273	0.46	0.20	1.18	22,345
Vendor	1.33	0.68	33.1	11.4	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	27,663	27,663	0.39	4.18	0.90	28,921
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.89	0.87	0.57	9.43	0.00	0.00	3.01	3.01	0.00	0.71	0.71	—	2,734	2,734	0.05	0.02	2.36	2,744
Vendor	0.17	0.09	3.88	1.35	0.03	0.03	1.07	1.10	0.03	0.30	0.32	—	3,311	3,311	0.05	0.50	1.79	3,463
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.10	1.72	0.00	0.00	0.55	0.55	0.00	0.13	0.13	—	453	453	0.01	< 0.005	0.39	454
Vendor	0.03	0.02	0.71	0.25	0.01	0.01	0.20	0.20	0.01	0.05	0.06	—	548	548	0.01	0.08	0.30	573
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.90	0.75	6.57	11.0	0.02	0.17	—	0.17	0.16	—	0.16	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.16	0.14	1.20	2.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.62	7.49	3.76	93.1	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	24,276	24,276	0.33	0.20	39.7	24,383
Vendor	1.20	0.75	30.1	10.9	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	26,767	26,767	0.39	3.95	29.1	27,983
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.16	6.96	4.88	72.6	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	21,969	21,969	0.40	0.20	1.03	22,040
Vendor	1.09	0.68	32.0	11.2	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	26,798	26,798	0.39	3.95	0.75	27,986
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.08	5.96	4.01	64.5	0.00	0.00	21.6	21.6	0.00	5.05	5.05	—	19,298	19,298	0.34	0.17	14.7	19,372
Vendor	0.98	0.60	26.8	9.43	0.20	0.20	7.65	7.85	0.20	2.12	2.32	—	22,955	22,955	0.33	3.39	10.8	23,983
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.11	1.09	0.73	11.8	0.00	0.00	3.94	3.94	0.00	0.92	0.92	—	3,195	3,195	0.06	0.03	2.43	3,207
Vendor	0.18	0.11	4.90	1.72	0.04	0.04	1.40	1.43	0.04	0.39	0.42	—	3,800	3,800	0.06	0.56	1.78	3,971
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.42	2.97	14.9	0.02	0.08	—	0.08	0.08	—	0.08	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.47	0.42	2.97	14.9	0.02	0.08	—	0.08	0.08	—	0.08	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.40	0.36	2.54	12.8	0.02	0.07	—	0.07	0.07	—	0.07	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.62	7.49	3.76	93.1	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	24,276	24,276	0.33	0.20	39.7	24,383
Vendor	1.20	0.75	30.1	10.9	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	26,767	26,767	0.39	3.95	29.1	27,983
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.16	6.96	4.88	72.6	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	21,969	21,969	0.40	0.20	1.03	22,040
Vendor	1.09	0.68	32.0	11.2	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	26,798	26,798	0.39	3.95	0.75	27,986
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	6.08	5.96	4.01	64.5	0.00	0.00	21.6	21.6	0.00	5.05	5.05	—	19,298	19,298	0.34	0.17	14.7	19,372
Vendor	0.98	0.60	26.8	9.43	0.20	0.20	7.65	7.85	0.20	2.12	2.32	—	22,955	22,955	0.33	3.39	10.8	23,983
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.11	1.09	0.73	11.8	0.00	0.00	3.94	3.94	0.00	0.92	0.92	—	3,195	3,195	0.06	0.03	2.43	3,207
Vendor	0.18	0.11	4.90	1.72	0.04	0.04	1.40	1.43	0.04	0.39	0.42	—	3,800	3,800	0.06	0.56	1.78	3,971
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.88	0.74	6.45	10.9	0.02	0.16	—	0.16	0.15	—	0.15	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.18	2.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.16	7.02	3.69	89.2	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	23,972	23,972	0.27	0.20	34.2	24,072
Vendor	1.20	0.75	29.0	10.6	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	25,949	25,949	0.39	3.95	24.5	27,160
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.82	6.69	4.81	69.0	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	21,696	21,696	0.40	0.20	0.89	21,766
Vendor	1.09	0.68	31.1	11.0	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	25,980	25,980	0.39	3.95	0.63	27,167
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.74	5.62	3.28	60.9	0.00	0.00	21.6	21.6	0.00	5.05	5.05	—	19,057	19,057	0.28	0.17	12.7	19,128
Vendor	0.98	0.60	25.9	9.23	0.20	0.20	7.65	7.85	0.20	2.12	2.32	—	22,253	22,253	0.33	3.39	9.04	23,279
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	1.03	0.60	11.1	0.00	0.00	3.94	3.94	0.00	0.92	0.92	—	3,155	3,155	0.05	0.03	2.10	3,167
Vendor	0.18	0.11	4.73	1.68	0.04	0.04	1.40	1.43	0.04	0.39	0.42	—	3,684	3,684	0.06	0.56	1.50	3,854

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.96	14.9	0.02	0.08	—	0.08	0.08	—	0.08	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.96	14.9	0.02	0.08	—	0.08	0.08	—	0.08	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.54	12.8	0.02	0.07	—	0.07	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.16	7.02	3.69	89.2	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	23,972	23,972	0.27	0.20	34.2	24,072
Vendor	1.20	0.75	29.0	10.6	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	25,949	25,949	0.39	3.95	24.5	27,160
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.82	6.69	4.81	69.0	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	21,696	21,696	0.40	0.20	0.89	21,766
Vendor	1.09	0.68	31.1	11.0	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	25,980	25,980	0.39	3.95	0.63	27,167
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.74	5.62	3.28	60.9	0.00	0.00	21.6	21.6	0.00	5.05	5.05	—	19,057	19,057	0.28	0.17	12.7	19,128
Vendor	0.98	0.60	25.9	9.23	0.20	0.20	7.65	7.85	0.20	2.12	2.32	—	22,253	22,253	0.33	3.39	9.04	23,279
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	1.03	0.60	11.1	0.00	0.00	3.94	3.94	0.00	0.92	0.92	—	3,155	3,155	0.05	0.03	2.10	3,167
Vendor	0.18	0.11	4.73	1.68	0.04	0.04	1.40	1.43	0.04	0.39	0.42	—	3,684	3,684	0.06	0.56	1.50	3,854
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.87	0.73	6.29	10.9	0.02	0.15	—	0.15	0.14	—	0.14	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.15	1.98	< 0.005	0.03	—	0.03	0.03	—	0.03	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.02	6.96	3.69	85.3	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	23,702	23,702	0.27	0.20	29.3	23,797
Vendor	1.20	0.75	28.1	10.4	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	25,184	25,184	0.39	3.71	20.3	26,320
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.69	6.56	4.75	66.3	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	21,452	21,452	0.40	0.20	0.76	21,522
Vendor	1.09	0.68	30.0	10.7	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	25,215	25,215	0.39	3.71	0.53	26,332
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.74	5.56	3.28	58.8	0.00	0.00	21.6	21.6	0.00	5.05	5.05	—	18,842	18,842	0.28	0.17	10.8	18,911
Vendor	0.98	0.60	25.2	9.01	0.20	0.20	7.65	7.85	0.20	2.12	2.32	—	21,597	21,597	0.33	3.18	7.51	22,562
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	1.02	0.60	10.7	0.00	0.00	3.94	3.94	0.00	0.92	0.92	—	3,120	3,120	0.05	0.03	1.79	3,131
Vendor	0.18	0.11	4.59	1.64	0.04	0.04	1.40	1.43	0.04	0.39	0.42	—	3,576	3,576	0.06	0.53	1.24	3,735
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.46	0.42	2.95	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.95	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.53	12.8	0.02	0.07	—	0.07	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	7.02	6.96	3.69	85.3	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	23,702	23,702	0.27	0.20	29.3	23,797
Vendor	1.20	0.75	28.1	10.4	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	25,184	25,184	0.39	3.71	20.3	26,320
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.69	6.56	4.75	66.3	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	21,452	21,452	0.40	0.20	0.76	21,522
Vendor	1.09	0.68	30.0	10.7	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	25,215	25,215	0.39	3.71	0.53	26,332
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.74	5.56	3.28	58.8	0.00	0.00	21.6	21.6	0.00	5.05	5.05	—	18,842	18,842	0.28	0.17	10.8	18,911
Vendor	0.98	0.60	25.2	9.01	0.20	0.20	7.65	7.85	0.20	2.12	2.32	—	21,597	21,597	0.33	3.18	7.51	22,562
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.05	1.02	0.60	10.7	0.00	0.00	3.94	3.94	0.00	0.92	0.92	—	3,120	3,120	0.05	0.03	1.79	3,131
Vendor	0.18	0.11	4.59	1.64	0.04	0.04	1.40	1.43	0.04	0.39	0.42	—	3,576	3,576	0.06	0.53	1.24	3,735
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	0.83	7.12	12.6	0.02	0.17	—	0.17	0.16	—	0.16	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.99	0.83	7.12	12.6	0.02	0.17	—	0.17	0.16	—	0.16	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.85	0.71	6.12	10.8	0.02	0.14	—	0.14	0.13	—	0.13	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.16	0.13	1.12	1.98	< 0.005	0.03	—	0.03	0.02	—	0.02	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.82	6.69	3.63	81.5	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	23,459	23,459	0.27	0.20	24.9	23,550
Vendor	1.17	0.73	27.5	10.4	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	24,494	24,494	0.39	3.71	16.6	25,627
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.56	6.43	3.89	63.7	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	21,233	21,233	0.33	0.20	0.65	21,301
Vendor	1.09	0.68	29.4	10.7	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	24,526	24,526	0.39	3.71	0.43	25,643
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	5.64	5.52	3.23	56.2	0.00	0.00	21.6	21.6	0.00	5.07	5.07	—	18,701	18,701	0.29	0.17	9.27	18,769
Vendor	0.98	0.60	24.5	9.03	0.20	0.20	7.67	7.88	0.20	2.12	2.32	—	21,064	21,064	0.34	3.19	6.17	22,030
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.03	1.01	0.59	10.3	0.00	0.00	3.95	3.95	0.00	0.92	0.92	—	3,096	3,096	0.05	0.03	1.53	3,107
Vendor	0.18	0.11	4.48	1.65	0.04	0.04	1.40	1.44	0.04	0.39	0.42	—	3,487	3,487	0.06	0.53	1.02	3,647
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.95	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.95	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.40	0.36	2.53	12.8	0.02	0.07	—	0.07	0.06	—	0.06	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.82	6.69	3.63	81.5	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	23,459	23,459	0.27	0.20	24.9	23,550
Vendor	1.17	0.73	27.5	10.4	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	24,494	24,494	0.39	3.71	16.6	25,627
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.56	6.43	3.89	63.7	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	21,233	21,233	0.33	0.20	0.65	21,301
Vendor	1.09	0.68	29.4	10.7	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	24,526	24,526	0.39	3.71	0.43	25,643
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.64	5.52	3.23	56.2	0.00	0.00	21.6	21.6	0.00	5.07	5.07	—	18,701	18,701	0.29	0.17	9.27	18,769
Vendor	0.98	0.60	24.5	9.03	0.20	0.20	7.67	7.88	0.20	2.12	2.32	—	21,064	21,064	0.34	3.19	6.17	22,030
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.03	1.01	0.59	10.3	0.00	0.00	3.95	3.95	0.00	0.92	0.92	—	3,096	3,096	0.05	0.03	1.53	3,107
Vendor	0.18	0.11	4.48	1.65	0.04	0.04	1.40	1.44	0.04	0.39	0.42	—	3,487	3,487	0.06	0.53	1.02	3,647

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.98	0.82	6.99	12.5	0.02	0.16	—	0.16	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.98	0.82	6.99	12.5	0.02	0.16	—	0.16	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.84	0.70	5.99	10.7	0.02	0.14	—	0.14	0.12	—	0.12	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.15	0.13	1.09	1.96	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.49	6.36	2.84	79.4	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	23,247	23,247	0.27	0.20	21.1	23,334
Vendor	1.17	0.73	26.9	10.1	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	23,880	23,880	0.39	3.71	13.4	25,010
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.29	6.16	3.82	61.3	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	21,042	21,042	0.33	0.20	0.55	21,110
Vendor	1.09	0.68	28.6	10.4	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	23,912	23,912	0.39	3.71	0.35	25,029
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.34	5.22	3.16	54.1	0.00	0.00	21.6	21.6	0.00	5.05	5.05	—	18,482	18,482	0.28	0.17	7.82	18,548
Vendor	0.98	0.60	24.0	8.81	0.20	0.20	7.65	7.85	0.20	2.12	2.32	—	20,480	20,480	0.33	3.18	4.97	21,442
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.97	0.95	0.58	9.88	0.00	0.00	3.94	3.94	0.00	0.92	0.92	—	3,060	3,060	0.05	0.03	1.29	3,071
Vendor	0.18	0.11	4.37	1.61	0.04	0.04	1.40	1.43	0.04	0.39	0.42	—	3,391	3,391	0.06	0.53	0.82	3,550
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.94	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.94	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.52	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.49	6.36	2.84	79.4	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	23,247	23,247	0.27	0.20	21.1	23,334
Vendor	1.17	0.73	26.9	10.1	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	23,880	23,880	0.39	3.71	13.4	25,010
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.29	6.16	3.82	61.3	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	21,042	21,042	0.33	0.20	0.55	21,110
Vendor	1.09	0.68	28.6	10.4	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	23,912	23,912	0.39	3.71	0.35	25,029
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.34	5.22	3.16	54.1	0.00	0.00	21.6	21.6	0.00	5.05	5.05	—	18,482	18,482	0.28	0.17	7.82	18,548
Vendor	0.98	0.60	24.0	8.81	0.20	0.20	7.65	7.85	0.20	2.12	2.32	—	20,480	20,480	0.33	3.18	4.97	21,442
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.97	0.95	0.58	9.88	0.00	0.00	3.94	3.94	0.00	0.92	0.92	—	3,060	3,060	0.05	0.03	1.29	3,071
Vendor	0.18	0.11	4.37	1.61	0.04	0.04	1.40	1.43	0.04	0.39	0.42	—	3,391	3,391	0.06	0.53	0.82	3,550
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.97	0.81	6.89	12.5	0.02	0.15	—	0.15	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	0.81	6.89	12.5	0.02	0.15	—	0.15	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.70	5.91	10.7	0.02	0.13	—	0.13	0.12	—	0.12	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.08	1.95	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.29	6.16	2.77	77.3	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	22,972	22,972	0.27	0.20	17.8	23,056
Vendor	1.17	0.73	26.4	10.1	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	23,328	23,328	0.39	3.48	10.7	24,385
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.96	5.04	3.82	59.0	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	20,790	20,790	0.33	0.20	0.46	20,858
Vendor	1.09	0.68	28.0	10.4	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	23,360	23,360	0.36	3.48	0.28	24,406
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.11	5.00	3.16	52.9	0.00	0.00	21.6	21.6	0.00	5.05	5.05	—	18,261	18,261	0.23	0.17	6.59	18,325
Vendor	0.98	0.60	23.5	8.81	0.20	0.20	7.65	7.85	0.20	2.12	2.32	—	20,007	20,007	0.33	2.98	3.98	20,908
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.93	0.91	0.58	9.66	0.00	0.00	3.94	3.94	0.00	0.92	0.92	—	3,023	3,023	0.04	0.03	1.09	3,034
Vendor	0.18	0.11	4.28	1.61	0.04	0.04	1.40	1.43	0.04	0.39	0.42	—	3,312	3,312	0.06	0.49	0.66	3,461
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.94	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.46	0.42	2.94	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.40	0.36	2.52	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.07	0.06	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.29	6.16	2.77	77.3	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	22,972	22,972	0.27	0.20	17.8	23,056
Vendor	1.17	0.73	26.4	10.1	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	23,328	23,328	0.39	3.48	10.7	24,385
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.96	5.04	3.82	59.0	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	20,790	20,790	0.33	0.20	0.46	20,858
Vendor	1.09	0.68	28.0	10.4	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	23,360	23,360	0.36	3.48	0.28	24,406
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	5.11	5.00	3.16	52.9	0.00	0.00	21.6	21.6	0.00	5.05	5.05	—	18,261	18,261	0.23	0.17	6.59	18,325
Vendor	0.98	0.60	23.5	8.81	0.20	0.20	7.65	7.85	0.20	2.12	2.32	—	20,007	20,007	0.33	2.98	3.98	20,908
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.93	0.91	0.58	9.66	0.00	0.00	3.94	3.94	0.00	0.92	0.92	—	3,023	3,023	0.04	0.03	1.09	3,034
Vendor	0.18	0.11	4.28	1.61	0.04	0.04	1.40	1.43	0.04	0.39	0.42	—	3,312	3,312	0.06	0.49	0.66	3,461
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.78	12.4	0.02	0.15	—	0.15	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.51	0.93	< 0.005	0.01	—	0.01	0.01	—	0.01	—	180	180	0.01	< 0.005	—	181
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.01	0.01	0.09	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.8	29.8	< 0.005	< 0.005	—	29.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.83	4.91	3.76	57.6	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	20,644	20,644	0.33	0.20	0.39	20,712
Vendor	1.09	0.68	27.7	10.2	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	22,868	22,868	0.36	3.48	0.22	23,914
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.36	0.27	4.48	0.00	0.00	1.89	1.89	0.00	0.44	0.44	—	1,590	1,590	0.02	0.01	0.48	1,595
Vendor	0.09	0.05	2.01	0.75	0.02	0.02	0.67	0.69	0.02	0.19	0.20	—	1,717	1,717	0.03	0.26	0.28	1,796
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.82	0.00	0.00	0.35	0.35	0.00	0.08	0.08	—	263	263	< 0.005	< 0.005	0.08	264
Vendor	0.02	0.01	0.37	0.14	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.04	—	284	284	< 0.005	0.04	0.05	297
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.22	1.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	180	180	0.01	< 0.005	—	181
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.8	29.8	< 0.005	< 0.005	—	29.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.83	4.91	3.76	57.6	0.00	0.00	25.3	25.3	0.00	5.92	5.92	—	20,644	20,644	0.33	0.20	0.39	20,712
Vendor	1.09	0.68	27.7	10.2	0.24	0.24	8.96	9.20	0.24	2.48	2.71	—	22,868	22,868	0.36	3.48	0.22	23,914
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.43	0.36	0.27	4.48	0.00	0.00	1.89	1.89	0.00	0.44	0.44	—	1,590	1,590	0.02	0.01	0.48	1,595
Vendor	0.09	0.05	2.01	0.75	0.02	0.02	0.67	0.69	0.02	0.19	0.20	—	1,717	1,717	0.03	0.26	0.28	1,796
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.82	0.00	0.00	0.35	0.35	0.00	0.08	0.08	—	263	263	< 0.005	< 0.005	0.08	264
Vendor	0.02	0.01	0.37	0.14	< 0.005	< 0.005	0.12	0.13	< 0.005	0.03	0.04	—	284	284	< 0.005	0.04	0.05	297
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Paving (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.49	5.31	9.75	0.01	0.11	—	0.11	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,516
Paving	2.27	2.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.49	5.31	9.75	0.01	0.11	—	0.11	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,516
Paving	2.27	2.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.19	2.01	3.69	0.01	0.04	—	0.04	0.04	—	0.04	—	571	571	0.02	< 0.005	—	573
Paving	0.86	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.37	0.67	< 0.005	0.01	—	0.01	0.01	—	0.01	—	94.6	94.6	< 0.005	< 0.005	—	94.9
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.38	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	114	114	< 0.005	< 0.005	0.07	114
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.29	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	103	103	< 0.005	< 0.005	< 0.005	103
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	39.9	39.9	< 0.005	< 0.005	0.01	40.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.60	6.60	< 0.005	< 0.005	< 0.005	6.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Paving (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.27	2.14	10.5	0.01	0.05	—	0.05	0.05	—	0.05	—	1,511	1,511	0.06	0.01	—	1,516
Paving	2.27	2.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.29	0.27	2.14	10.5	0.01	0.05	—	0.05	0.05	—	0.05	—	1,511	1,511	0.06	0.01	—	1,516
Paving	2.27	2.27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.11	0.10	0.81	3.96	0.01	0.02	—	0.02	0.02	—	0.02	—	571	571	0.02	< 0.005	—	573
Paving	0.86	0.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.72	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	94.6	94.6	< 0.005	< 0.005	—	94.9
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.38	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	114	114	< 0.005	< 0.005	0.07	114
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.29	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	103	103	< 0.005	< 0.005	< 0.005	103
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	39.9	39.9	< 0.005	< 0.005	0.01	40.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.60	6.60	< 0.005	< 0.005	< 0.005	6.63
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Architectural Coating (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	253	253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	253	253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.41	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.5	50.5	< 0.005	< 0.005	—	50.7
Architectural Coatings	95.8	95.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.36	8.36	< 0.005	< 0.005	—	8.39
Architectural Coatings	17.5	17.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.19	1.01	0.55	15.1	0.00	0.00	5.05	5.05	0.00	1.18	1.18	—	4,562	4,562	0.05	0.04	2.98	4,578
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.17	0.98	0.75	11.5	0.00	0.00	5.05	5.05	0.00	1.18	1.18	—	4,129	4,129	0.07	0.04	0.08	4,142
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.37	0.27	4.51	0.00	0.00	1.90	1.90	0.00	0.45	0.45	—	1,600	1,600	0.02	0.02	0.49	1,605
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.82	0.00	0.00	0.35	0.35	0.00	0.08	0.08	—	265	265	< 0.005	< 0.005	0.08	266
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. Architectural Coating (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	84.9	84.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	84.9	84.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.41	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.5	50.5	< 0.005	< 0.005	—	50.7
Architectural Coatings	32.1	32.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.36	8.36	< 0.005	< 0.005	—	8.39
Architectural Coatings	5.86	5.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.19	1.01	0.55	15.1	0.00	0.00	5.05	5.05	0.00	1.18	1.18	—	4,562	4,562	0.05	0.04	2.98	4,578

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.17	0.98	0.75	11.5	0.00	0.00	5.05	5.05	0.00	1.18	1.18	—	4,129	4,129	0.07	0.04	0.08	4,142
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.37	0.27	4.51	0.00	0.00	1.90	1.90	0.00	0.45	0.45	—	1,600	1,600	0.02	0.02	0.49	1,605
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.82	0.00	0.00	0.35	0.35	0.00	0.08	0.08	—	265	265	< 0.005	< 0.005	0.08	266
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2032	3/28/2032	6.00	75.0	—
Grading	Grading	3/29/2032	11/10/2032	6.00	195	—
Building Construction	Building Construction	11/11/2032	2/1/2039	6.00	1,949	—
Paving	Paving	2/2/2039	7/12/2039	6.00	138	—
Architectural Coating	Architectural Coating	7/13/2039	12/20/2039	6.00	138	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20

Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38

Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.9	LDA,LDT1,LDT2
Grading	Vendor	—	9.10	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	3,008	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	1,174	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	602	11.9	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.9	LDA,LDT1,LDT2
Grading	Vendor	—	9.10	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	3,008	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	1,174	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	602	11.9	LDA,LDT1,LDT2

Architectural Coating	Vendor	—	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	10,743,450	3,581,150	378,390

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	113	0.00	—
Grading	—	—	585	0.00	—
Paving	0.00	0.00	0.00	0.00	145

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Industrial Park	0.00	0%
Parking Lot	37.8	100%

Other Non-Asphalt Surfaces	25.3	0%
City Park	0.00	0%
Other Asphalt Surfaces	81.6	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2033	0.00	204	0.03	< 0.005
2034	0.00	204	0.03	< 0.005
2035	0.00	204	0.03	< 0.005
2036	0.00	204	0.03	< 0.005
2037	0.00	204	0.03	< 0.005
2038	0.00	204	0.03	< 0.005
2039	0.00	204	0.03	< 0.005
2032	0.00	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	22.1	annual days of extreme heat
Extreme Precipitation	0.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	19.7	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	61.0
AQ-PM	26.8
AQ-DPM	15.7
Drinking Water	60.1
Lead Risk Housing	17.3
Pesticides	83.8
Toxic Releases	18.1
Traffic	25.4
Effect Indicators	—
CleanUp Sites	89.4
Groundwater	97.2
Haz Waste Facilities/Generators	99.4
Impaired Water Bodies	93.4
Solid Waste	93.2

Sensitive Population	—
Asthma	25.2
Cardio-vascular	50.6
Low Birth Weights	52.4
Socioeconomic Factor Indicators	—
Education	68.6
Housing	5.48
Linguistic	31.3
Poverty	21.3
Unemployment	45.8

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	76.83818812
Employed	76.27357885
Median HI	87.89939689
Education	—
Bachelor's or higher	55.29321186
High school enrollment	100
Preschool enrollment	5.222635699
Transportation	—
Auto Access	78.96830489
Active commuting	55.15205954
Social	—
2-parent households	47.76081098
Voting	78.15988708

Neighborhood	—
Alcohol availability	84.49890928
Park access	5.902733222
Retail density	2.746054151
Supermarket access	10.85589632
Tree canopy	64.58360067
Housing	—
Homeownership	65.75131528
Housing habitability	87.28345951
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	88.64365456
Uncrowded housing	49.60862312
Health Outcomes	—
Insured adults	73.18105993
Arthritis	0.0
Asthma ER Admissions	60.1
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	51.5
Cognitively Disabled	82.5
Physically Disabled	52.4
Heart Attack ER Admissions	58.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0

Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	75.9
English Speaking	47.9
Foreign-born	13.3
Outdoor Workers	22.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	93.9
Traffic Density	13.8
Traffic Access	0.0
Other Indices	—
Hardship	42.3
Other Decision Support	—
2016 Voting	72.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0

Healthy Places Index Score for Project Location (b)	70.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Land uses are based on Project-specific information.
Construction: Construction Phases	Project-specific construction schedule.

Pacific Gateway (Central Development Area Construction) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2038) - Unmitigated

3.2. Demolition (2038) - Mitigated

3.3. Site Preparation (2038) - Unmitigated

3.4. Site Preparation (2038) - Mitigated

3.5. Grading (2038) - Unmitigated

3.6. Grading (2038) - Mitigated

3.7. Grading (2039) - Unmitigated

3.8. Grading (2039) - Mitigated

3.9. Building Construction (2039) - Unmitigated

3.10. Building Construction (2039) - Mitigated

3.11. Building Construction (2040) - Unmitigated

3.12. Building Construction (2040) - Mitigated

3.13. Building Construction (2041) - Unmitigated

3.14. Building Construction (2041) - Mitigated

3.15. Building Construction (2042) - Unmitigated

3.16. Building Construction (2042) - Mitigated

3.17. Building Construction (2043) - Unmitigated

3.18. Building Construction (2043) - Mitigated

3.19. Building Construction (2044) - Unmitigated

3.20. Building Construction (2044) - Mitigated

3.21. Building Construction (2045) - Unmitigated

3.22. Building Construction (2045) - Mitigated

3.23. Building Construction (2046) - Unmitigated

3.24. Building Construction (2046) - Mitigated

3.25. Paving (2046) - Unmitigated

3.26. Paving (2046) - Mitigated

3.27. Paving (2047) - Unmitigated

3.28. Paving (2047) - Mitigated

3.29. Architectural Coating (2047) - Unmitigated

3.30. Architectural Coating (2047) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Pacific Gateway (Central Development Area Construction)
Construction Start Date	1/1/2038
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	6.60
Location	37.649944, -121.397722
County	San Joaquin
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2114
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	6,857	1000sqft	198	6,856,500	1,786,304	—	—	—
Parking Lot	1,823	1000sqft	41.9	0.00	0.00	—	—	—

Other Asphalt Surfaces	4,015	1000sqft	92.2	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	1,299	1000sqft	29.8	0.00	0.00	—	—	—
City Park	72.4	Acre	72.4	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	196	196	34.1	93.9	0.25	0.61	32.8	33.1	0.56	10.1	10.7	—	46,095	46,095	0.70	3.54	22.4	47,189
Mit.	67.6	67.4	30.3	96.4	0.25	0.30	32.8	33.1	0.30	10.1	10.2	—	46,095	46,095	0.70	3.54	22.4	47,189
% Reduced	66%	66%	11%	-3%	—	51%	—	< 0.5%	47%	—	4%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	196	196	36.9	77.3	0.25	0.61	32.8	33.1	0.56	10.1	10.7	—	44,051	44,051	0.76	3.54	0.58	45,125
Mit.	67.5	67.4	33.0	79.8	0.25	0.30	32.8	33.1	0.30	10.1	10.2	—	44,051	44,051	0.76	3.54	0.58	45,125
% Reduced	66%	66%	10%	-3%	—	51%	—	< 0.5%	47%	—	4%	—	—	—	—	—	—	—

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	93.8	93.8	29.9	67.0	0.21	0.47	28.1	28.4	0.43	6.88	7.19	—	37,798	37,798	0.60	3.04	7.55	38,727
Mit.	32.8	32.8	26.6	69.1	0.21	0.26	28.1	28.3	0.26	6.88	7.14	—	37,798	37,798	0.60	3.04	7.55	38,727
% Reduced	65%	65%	11%	-3%	—	45%	—	< 0.5%	41%	—	1%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.1	17.1	5.45	12.2	0.04	0.09	5.12	5.18	0.08	1.26	1.31	—	6,258	6,258	0.10	0.50	1.25	6,412
Mit.	5.98	5.98	4.86	12.6	0.04	0.05	5.12	5.17	0.05	1.26	1.30	—	6,258	6,258	0.10	0.50	1.25	6,412
% Reduced	65%	65%	11%	-3%	—	45%	—	< 0.5%	41%	—	1%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	2.69	2.26	16.5	23.7	0.06	0.61	19.8	20.4	0.56	10.1	10.7	—	6,749	6,749	0.27	0.05	0.12	6,772
2039	7.79	6.33	34.1	93.9	0.25	0.37	32.8	33.1	0.36	8.04	8.40	—	46,095	46,095	0.70	3.54	22.4	47,189
2040	7.46	6.09	33.7	92.1	0.25	0.37	32.8	33.1	0.36	8.04	8.40	—	45,538	45,538	0.64	3.54	18.2	46,627
2041	7.33	5.96	33.1	91.0	0.25	0.36	32.8	33.1	0.35	8.04	8.39	—	45,045	45,045	0.64	3.54	14.8	46,131
2042	7.14	5.70	32.8	89.8	0.25	0.36	32.8	33.1	0.35	8.04	8.39	—	44,608	44,608	0.64	3.31	12.0	45,624
2043	6.94	5.55	32.4	88.8	0.25	0.35	32.8	33.1	0.34	8.04	8.38	—	44,227	44,227	0.64	3.31	9.61	45,240
2044	6.62	5.41	32.0	87.8	0.25	0.35	32.8	33.1	0.34	8.04	8.38	—	43,899	43,899	0.64	3.25	7.71	44,892
2045	6.48	5.34	31.7	87.7	0.25	0.35	32.8	33.1	0.34	8.04	8.38	—	43,615	43,615	0.64	3.25	6.16	44,606
2046	6.42	5.27	31.6	86.8	0.25	0.34	32.8	33.1	0.33	8.04	8.37	—	43,370	43,370	0.64	3.25	4.90	44,360
2047	196	196	5.02	14.1	0.01	0.07	4.84	4.84	0.07	1.13	1.14	—	4,368	4,368	0.06	0.03	0.61	4,377

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	2.69	2.26	17.9	23.6	0.07	0.61	19.8	20.4	0.56	10.1	10.7	—	7,866	7,866	0.27	0.71	0.08	8,081
2039	7.59	6.15	36.9	77.3	0.25	0.50	32.8	33.1	0.46	8.04	8.40	—	44,051	44,051	0.76	3.54	0.58	45,125
2040	7.26	5.83	36.3	76.0	0.25	0.37	32.8	33.1	0.36	8.04	8.40	—	43,508	43,508	0.76	3.54	0.47	44,582
2041	7.07	5.63	35.9	74.8	0.25	0.36	32.8	33.1	0.35	8.04	8.39	—	43,026	43,026	0.70	3.54	0.38	44,099
2042	7.00	5.57	34.6	73.4	0.25	0.36	32.8	33.1	0.35	8.04	8.39	—	42,599	42,599	0.70	3.31	0.31	43,604
2043	6.87	5.50	34.2	73.1	0.25	0.35	32.8	33.1	0.34	8.04	8.38	—	42,226	42,226	0.70	3.31	0.25	43,232
2044	6.44	5.30	33.8	72.0	0.25	0.35	32.8	33.1	0.34	8.04	8.38	—	41,905	41,905	0.70	3.31	0.20	42,911
2045	5.62	5.20	33.7	71.7	0.25	0.35	32.8	33.1	0.34	8.04	8.38	—	41,628	41,628	0.70	3.31	0.16	42,633
2046	5.55	5.10	33.4	71.6	0.25	0.34	32.8	33.1	0.33	8.04	8.37	—	41,388	41,388	0.70	3.31	0.13	42,393
2047	196	196	5.02	11.0	0.01	0.07	4.84	4.84	0.07	1.13	1.14	—	3,966	3,966	0.06	0.04	0.02	3,979
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	2.25	1.89	12.9	19.3	0.05	0.47	10.7	11.2	0.43	4.80	5.23	—	5,438	5,438	0.22	0.05	0.06	5,458
2039	6.10	4.93	29.1	63.5	0.20	0.33	26.2	26.5	0.32	6.53	6.84	—	35,235	35,235	0.57	2.76	7.55	36,080
2040	6.29	5.10	29.9	67.0	0.21	0.32	28.1	28.4	0.31	6.88	7.19	—	37,798	37,798	0.60	3.04	6.77	38,727
2041	6.05	4.87	29.3	65.8	0.21	0.31	28.0	28.3	0.30	6.86	7.16	—	37,280	37,280	0.60	3.03	5.48	38,204
2042	5.93	4.76	29.0	64.7	0.21	0.31	28.0	28.3	0.30	6.86	7.16	—	36,912	36,912	0.60	2.84	4.42	37,778
2043	5.87	4.64	28.7	64.4	0.21	0.30	28.0	28.3	0.30	6.86	7.16	—	36,591	36,591	0.60	2.84	3.56	37,456
2044	5.58	4.58	28.5	63.7	0.21	0.30	28.1	28.4	0.29	6.88	7.17	—	36,414	36,414	0.60	2.85	2.86	37,280
2045	5.50	4.45	28.0	63.4	0.21	0.30	28.0	28.3	0.29	6.86	7.15	—	36,075	36,075	0.55	2.84	2.27	36,937
2046	4.89	4.03	24.7	55.8	0.19	0.26	24.2	24.4	0.25	5.93	6.18	—	31,144	31,144	0.48	2.45	1.57	31,889
2047	93.8	93.8	2.38	8.92	0.01	0.03	2.33	2.36	0.02	0.55	0.57	—	2,497	2,497	0.04	0.02	0.13	2,505
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	0.41	0.35	2.35	3.53	0.01	0.09	1.95	2.04	0.08	0.88	0.95	—	900	900	0.04	0.01	0.01	904
2039	1.11	0.90	5.31	11.6	0.04	0.06	4.78	4.84	0.06	1.19	1.25	—	5,834	5,834	0.09	0.46	1.25	5,973
2040	1.15	0.93	5.45	12.2	0.04	0.06	5.12	5.18	0.06	1.26	1.31	—	6,258	6,258	0.10	0.50	1.12	6,412

2041	1.10	0.89	5.35	12.0	0.04	0.06	5.11	5.16	0.05	1.25	1.31	—	6,172	6,172	0.10	0.50	0.91	6,325
2042	1.08	0.87	5.29	11.8	0.04	0.06	5.11	5.16	0.05	1.25	1.31	—	6,111	6,111	0.10	0.47	0.73	6,255
2043	1.07	0.85	5.24	11.8	0.04	0.06	5.11	5.16	0.05	1.25	1.31	—	6,058	6,058	0.10	0.47	0.59	6,201
2044	1.02	0.83	5.19	11.6	0.04	0.05	5.12	5.17	0.05	1.26	1.31	—	6,029	6,029	0.10	0.47	0.47	6,172
2045	1.00	0.81	5.12	11.6	0.04	0.05	5.11	5.16	0.05	1.25	1.31	—	5,973	5,973	0.09	0.47	0.38	6,115
2046	0.89	0.74	4.51	10.2	0.03	0.05	4.41	4.46	0.05	1.08	1.13	—	5,156	5,156	0.08	0.41	0.26	5,280
2047	17.1	17.1	0.43	1.63	< 0.005	< 0.005	0.42	0.43	< 0.005	0.10	0.10	—	413	413	0.01	< 0.005	0.02	415

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	0.79	0.77	4.61	35.9	0.06	0.13	19.8	19.9	0.13	10.1	10.2	—	6,749	6,749	0.27	0.05	0.12	6,772
2039	7.29	5.94	30.3	96.4	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	46,095	46,095	0.70	3.54	22.4	47,189
2040	6.97	5.71	29.9	94.6	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	45,538	45,538	0.64	3.54	18.2	46,627
2041	6.84	5.58	29.4	93.6	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	45,045	45,045	0.64	3.54	14.8	46,131
2042	6.65	5.33	29.1	92.4	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	44,608	44,608	0.64	3.31	12.0	45,624
2043	6.46	5.18	28.8	91.4	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	44,227	44,227	0.64	3.31	9.61	45,240
2044	6.15	5.05	28.5	90.5	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	43,899	43,899	0.64	3.25	7.71	44,892
2045	6.02	4.98	28.2	90.4	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	43,615	43,615	0.64	3.25	6.16	44,606
2046	5.96	4.92	28.2	89.6	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	43,370	43,370	0.64	3.25	4.90	44,360
2047	67.6	67.4	2.09	14.1	0.01	0.04	4.84	4.84	0.04	1.13	1.14	—	4,368	4,368	0.06	0.03	0.61	4,377
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	0.83	0.76	10.4	35.7	0.07	0.15	19.8	19.9	0.14	10.1	10.2	—	7,866	7,866	0.27	0.71	0.08	8,081
2039	7.09	5.76	33.0	79.8	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	44,051	44,051	0.76	3.54	0.58	45,125

2040	6.77	5.44	32.5	78.5	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	43,508	43,508	0.76	3.54	0.47	44,582
2041	6.58	5.25	32.2	77.4	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	43,026	43,026	0.70	3.54	0.38	44,099
2042	6.52	5.19	30.9	76.0	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	42,599	42,599	0.70	3.31	0.31	43,604
2043	6.39	5.13	30.6	75.7	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	42,226	42,226	0.70	3.31	0.25	43,232
2044	5.97	4.94	30.3	74.7	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	41,905	41,905	0.70	3.31	0.20	42,911
2045	5.15	4.85	30.2	74.5	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	41,628	41,628	0.70	3.31	0.16	42,633
2046	5.09	4.74	30.0	74.4	0.25	0.30	32.8	33.1	0.30	8.04	8.34	—	41,388	41,388	0.70	3.31	0.13	42,393
2047	67.5	67.4	2.09	11.0	0.01	0.04	4.84	4.84	0.04	1.13	1.14	—	3,966	3,966	0.06	0.04	0.02	3,979
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	0.61	0.59	3.49	28.6	0.05	0.10	10.7	10.8	0.10	4.80	4.90	—	5,438	5,438	0.22	0.05	0.06	5,458
2039	5.58	4.52	25.4	66.4	0.20	0.24	26.2	26.4	0.24	6.53	6.77	—	35,235	35,235	0.57	2.76	7.55	36,080
2040	5.86	4.78	26.6	69.1	0.21	0.26	28.1	28.3	0.26	6.88	7.14	—	37,798	37,798	0.60	3.04	6.77	38,727
2041	5.63	4.54	26.1	68.0	0.21	0.26	28.0	28.2	0.25	6.86	7.12	—	37,280	37,280	0.60	3.03	5.48	38,204
2042	5.52	4.44	25.8	66.9	0.21	0.26	28.0	28.2	0.25	6.86	7.12	—	36,912	36,912	0.60	2.84	4.42	37,778
2043	5.46	4.33	25.6	66.7	0.21	0.26	28.0	28.2	0.25	6.86	7.12	—	36,591	36,591	0.60	2.84	3.56	37,456
2044	5.18	4.26	25.4	66.0	0.21	0.26	28.1	28.3	0.26	6.88	7.14	—	36,414	36,414	0.60	2.85	2.86	37,280
2045	5.11	4.14	25.0	65.8	0.21	0.26	28.0	28.2	0.25	6.86	7.12	—	36,075	36,075	0.55	2.84	2.27	36,937
2046	4.52	3.75	21.8	57.9	0.19	0.23	24.2	24.4	0.22	5.93	6.15	—	31,144	31,144	0.48	2.45	1.57	31,889
2047	32.8	32.8	1.34	9.19	0.01	0.02	2.33	2.34	0.02	0.55	0.56	—	2,497	2,497	0.04	0.02	0.13	2,505
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2038	0.11	0.11	0.64	5.22	0.01	0.02	1.95	1.97	0.02	0.88	0.89	—	900	900	0.04	0.01	0.01	904
2039	1.02	0.82	4.63	12.1	0.04	0.04	4.78	4.82	0.04	1.19	1.24	—	5,834	5,834	0.09	0.46	1.25	5,973
2040	1.07	0.87	4.86	12.6	0.04	0.05	5.12	5.17	0.05	1.26	1.30	—	6,258	6,258	0.10	0.50	1.12	6,412
2041	1.03	0.83	4.77	12.4	0.04	0.05	5.11	5.15	0.05	1.25	1.30	—	6,172	6,172	0.10	0.50	0.91	6,325
2042	1.01	0.81	4.71	12.2	0.04	0.05	5.11	5.15	0.05	1.25	1.30	—	6,111	6,111	0.10	0.47	0.73	6,255
2043	1.00	0.79	4.67	12.2	0.04	0.05	5.11	5.15	0.05	1.25	1.30	—	6,058	6,058	0.10	0.47	0.59	6,201
2044	0.94	0.78	4.64	12.1	0.04	0.05	5.12	5.17	0.05	1.26	1.30	—	6,029	6,029	0.10	0.47	0.47	6,172
2045	0.93	0.76	4.57	12.0	0.04	0.05	5.11	5.15	0.05	1.25	1.30	—	5,973	5,973	0.09	0.47	0.38	6,115

2046	0.83	0.68	3.99	10.6	0.03	0.04	4.41	4.45	0.04	1.08	1.12	—	5,156	5,156	0.08	0.41	0.26	5,280
2047	5.98	5.98	0.24	1.68	< 0.005	< 0.005	0.42	0.43	< 0.005	0.10	0.10	—	413	413	0.01	< 0.005	0.02	415

3. Construction Emissions Details

3.1. Demolition (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.90	1.60	12.4	13.2	0.03	0.40	—	0.40	0.37	—	0.37	—	3,426	3,426	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	7.35	7.35	—	1.11	1.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	37.5	37.5	< 0.005	< 0.005	—	37.7
Demolition	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	0.02	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.22	6.22	< 0.005	< 0.005	—	6.24
Demoliti on	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.29	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	104	104	< 0.005	< 0.005	< 0.005	104
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.09	5.50	1.38	0.04	0.07	1.53	1.61	0.07	0.42	0.49	—	4,336	4,336	0.05	0.68	0.08	4,539
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.16	1.16	< 0.005	< 0.005	< 0.005	1.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	47.5	47.5	< 0.005	0.01	0.01	49.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.86	7.86	< 0.005	< 0.005	< 0.005	8.23

3.2. Demolition (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.58	4.90	18.2	0.03	0.07	—	0.07	0.07	—	0.07	—	3,426	3,426	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	7.35	7.35	—	1.11	1.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.20	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	37.5	37.5	< 0.005	< 0.005	—	37.7
Demolition	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.22	6.22	< 0.005	< 0.005	—	6.24
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.29	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	104	104	< 0.005	< 0.005	< 0.005	104
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.15	0.09	5.50	1.38	0.04	0.07	1.53	1.61	0.07	0.42	0.49	—	4,336	4,336	0.05	0.68	0.08	4,539
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.16	1.16	< 0.005	< 0.005	< 0.005	1.17
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	47.5	47.5	< 0.005	0.01	0.01	49.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.19
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.86	7.86	< 0.005	< 0.005	< 0.005	8.23

3.3. Site Preparation (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.65	2.23	16.5	20.3	0.05	0.61	—	0.61	0.56	—	0.56	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.65	2.23	16.5	20.3	0.05	0.61	—	0.61	0.56	—	0.56	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	4.25	5.23	0.01	0.16	—	0.16	0.15	—	0.15	—	1,364	1,364	0.06	0.01	—	1,369
Dust From Material Movement	—	—	—	—	—	—	5.06	5.06	—	2.60	2.60	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.10	0.78	0.95	< 0.005	0.03	—	0.03	0.03	—	0.03	—	226	226	0.01	< 0.005	—	227
Dust From Material Movement	—	—	—	—	—	—	0.92	0.92	—	0.47	0.47	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.45	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	134	134	< 0.005	< 0.005	0.10	134
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.34	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	121	121	< 0.005	< 0.005	< 0.005	121
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	31.9	31.9	< 0.005	< 0.005	0.01	32.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.28	5.28	< 0.005	< 0.005	< 0.005	5.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	0.67	7.29	0.01	0.03	—	0.03	0.03	—	0.03	—	1,364	1,364	0.06	0.01	—	1,369
Dust From Material Movement	—	—	—	—	—	—	5.06	5.06	—	2.60	2.60	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.12	1.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	226	226	0.01	< 0.005	—	227

Dust From Material Movement	—	—	—	—	—	—	0.92	0.92	—	0.47	0.47	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.45	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	134	134	< 0.005	< 0.005	0.10	134
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.34	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	121	121	< 0.005	< 0.005	< 0.005	121
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.09	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	31.9	31.9	< 0.005	< 0.005	0.01	32.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.28	5.28	< 0.005	< 0.005	< 0.005	5.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.57	2.16	14.3	23.2	0.06	0.52	—	0.52	0.48	—	0.48	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.57	2.16	14.3	23.2	0.06	0.52	—	0.52	0.48	—	0.48	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.51	1.27	8.42	13.6	0.04	0.30	—	0.30	0.28	—	0.28	—	3,872	3,872	0.16	0.03	—	3,886
Dust From Material Movement	—	—	—	—	—	—	5.40	5.40	—	2.15	2.15	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.23	1.54	2.48	0.01	0.06	—	0.06	0.05	—	0.05	—	641	641	0.03	0.01	—	643
Dust From Material Movement	—	—	—	—	—	—	0.99	0.99	—	0.39	0.39	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.51	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	153	153	< 0.005	< 0.005	0.12	153
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.39	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	138	138	< 0.005	< 0.005	< 0.005	139
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.24	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	83.2	83.2	< 0.005	< 0.005	0.03	83.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	< 0.005	13.8

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.72	4.59	35.4	0.06	0.13	—	0.13	0.13	—	0.13	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.72	4.59	35.4	0.06	0.13	—	0.13	0.13	—	0.13	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.44	0.43	2.69	20.8	0.04	0.08	—	0.08	0.08	—	0.08	—	3,872	3,872	0.16	0.03	—	3,886
Dust From Material Movement	—	—	—	—	—	—	5.40	5.40	—	2.15	2.15	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.08	0.08	0.49	3.79	0.01	0.01	—	0.01	0.01	—	0.01	—	641	641	0.03	0.01	—	643
Dust From Material Movement	—	—	—	—	—	—	0.99	0.99	—	0.39	0.39	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.02	0.51	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	153	153	< 0.005	< 0.005	0.12	153
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.03	0.39	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	138	138	< 0.005	< 0.005	< 0.005	139
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.24	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	83.2	83.2	< 0.005	< 0.005	0.03	83.4

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	< 0.005	13.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Grading (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.52	2.12	13.8	22.7	0.06	0.50	—	0.50	0.46	—	0.46	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.16	1.07	1.76	< 0.005	0.04	—	0.04	0.04	—	0.04	—	511	511	0.02	< 0.005	—	513

Dust From Material Movement	—	—	—	—	—	—	0.71	0.71	—	0.28	0.28	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.20	0.32	< 0.005	0.01	—	0.01	0.01	—	0.01	—	84.6	84.6	< 0.005	< 0.005	—	84.9
Dust From Material Movement	—	—	—	—	—	—	0.13	0.13	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.38	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	137	137	< 0.005	< 0.005	< 0.005	138
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	< 0.005	10.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.80	1.80	< 0.005	< 0.005	< 0.005	1.81

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Grading (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.72	4.58	35.4	0.06	0.13	—	0.13	0.13	—	0.13	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.36	2.74	< 0.005	0.01	—	0.01	0.01	—	0.01	—	511	511	0.02	< 0.005	—	513
Dust From Material Movement	—	—	—	—	—	—	0.71	0.71	—	0.28	0.28	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	84.6	84.6	< 0.005	< 0.005	—	84.9
Dust From Material Movement	—	—	—	—	—	—	0.13	0.13	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.02	0.38	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	137	137	< 0.005	< 0.005	< 0.005	138
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	< 0.005	10.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.80	1.80	< 0.005	< 0.005	< 0.005	1.81
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.78	12.4	0.02	0.15	—	0.15	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.78	12.4	0.02	0.15	—	0.15	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.63	5.28	9.67	0.02	0.11	—	0.11	0.10	—	0.10	—	1,869	1,869	0.08	0.02	—	1,875
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.11	0.96	1.77	< 0.005	0.02	—	0.02	0.02	—	0.02	—	309	309	0.01	< 0.005	—	310
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.71	4.83	2.65	72.1	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,837	21,837	0.25	0.19	14.2	21,914
Vendor	1.12	0.70	24.7	9.46	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	21,861	21,861	0.35	3.33	8.12	22,870
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.58	4.70	3.60	55.1	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,762	19,762	0.32	0.19	0.37	19,828
Vendor	1.05	0.65	26.5	9.78	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	21,891	21,891	0.35	3.33	0.21	22,893
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.30	3.61	2.71	44.5	0.00	0.00	18.8	18.8	0.00	4.40	4.40	—	15,790	15,790	0.20	0.15	4.81	15,844
Vendor	0.85	0.52	20.0	7.49	0.18	0.18	6.66	6.84	0.18	1.84	2.02	—	17,054	17,054	0.27	2.60	2.74	17,837
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.78	0.66	0.49	8.13	0.00	0.00	3.43	3.43	0.00	0.80	0.80	—	2,614	2,614	0.03	0.02	0.80	2,623
Vendor	0.16	0.10	3.65	1.37	0.03	0.03	1.22	1.25	0.03	0.34	0.37	—	2,823	2,823	0.05	0.43	0.45	2,953
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.32	2.29	11.6	0.02	0.06	—	0.06	0.06	—	0.06	—	1,869	1,869	0.08	0.02	—	1,875
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.42	2.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	309	309	0.01	< 0.005	—	310
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.71	4.83	2.65	72.1	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,837	21,837	0.25	0.19	14.2	21,914
Vendor	1.12	0.70	24.7	9.46	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	21,861	21,861	0.35	3.33	8.12	22,870
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.58	4.70	3.60	55.1	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,762	19,762	0.32	0.19	0.37	19,828
Vendor	1.05	0.65	26.5	9.78	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	21,891	21,891	0.35	3.33	0.21	22,893
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.30	3.61	2.71	44.5	0.00	0.00	18.8	18.8	0.00	4.40	4.40	—	15,790	15,790	0.20	0.15	4.81	15,844
Vendor	0.85	0.52	20.0	7.49	0.18	0.18	6.66	6.84	0.18	1.84	2.02	—	17,054	17,054	0.27	2.60	2.74	17,837
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.78	0.66	0.49	8.13	0.00	0.00	3.43	3.43	0.00	0.80	0.80	—	2,614	2,614	0.03	0.02	0.80	2,623
Vendor	0.16	0.10	3.65	1.37	0.03	0.03	1.22	1.25	0.03	0.34	0.37	—	2,823	2,823	0.05	0.43	0.45	2,953
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2040) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.71	12.4	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.96	0.80	6.71	12.4	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.82	0.69	5.76	10.6	0.02	0.12	—	0.12	0.11	—	0.11	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.15	0.13	1.05	1.94	< 0.005	0.02	—	0.02	0.02	—	0.02	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.39	4.57	2.59	70.2	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,703	21,703	0.19	0.19	11.9	21,777
Vendor	1.12	0.72	24.4	9.46	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	21,438	21,438	0.35	3.33	6.35	22,445
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.26	4.38	3.60	53.9	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,642	19,642	0.32	0.19	0.31	19,707
Vendor	1.05	0.65	26.0	9.78	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	21,469	21,469	0.35	3.33	0.16	22,470
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	4.52	3.82	2.33	48.1	0.00	0.00	20.7	20.7	0.00	4.85	4.85	—	17,302	17,302	0.22	0.16	4.42	17,360
Vendor	0.94	0.60	21.8	8.26	0.19	0.19	7.35	7.54	0.19	2.03	2.22	—	18,437	18,437	0.30	2.86	2.35	19,300
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.83	0.70	0.43	8.77	0.00	0.00	3.78	3.78	0.00	0.89	0.89	—	2,864	2,864	0.04	0.03	0.73	2,874
Vendor	0.17	0.11	3.98	1.51	0.04	0.04	1.34	1.38	0.04	0.37	0.41	—	3,052	3,052	0.05	0.47	0.39	3,195
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2040) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.40	0.36	2.52	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.39	4.57	2.59	70.2	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,703	21,703	0.19	0.19	11.9	21,777
Vendor	1.12	0.72	24.4	9.46	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	21,438	21,438	0.35	3.33	6.35	22,445
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.26	4.38	3.60	53.9	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,642	19,642	0.32	0.19	0.31	19,707
Vendor	1.05	0.65	26.0	9.78	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	21,469	21,469	0.35	3.33	0.16	22,470
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.52	3.82	2.33	48.1	0.00	0.00	20.7	20.7	0.00	4.85	4.85	—	17,302	17,302	0.22	0.16	4.42	17,360
Vendor	0.94	0.60	21.8	8.26	0.19	0.19	7.35	7.54	0.19	2.03	2.22	—	18,437	18,437	0.30	2.86	2.35	19,300
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.83	0.70	0.43	8.77	0.00	0.00	3.78	3.78	0.00	0.89	0.89	—	2,864	2,864	0.04	0.03	0.73	2,874
Vendor	0.17	0.11	3.98	1.51	0.04	0.04	1.34	1.38	0.04	0.37	0.41	—	3,052	3,052	0.05	0.47	0.39	3,195

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2041) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	6.65	12.3	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	6.65	12.3	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	0.68	5.70	10.6	0.02	0.12	—	0.12	0.11	—	0.11	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.15	0.12	1.04	1.93	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.26	4.44	2.59	69.2	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,589	21,589	0.19	0.19	9.89	21,660
Vendor	1.12	0.72	23.9	9.49	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	21,060	21,060	0.35	3.33	4.90	22,066
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.07	4.19	3.53	52.7	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,538	19,538	0.25	0.19	0.26	19,602
Vendor	1.05	0.65	25.7	9.81	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	21,091	21,091	0.35	3.33	0.13	22,092
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.29	3.59	2.33	46.9	0.00	0.00	20.6	20.6	0.00	4.84	4.84	—	17,163	17,163	0.22	0.16	3.66	17,221
Vendor	0.94	0.60	21.3	8.26	0.19	0.19	7.33	7.52	0.19	2.02	2.22	—	18,062	18,062	0.30	2.85	1.82	18,922
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.78	0.66	0.42	8.57	0.00	0.00	3.77	3.77	0.00	0.88	0.88	—	2,842	2,842	0.04	0.03	0.61	2,851
Vendor	0.17	0.11	3.89	1.51	0.04	0.04	1.34	1.37	0.04	0.37	0.40	—	2,990	2,990	0.05	0.47	0.30	3,133
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2041) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.51	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.26	4.44	2.59	69.2	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,589	21,589	0.19	0.19	9.89	21,660
Vendor	1.12	0.72	23.9	9.49	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	21,060	21,060	0.35	3.33	4.90	22,066
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.07	4.19	3.53	52.7	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,538	19,538	0.25	0.19	0.26	19,602
Vendor	1.05	0.65	25.7	9.81	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	21,091	21,091	0.35	3.33	0.13	22,092
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.29	3.59	2.33	46.9	0.00	0.00	20.6	20.6	0.00	4.84	4.84	—	17,163	17,163	0.22	0.16	3.66	17,221
Vendor	0.94	0.60	21.3	8.26	0.19	0.19	7.33	7.52	0.19	2.02	2.22	—	18,062	18,062	0.30	2.85	1.82	18,922
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.78	0.66	0.42	8.57	0.00	0.00	3.77	3.77	0.00	0.88	0.88	—	2,842	2,842	0.04	0.03	0.61	2,851
Vendor	0.17	0.11	3.89	1.51	0.04	0.04	1.34	1.37	0.04	0.37	0.40	—	2,990	2,990	0.05	0.47	0.30	3,133
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2042) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.95	0.79	6.60	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.79	6.60	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	0.68	5.66	10.6	0.02	0.12	—	0.12	0.11	—	0.11	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.03	1.93	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.07	4.19	2.59	68.2	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,488	21,488	0.19	0.19	8.18	21,558
Vendor	1.12	0.72	23.6	9.26	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	20,723	20,723	0.35	3.10	3.77	21,661
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.01	4.13	2.78	51.5	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,448	19,448	0.25	0.19	0.21	19,511
Vendor	1.05	0.65	25.2	9.58	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	20,754	20,754	0.35	3.10	0.10	21,688
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.18	3.48	2.27	46.0	0.00	0.00	20.6	20.6	0.00	4.84	4.84	—	17,083	17,083	0.22	0.16	3.03	17,140
Vendor	0.94	0.60	21.0	8.07	0.19	0.19	7.33	7.52	0.19	2.02	2.22	—	17,774	17,774	0.30	2.66	1.40	18,576
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.76	0.64	0.41	8.40	0.00	0.00	3.77	3.77	0.00	0.88	0.88	—	2,828	2,828	0.04	0.03	0.50	2,838
Vendor	0.17	0.11	3.84	1.47	0.04	0.04	1.34	1.37	0.04	0.37	0.40	—	2,943	2,943	0.05	0.44	0.23	3,075
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2042) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.40	0.36	2.51	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.07	4.19	2.59	68.2	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,488	21,488	0.19	0.19	8.18	21,558
Vendor	1.12	0.72	23.6	9.26	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	20,723	20,723	0.35	3.10	3.77	21,661
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	5.01	4.13	2.78	51.5	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,448	19,448	0.25	0.19	0.21	19,511
Vendor	1.05	0.65	25.2	9.58	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	20,754	20,754	0.35	3.10	0.10	21,688
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	4.18	3.48	2.27	46.0	0.00	0.00	20.6	20.6	0.00	4.84	4.84	—	17,083	17,083	0.22	0.16	3.03	17,140
Vendor	0.94	0.60	21.0	8.07	0.19	0.19	7.33	7.52	0.19	2.02	2.22	—	17,774	17,774	0.30	2.66	1.40	18,576
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.76	0.64	0.41	8.40	0.00	0.00	3.77	3.77	0.00	0.88	0.88	—	2,828	2,828	0.04	0.03	0.50	2,838
Vendor	0.17	0.11	3.84	1.47	0.04	0.04	1.34	1.37	0.04	0.37	0.40	—	2,943	2,943	0.05	0.44	0.23	3,075
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2043) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.79	6.55	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.79	6.55	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.81	0.67	5.61	10.5	0.02	0.11	—	0.11	0.10	—	0.10	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.02	1.92	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.88	4.06	2.53	67.2	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,401	21,401	0.19	0.19	6.72	21,470
Vendor	1.12	0.70	23.3	9.29	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	20,429	20,429	0.35	3.10	2.88	21,366
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.88	4.06	2.78	51.2	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,370	19,370	0.25	0.19	0.17	19,433
Vendor	1.05	0.65	24.9	9.58	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	20,460	20,460	0.35	3.10	0.07	21,394
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.13	3.37	2.27	45.8	0.00	0.00	20.6	20.6	0.00	4.84	4.84	—	17,014	17,014	0.22	0.16	2.49	17,071
Vendor	0.94	0.60	20.8	8.09	0.19	0.19	7.33	7.52	0.19	2.02	2.22	—	17,522	17,522	0.30	2.66	1.07	18,323
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.75	0.62	0.41	8.36	0.00	0.00	3.77	3.77	0.00	0.88	0.88	—	2,817	2,817	0.04	0.03	0.41	2,826
Vendor	0.17	0.11	3.80	1.48	0.04	0.04	1.34	1.37	0.04	0.37	0.40	—	2,901	2,901	0.05	0.44	0.18	3,034

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2043) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.51	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.88	4.06	2.53	67.2	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,401	21,401	0.19	0.19	6.72	21,470
Vendor	1.12	0.70	23.3	9.29	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	20,429	20,429	0.35	3.10	2.88	21,366
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.88	4.06	2.78	51.2	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,370	19,370	0.25	0.19	0.17	19,433
Vendor	1.05	0.65	24.9	9.58	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	20,460	20,460	0.35	3.10	0.07	21,394
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.13	3.37	2.27	45.8	0.00	0.00	20.6	20.6	0.00	4.84	4.84	—	17,014	17,014	0.22	0.16	2.49	17,071
Vendor	0.94	0.60	20.8	8.09	0.19	0.19	7.33	7.52	0.19	2.02	2.22	—	17,522	17,522	0.30	2.66	1.07	18,323
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.75	0.62	0.41	8.36	0.00	0.00	3.77	3.77	0.00	0.88	0.88	—	2,817	2,817	0.04	0.03	0.41	2,826
Vendor	0.17	0.11	3.80	1.48	0.04	0.04	1.34	1.37	0.04	0.37	0.40	—	2,901	2,901	0.05	0.44	0.18	3,034
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (2044) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.78	6.48	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.78	6.48	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	5.57	10.5	0.02	0.11	—	0.11	0.10	—	0.10	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.02	1.92	< 0.005	0.02	—	0.02	0.02	—	0.02	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.82	3.94	2.53	66.3	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,330	21,330	0.19	0.13	5.53	21,378
Vendor	0.87	0.70	23.0	9.29	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	20,173	20,173	0.35	3.10	2.18	21,109
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.69	3.87	2.72	50.2	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,305	19,305	0.25	0.19	0.14	19,368
Vendor	0.82	0.65	24.6	9.58	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	20,204	20,204	0.35	3.10	0.06	21,138
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.03	3.33	2.28	45.1	0.00	0.00	20.7	20.7	0.00	4.85	4.85	—	17,004	17,004	0.22	0.16	2.05	17,060
Vendor	0.75	0.58	20.6	8.11	0.19	0.19	7.35	7.54	0.19	2.03	2.22	—	17,350	17,350	0.30	2.67	0.81	18,153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.74	0.61	0.42	8.24	0.00	0.00	3.78	3.78	0.00	0.89	0.89	—	2,815	2,815	0.04	0.03	0.34	2,825
Vendor	0.14	0.11	3.76	1.48	0.04	0.04	1.34	1.38	0.04	0.37	0.41	—	2,872	2,872	0.05	0.44	0.13	3,005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (2044) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.52	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.82	3.94	2.53	66.3	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,330	21,330	0.19	0.13	5.53	21,378
Vendor	0.87	0.70	23.0	9.29	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	20,173	20,173	0.35	3.10	2.18	21,109
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.69	3.87	2.72	50.2	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,305	19,305	0.25	0.19	0.14	19,368
Vendor	0.82	0.65	24.6	9.58	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	20,204	20,204	0.35	3.10	0.06	21,138
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.03	3.33	2.28	45.1	0.00	0.00	20.7	20.7	0.00	4.85	4.85	—	17,004	17,004	0.22	0.16	2.05	17,060
Vendor	0.75	0.58	20.6	8.11	0.19	0.19	7.35	7.54	0.19	2.03	2.22	—	17,350	17,350	0.30	2.67	0.81	18,153
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.74	0.61	0.42	8.24	0.00	0.00	3.78	3.78	0.00	0.89	0.89	—	2,815	2,815	0.04	0.03	0.34	2,825
Vendor	0.14	0.11	3.76	1.48	0.04	0.04	1.34	1.38	0.04	0.37	0.41	—	2,872	2,872	0.05	0.44	0.13	3,005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2045) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	6.42	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.92	0.77	6.42	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.79	0.66	5.50	10.4	0.02	0.10	—	0.10	0.09	—	0.09	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.14	0.12	1.00	1.90	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.69	3.87	2.53	66.2	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,268	21,268	0.19	0.13	4.53	21,315
Vendor	0.87	0.70	22.7	9.31	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	19,951	19,951	0.35	3.10	1.62	20,886
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.87	3.81	2.72	50.0	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,248	19,248	0.25	0.19	0.12	19,312
Vendor	0.82	0.62	24.6	9.58	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	19,982	19,982	0.35	3.10	0.04	20,916
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	3.97	3.21	2.22	44.9	0.00	0.00	20.6	20.6	0.00	4.84	4.84	—	16,908	16,908	0.16	0.16	1.67	16,963
Vendor	0.75	0.58	20.3	8.11	0.19	0.19	7.33	7.52	0.19	2.02	2.22	—	17,112	17,112	0.30	2.66	0.60	17,913
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.72	0.59	0.40	8.19	0.00	0.00	3.77	3.77	0.00	0.88	0.88	—	2,799	2,799	0.03	0.03	0.28	2,808
Vendor	0.14	0.11	3.71	1.48	0.04	0.04	1.34	1.37	0.04	0.37	0.40	—	2,833	2,833	0.05	0.44	0.10	2,966
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Building Construction (2045) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.40	0.36	2.51	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.69	3.87	2.53	66.2	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,268	21,268	0.19	0.13	4.53	21,315
Vendor	0.87	0.70	22.7	9.31	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	19,951	19,951	0.35	3.10	1.62	20,886
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.87	3.81	2.72	50.0	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,248	19,248	0.25	0.19	0.12	19,312
Vendor	0.82	0.62	24.6	9.58	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	19,982	19,982	0.35	3.10	0.04	20,916
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.97	3.21	2.22	44.9	0.00	0.00	20.6	20.6	0.00	4.84	4.84	—	16,908	16,908	0.16	0.16	1.67	16,963
Vendor	0.75	0.58	20.3	8.11	0.19	0.19	7.33	7.52	0.19	2.02	2.22	—	17,112	17,112	0.30	2.66	0.60	17,913
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.72	0.59	0.40	8.19	0.00	0.00	3.77	3.77	0.00	0.88	0.88	—	2,799	2,799	0.03	0.03	0.28	2,808
Vendor	0.14	0.11	3.71	1.48	0.04	0.04	1.34	1.37	0.04	0.37	0.40	—	2,833	2,833	0.05	0.44	0.10	2,966

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Building Construction (2046) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	6.38	12.1	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	6.38	12.1	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.57	4.72	8.96	0.02	0.09	—	0.09	0.08	—	0.08	—	1,773	1,773	0.07	0.01	—	1,779
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.12	0.10	0.86	1.64	< 0.005	0.02	—	0.02	0.01	—	0.01	—	294	294	0.01	< 0.005	—	295
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.63	3.81	2.53	65.4	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,215	21,215	0.19	0.13	3.71	21,261
Vendor	0.87	0.70	22.7	9.34	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	19,759	19,759	0.35	3.10	1.18	20,694
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.81	3.68	2.72	49.9	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,201	19,201	0.25	0.19	0.10	19,264
Vendor	0.82	0.65	24.3	9.61	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	19,790	19,790	0.35	3.10	0.03	20,724
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.28	2.68	1.92	38.6	0.00	0.00	17.8	17.8	0.00	4.18	4.18	—	14,556	14,556	0.14	0.14	1.19	14,603
Vendor	0.62	0.50	17.5	6.98	0.17	0.17	6.32	6.49	0.17	1.75	1.91	—	14,626	14,626	0.26	2.30	0.38	15,317
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.49	0.35	7.05	0.00	0.00	3.25	3.25	0.00	0.76	0.76	—	2,410	2,410	0.02	0.02	0.20	2,418
Vendor	0.11	0.09	3.20	1.27	0.03	0.03	1.15	1.18	0.03	0.32	0.35	—	2,421	2,421	0.04	0.38	0.06	2,536
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. Building Construction (2046) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.31	2.17	11.0	0.02	0.06	—	0.06	0.05	—	0.05	—	1,773	1,773	0.07	0.01	—	1,779
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.40	2.01	< 0.005	0.01	—	0.01	0.01	—	0.01	—	294	294	0.01	< 0.005	—	295
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.63	3.81	2.53	65.4	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	21,215	21,215	0.19	0.13	3.71	21,261
Vendor	0.87	0.70	22.7	9.34	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	19,759	19,759	0.35	3.10	1.18	20,694
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.81	3.68	2.72	49.9	0.00	0.00	24.2	24.2	0.00	5.67	5.67	—	19,201	19,201	0.25	0.19	0.10	19,264
Vendor	0.82	0.65	24.3	9.61	0.23	0.23	8.58	8.80	0.23	2.37	2.60	—	19,790	19,790	0.35	3.10	0.03	20,724
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.28	2.68	1.92	38.6	0.00	0.00	17.8	17.8	0.00	4.18	4.18	—	14,556	14,556	0.14	0.14	1.19	14,603
Vendor	0.62	0.50	17.5	6.98	0.17	0.17	6.32	6.49	0.17	1.75	1.91	—	14,626	14,626	0.26	2.30	0.38	15,317
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.49	0.35	7.05	0.00	0.00	3.25	3.25	0.00	0.76	0.76	—	2,410	2,410	0.02	0.02	0.20	2,418
Vendor	0.11	0.09	3.20	1.27	0.03	0.03	1.15	1.18	0.03	0.32	0.35	—	2,421	2,421	0.04	0.38	0.06	2,536
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. Paving (2046) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.45	5.02	9.71	0.01	0.07	—	0.07	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	2.03	2.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.59	1.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	177	177	0.01	< 0.005	—	178
Paving	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.4	29.4	< 0.005	< 0.005	—	29.5
Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	100	100	< 0.005	< 0.005	< 0.005	100

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	< 0.005	12.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.99	1.99	< 0.005	< 0.005	< 0.005	2.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.26. Paving (2046) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.25	2.08	10.5	0.01	0.04	—	0.04	0.04	—	0.04	—	1,511	1,511	0.06	0.01	—	1,516
Paving	2.03	2.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.03	0.03	0.24	1.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	177	177	0.01	< 0.005	—	178
Paving	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.22	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	29.4	29.4	< 0.005	< 0.005	—	29.5
Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	100	100	< 0.005	< 0.005	< 0.005	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.0	12.0	< 0.005	< 0.005	< 0.005	12.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.99	1.99	< 0.005	< 0.005	< 0.005	2.00
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. Paving (2047) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	5.00	9.71	0.01	0.07	—	0.07	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	2.03	2.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.44	5.00	9.71	0.01	0.07	—	0.07	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	2.03	2.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.19	0.16	1.77	3.44	< 0.005	0.03	—	0.03	0.02	—	0.02	—	536	536	0.02	< 0.005	—	538
Paving	0.72	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.03	0.03	0.32	0.63	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	88.7	88.7	< 0.005	< 0.005	—	89.0
Paving	0.13	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.34	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	110	110	< 0.005	< 0.005	0.02	111
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	99.8	99.8	< 0.005	< 0.005	< 0.005	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.09	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.3	36.3	< 0.005	< 0.005	< 0.005	36.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.01	6.01	< 0.005	< 0.005	< 0.005	6.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.28. Paving (2047) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.24	2.08	10.5	0.01	0.04	—	0.04	0.04	—	0.04	—	1,511	1,511	0.06	0.01	—	1,516
Paving	2.03	2.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.24	2.08	10.5	0.01	0.04	—	0.04	0.04	—	0.04	—	1,511	1,511	0.06	0.01	—	1,516
Paving	2.03	2.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.09	0.74	3.71	< 0.005	0.01	—	0.01	0.01	—	0.01	—	536	536	0.02	< 0.005	—	538
Paving	0.72	0.72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.13	0.68	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	88.7	88.7	< 0.005	< 0.005	—	89.0
Paving	0.13	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.34	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	110	110	< 0.005	< 0.005	0.02	111
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	99.8	99.8	< 0.005	< 0.005	< 0.005	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.09	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	36.3	36.3	< 0.005	< 0.005	< 0.005	36.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.01	6.01	< 0.005	< 0.005	< 0.005	6.02
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. Architectural Coating (2047) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	195	195	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	195	195	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.35	0.52	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	63.3	63.3	< 0.005	< 0.005	—	63.5
Architectural Coatings	92.5	92.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.5	10.5	< 0.005	< 0.005	—	10.5
Architectural Coatings	16.9	16.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.91	0.75	0.51	13.0	0.00	0.00	4.84	4.84	0.00	1.13	1.13	—	4,234	4,234	0.04	0.03	0.61	4,244
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.75	0.74	0.54	9.95	0.00	0.00	4.84	4.84	0.00	1.13	1.13	—	3,832	3,832	0.05	0.04	0.02	3,845
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.25	4.87	0.00	0.00	2.28	2.28	0.00	0.54	0.54	—	1,862	1,862	0.02	0.02	0.12	1,868
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.89	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	308	308	< 0.005	< 0.005	0.02	309
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.30. Architectural Coating (2047) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	66.6	66.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	66.6	66.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.35	0.52	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	63.3	63.3	< 0.005	< 0.005	—	63.5

Architect Coatings	31.6	31.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.5	10.5	< 0.005	< 0.005	—	10.5
Architectural Coatings	5.76	5.76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.91	0.75	0.51	13.0	0.00	0.00	4.84	4.84	0.00	1.13	1.13	—	4,234	4,234	0.04	0.03	0.61	4,244
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.75	0.74	0.54	9.95	0.00	0.00	4.84	4.84	0.00	1.13	1.13	—	3,832	3,832	0.05	0.04	0.02	3,845
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.25	4.87	0.00	0.00	2.28	2.28	0.00	0.54	0.54	—	1,862	1,862	0.02	0.02	0.12	1,868
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.06	0.04	0.89	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	308	308	< 0.005	< 0.005	0.02	309
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2038	1/5/2038	6.00	4.00	—
Site Preparation	Site Preparation	1/6/2038	4/25/2038	6.00	94.0	—
Grading	Grading	4/26/2038	2/2/2039	6.00	243	—
Building Construction	Building Construction	2/3/2039	11/11/2046	6.00	2,433	—
Paving	Paving	11/12/2046	5/31/2047	6.00	173	—
Architectural Coating	Architectural Coating	6/1/2047	12/19/2047	6.00	173	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—

Demolition	Worker	15.0	11.9	LDA,LDT1,LDT2
Demolition	Vendor	—	9.10	HHDT,MHDT
Demolition	Hauling	82.8	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.9	LDA,LDT1,LDT2
Grading	Vendor	—	9.10	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	2,880	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	1,124	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	576	11.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT

Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	11.9	LDA,LDT1,LDT2
Demolition	Vendor	—	9.10	HHDT,MHDT
Demolition	Hauling	82.8	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.9	LDA,LDT1,LDT2
Grading	Vendor	—	9.10	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	2,880	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	1,124	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT

Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	576	11.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	10,284,750	3,428,250	428,369

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	28,754	—
Site Preparation	—	—	141	0.00	—
Grading	—	—	729	0.00	—
Paving	0.00	0.00	0.00	0.00	164

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Industrial Park	0.00	0%
Parking Lot	41.9	100%
Other Asphalt Surfaces	92.2	100%
Other Non-Asphalt Surfaces	29.8	0%
City Park	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2038	0.00	204	0.03	< 0.005
2039	0.00	204	0.03	< 0.005
2040	0.00	204	0.03	< 0.005
2041	0.00	204	0.03	< 0.005
2042	0.00	204	0.03	< 0.005
2043	0.00	204	0.03	< 0.005
2044	0.00	204	0.03	< 0.005
2045	0.00	204	0.03	< 0.005
2046	0.00	204	0.03	< 0.005
2047	0.00	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit

Temperature and Extreme Heat	22.1	annual days of extreme heat
Extreme Precipitation	0.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	19.7	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	61.0
AQ-PM	26.8
AQ-DPM	15.7
Drinking Water	60.1
Lead Risk Housing	17.3
Pesticides	83.8
Toxic Releases	18.1

Traffic	25.4
Effect Indicators	—
CleanUp Sites	89.4
Groundwater	97.2
Haz Waste Facilities/Generators	99.4
Impaired Water Bodies	93.4
Solid Waste	93.2
Sensitive Population	—
Asthma	25.2
Cardio-vascular	50.6
Low Birth Weights	52.4
Socioeconomic Factor Indicators	—
Education	68.6
Housing	5.48
Linguistic	31.3
Poverty	21.3
Unemployment	45.8

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	76.83818812
Employed	76.27357885
Median HI	87.89939689
Education	—
Bachelor's or higher	55.29321186
High school enrollment	100

Preschool enrollment	5.222635699
Transportation	—
Auto Access	78.96830489
Active commuting	55.15205954
Social	—
2-parent households	47.76081098
Voting	78.15988708
Neighborhood	—
Alcohol availability	84.49890928
Park access	5.902733222
Retail density	2.746054151
Supermarket access	10.85589632
Tree canopy	64.58360067
Housing	—
Homeownership	65.75131528
Housing habitability	87.28345951
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	88.64365456
Uncrowded housing	49.60862312
Health Outcomes	—
Insured adults	73.18105993
Arthritis	0.0
Asthma ER Admissions	60.1
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0

Diagnosed Diabetes	0.0
Life Expectancy at Birth	51.5
Cognitively Disabled	82.5
Physically Disabled	52.4
Heart Attack ER Admissions	58.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	75.9
English Speaking	47.9
Foreign-born	13.3
Outdoor Workers	22.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	93.9
Traffic Density	13.8
Traffic Access	0.0
Other Indices	—

Hardship	42.3
Other Decision Support	—
2016 Voting	72.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0
Healthy Places Index Score for Project Location (b)	70.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Land uses are based on Project-specific information.
Construction: Construction Phases	Project-specific construction schedule.
Construction: Architectural Coatings	—

Pacific Gateway (West Development Area Construction) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Site Preparation (2047) - Unmitigated

3.2. Site Preparation (2047) - Mitigated

3.3. Grading (2047) - Unmitigated

3.4. Grading (2047) - Mitigated

3.5. Grading (2048) - Unmitigated

3.6. Grading (2048) - Mitigated

3.7. Building Construction (2048) - Unmitigated

3.8. Building Construction (2048) - Mitigated

3.9. Building Construction (2049) - Unmitigated

3.10. Building Construction (2049) - Mitigated

3.11. Building Construction (2050) - Unmitigated

3.12. Building Construction (2050) - Mitigated

3.13. Building Construction (2051) - Unmitigated

3.14. Building Construction (2051) - Mitigated

3.15. Building Construction (2052) - Unmitigated

3.16. Building Construction (2052) - Mitigated

3.17. Building Construction (2053) - Unmitigated

3.18. Building Construction (2053) - Mitigated

3.19. Building Construction (2054) - Unmitigated

3.20. Building Construction (2054) - Mitigated

3.21. Building Construction (2055) - Unmitigated

3.22. Building Construction (2055) - Mitigated

3.23. Building Construction_2055 (2050) - Unmitigated

3.24. Building Construction_2055 (2050) - Mitigated

3.25. Paving (2055) - Unmitigated

3.26. Paving (2055) - Mitigated

3.27. Paving (2056) - Unmitigated

3.28. Paving (2056) - Mitigated

3.29. Paving_2055 (2050) - Unmitigated

3.30. Paving_2055 (2050) - Mitigated

3.31. Paving_2056 (2050) - Unmitigated

3.32. Paving_2056 (2050) - Mitigated

3.33. Architectural Coating (2056) - Unmitigated

3.34. Architectural Coating (2056) - Mitigated

3.35. Architectural Coating_2056 (2050) - Unmitigated

3.36. Architectural Coating_2056 (2050) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Pacific Gateway (West Development Area Construction)
Construction Start Date	1/1/2047
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	6.60
Location	37.649944, -121.397722
County	San Joaquin
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2114
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	6,169	1000sqft	174	6,168,900	1,386,500	—	—	—
Parking Lot	1,331	1000sqft	30.5	0.00	0.00	—	—	—

Other Non-Asphalt Surfaces	899	1000sqft	20.6	0.00	0.00	—	—	—
City Park	58.5	Acre	58.5	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	3,750	1000sqft	86.1	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	188	185	61.6	182	0.47	0.68	67.7	68.3	0.66	16.5	17.1	—	85,051	85,051	1.24	5.49	4.33	86,724
Mit.	71.2	69.1	52.2	188	0.47	0.59	67.7	68.2	0.58	16.5	17.1	—	85,051	85,051	1.24	5.49	4.33	86,724
% Reduced	62%	63%	15%	-3%	—	13%	—	< 0.5%	11%	—	< 0.5%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	186	185	64.9	149	0.47	0.68	67.7	68.3	0.66	16.5	17.1	—	80,785	80,785	1.38	5.63	0.11	82,498
Mit.	69.6	69.0	55.6	155	0.47	0.59	67.7	68.2	0.58	16.5	17.1	—	80,785	80,785	1.38	5.63	0.11	82,498
% Reduced	63%	63%	14%	-4%	—	13%	—	< 0.5%	11%	—	< 0.5%	—	—	—	—	—	—	—

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	91.7	90.9	49.8	120	0.37	0.53	51.0	51.5	0.51	12.5	13.0	—	63,623	63,623	0.99	4.47	1.41	64,982
Mit.	36.0	35.5	43.3	125	0.37	0.46	51.0	51.4	0.46	12.5	12.9	—	63,623	63,623	0.99	4.47	1.41	64,982
% Reduced	61%	61%	13%	-4%	—	12%	—	< 0.5%	10%	—	< 0.5%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.7	16.6	9.10	21.8	0.07	0.10	9.30	9.40	0.09	2.27	2.37	—	10,533	10,533	0.16	0.74	0.23	10,758
Mit.	6.57	6.47	7.91	22.8	0.07	0.08	9.30	9.39	0.08	2.27	2.36	—	10,533	10,533	0.16	0.74	0.23	10,758
% Reduced	61%	61%	13%	-4%	—	12%	—	< 0.5%	10%	—	< 0.5%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2047	2.26	1.90	11.8	21.0	0.06	0.35	19.8	20.2	0.33	10.1	10.5	—	6,743	6,743	0.27	0.05	0.02	6,766
2048	5.80	4.75	28.6	78.8	0.23	0.31	29.5	29.8	0.30	7.23	7.54	—	38,913	38,913	0.58	2.93	2.82	39,803
2049	5.74	4.70	28.6	78.8	0.23	0.31	29.5	29.8	0.30	7.23	7.54	—	38,778	38,778	0.58	2.72	2.28	39,607
2050	188	185	61.6	182	0.47	0.68	67.7	68.3	0.66	16.5	17.1	—	85,051	85,051	1.24	5.49	4.33	86,724
2051	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2052	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2053	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2054	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2055	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2056	175	175	—	—	—	—	8.16	8.16	—	2.04	2.04	—	0.00	0.00	0.00	0.00	—	0.00

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2047	2.25	1.90	11.8	20.9	0.06	0.35	19.8	20.2	0.33	10.1	10.5	—	6,729	6,729	0.27	0.05	< 0.005	6,752
2048	4.99	4.65	30.3	65.0	0.23	0.32	29.5	29.8	0.30	7.23	7.54	—	37,136	37,136	0.64	2.98	0.07	38,041
2049	4.93	4.59	30.3	65.0	0.23	0.31	29.5	29.8	0.30	7.23	7.54	—	37,004	37,004	0.64	2.78	0.06	37,849
2050	186	185	64.9	149	0.47	0.68	67.7	68.3	0.66	16.5	17.1	—	80,785	80,785	1.38	5.63	0.11	82,498
2051	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2052	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2053	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2054	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2055	1.77	1.77	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2056	175	175	—	—	—	—	8.16	8.16	—	2.04	2.04	—	0.00	0.00	0.00	0.00	—	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2047	1.92	1.61	9.50	17.1	0.05	0.29	10.7	11.0	0.27	4.83	5.10	—	5,442	5,442	0.22	0.04	0.01	5,461
2048	4.09	3.78	24.2	54.0	0.18	0.27	23.9	24.1	0.26	5.95	6.21	—	30,173	30,173	0.48	2.37	0.97	30,890
2049	4.22	3.91	25.2	56.9	0.19	0.27	25.2	25.4	0.26	6.18	6.43	—	32,069	32,069	0.50	2.38	0.84	32,793
2050	91.7	90.9	49.8	120	0.37	0.53	51.0	51.5	0.51	12.5	13.0	—	63,623	63,623	0.99	4.47	1.41	64,982
2051	—	—	—	—	—	—	22.6	22.6	—	5.65	5.65	—	0.00	0.00	0.00	0.00	—	0.00
2052	—	—	—	—	—	—	22.7	22.7	—	5.67	5.67	—	0.00	0.00	0.00	0.00	—	0.00
2053	—	—	—	—	—	—	22.6	22.6	—	5.65	5.65	—	0.00	0.00	0.00	0.00	—	0.00
2054	—	—	—	—	—	—	22.6	22.6	—	5.65	5.65	—	0.00	0.00	0.00	0.00	—	0.00
2055	0.21	0.21	—	—	—	—	19.5	19.5	—	4.87	4.87	—	0.00	0.00	0.00	0.00	—	0.00
2056	83.5	83.5	—	—	—	—	3.89	3.89	—	0.97	0.97	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2047	0.35	0.29	1.73	3.13	0.01	0.05	1.96	2.01	0.05	0.88	0.93	—	901	901	0.04	0.01	< 0.005	904
2048	0.75	0.69	4.41	9.85	0.03	0.05	4.36	4.41	0.05	1.09	1.13	—	4,995	4,995	0.08	0.39	0.16	5,114
2049	0.77	0.71	4.60	10.4	0.04	0.05	4.59	4.64	0.05	1.13	1.17	—	5,309	5,309	0.08	0.39	0.14	5,429

2050	16.7	16.6	9.10	21.8	0.07	0.10	9.30	9.40	0.09	2.27	2.37	—	10,533	10,533	0.16	0.74	0.23	10,758
2051	—	—	—	—	—	—	4.13	4.13	—	1.03	1.03	—	0.00	0.00	0.00	0.00	—	0.00
2052	—	—	—	—	—	—	4.14	4.14	—	1.03	1.03	—	0.00	0.00	0.00	0.00	—	0.00
2053	—	—	—	—	—	—	4.13	4.13	—	1.03	1.03	—	0.00	0.00	0.00	0.00	—	0.00
2054	—	—	—	—	—	—	4.13	4.13	—	1.03	1.03	—	0.00	0.00	0.00	0.00	—	0.00
2055	0.04	0.04	—	—	—	—	3.55	3.55	—	0.89	0.89	—	0.00	0.00	0.00	0.00	—	0.00
2056	15.2	15.2	—	—	—	—	0.71	0.71	—	0.18	0.18	—	0.00	0.00	0.00	0.00	—	0.00

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2047	0.78	0.75	4.58	35.8	0.06	0.13	19.8	19.9	0.13	10.1	10.2	—	6,743	6,743	0.27	0.05	0.02	6,766
2048	5.35	4.41	25.3	81.8	0.23	0.28	29.5	29.8	0.27	7.23	7.51	—	38,913	38,913	0.58	2.93	2.82	39,803
2049	5.29	4.36	25.3	81.8	0.23	0.28	29.5	29.8	0.27	7.23	7.51	—	38,778	38,778	0.58	2.72	2.28	39,607
2050	71.2	69.1	52.2	188	0.47	0.59	67.7	68.2	0.58	16.5	17.1	—	85,051	85,051	1.24	5.49	4.33	86,724
2051	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2052	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2053	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2054	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2055	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2056	59.2	59.2	—	—	—	—	8.16	8.16	—	2.04	2.04	—	0.00	0.00	0.00	0.00	—	0.00
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2047	0.77	0.75	4.59	35.7	0.06	0.13	19.8	19.9	0.13	10.1	10.2	—	6,729	6,729	0.27	0.05	< 0.005	6,752
2048	4.55	4.31	27.0	68.0	0.23	0.28	29.5	29.8	0.27	7.23	7.51	—	37,136	37,136	0.64	2.98	0.07	38,041

2049	4.49	4.25	27.0	68.0	0.23	0.28	29.5	29.8	0.27	7.23	7.51	—	37,004	37,004	0.64	2.78	0.06	37,849
2050	69.6	69.0	55.6	155	0.47	0.59	67.7	68.2	0.58	16.5	17.1	—	80,785	80,785	1.38	5.63	0.11	82,498
2051	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2052	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2053	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2054	—	—	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2055	1.77	1.77	—	—	—	—	26.5	26.5	—	6.63	6.63	—	0.00	0.00	0.00	0.00	—	0.00
2056	59.2	59.2	—	—	—	—	8.16	8.16	—	2.04	2.04	—	0.00	0.00	0.00	0.00	—	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2047	0.60	0.58	3.43	28.8	0.05	0.10	10.7	10.8	0.10	4.83	4.93	—	5,442	5,442	0.22	0.04	0.01	5,461
2048	3.64	3.43	21.1	57.3	0.18	0.23	23.9	24.1	0.23	5.95	6.18	—	30,173	30,173	0.48	2.37	0.97	30,890
2049	3.84	3.62	22.4	59.4	0.19	0.24	25.2	25.4	0.24	6.18	6.41	—	32,069	32,069	0.50	2.38	0.84	32,793
2050	36.0	35.5	43.3	125	0.37	0.46	51.0	51.4	0.46	12.5	12.9	—	63,623	63,623	0.99	4.47	1.41	64,982
2051	—	—	—	—	—	—	22.6	22.6	—	5.65	5.65	—	0.00	0.00	0.00	0.00	—	0.00
2052	—	—	—	—	—	—	22.7	22.7	—	5.67	5.67	—	0.00	0.00	0.00	0.00	—	0.00
2053	—	—	—	—	—	—	22.6	22.6	—	5.65	5.65	—	0.00	0.00	0.00	0.00	—	0.00
2054	—	—	—	—	—	—	22.6	22.6	—	5.65	5.65	—	0.00	0.00	0.00	0.00	—	0.00
2055	0.21	0.21	—	—	—	—	19.5	19.5	—	4.87	4.87	—	0.00	0.00	0.00	0.00	—	0.00
2056	28.7	28.7	—	—	—	—	3.89	3.89	—	0.97	0.97	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2047	0.11	0.11	0.63	5.26	0.01	0.02	1.96	1.98	0.02	0.88	0.90	—	901	901	0.04	0.01	< 0.005	904
2048	0.66	0.63	3.85	10.5	0.03	0.04	4.36	4.40	0.04	1.09	1.13	—	4,995	4,995	0.08	0.39	0.16	5,114
2049	0.70	0.66	4.08	10.8	0.04	0.04	4.59	4.64	0.04	1.13	1.17	—	5,309	5,309	0.08	0.39	0.14	5,429
2050	6.57	6.47	7.91	22.8	0.07	0.08	9.30	9.39	0.08	2.27	2.36	—	10,533	10,533	0.16	0.74	0.23	10,758
2051	—	—	—	—	—	—	4.13	4.13	—	1.03	1.03	—	0.00	0.00	0.00	0.00	—	0.00
2052	—	—	—	—	—	—	4.14	4.14	—	1.03	1.03	—	0.00	0.00	0.00	0.00	—	0.00
2053	—	—	—	—	—	—	4.13	4.13	—	1.03	1.03	—	0.00	0.00	0.00	0.00	—	0.00
2054	—	—	—	—	—	—	4.13	4.13	—	1.03	1.03	—	0.00	0.00	0.00	0.00	—	0.00

2055	0.04	0.04	—	—	—	—	3.55	3.55	—	0.89	0.89	—	0.00	0.00	0.00	0.00	—	0.00
2056	5.24	5.24	—	—	—	—	0.71	0.71	—	0.18	0.18	—	0.00	0.00	0.00	0.00	—	0.00

3. Construction Emissions Details

3.1. Site Preparation (2047) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.16	1.82	11.8	17.4	0.05	0.35	—	0.35	0.33	—	0.33	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.16	1.82	11.8	17.4	0.05	0.35	—	0.35	0.33	—	0.33	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.47	3.03	4.49	0.01	0.09	—	0.09	0.08	—	0.08	—	1,364	1,364	0.06	0.01	—	1,369
Dust From Material Movement	—	—	—	—	—	—	5.06	5.06	—	2.60	2.60	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.55	0.82	< 0.005	0.02	—	0.02	0.02	—	0.02	—	226	226	0.01	< 0.005	—	227
Dust From Material Movement	—	—	—	—	—	—	0.92	0.92	—	0.47	0.47	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.40	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	129	129	< 0.005	< 0.005	0.02	129
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.30	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	116	116	< 0.005	< 0.005	< 0.005	117
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	30.7	30.7	< 0.005	< 0.005	< 0.005	30.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.09	5.09	< 0.005	< 0.005	< 0.005	5.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2047) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	0.67	7.29	0.01	0.03	—	0.03	0.03	—	0.03	—	1,364	1,364	0.06	0.01	—	1,369
Dust From Material Movement	—	—	—	—	—	—	5.06	5.06	—	2.60	2.60	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.12	1.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	226	226	0.01	< 0.005	—	227
Dust From Material Movement	—	—	—	—	—	—	0.92	0.92	—	0.47	0.47	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.02	0.40	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	129	129	< 0.005	< 0.005	0.02	129

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.30	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	116	116	< 0.005	< 0.005	< 0.005	117
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	30.7	30.7	< 0.005	< 0.005	< 0.005	30.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.09	5.09	< 0.005	< 0.005	< 0.005	5.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2047) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	1.87	10.7	20.6	0.06	0.34	—	0.34	0.31	—	0.31	—	6,596	6,596	0.27	0.05	—	6,619

Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.23	1.87	10.7	20.6	0.06	0.34	—	0.34	0.31	—	0.31	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.34	1.12	6.46	12.4	0.04	0.20	—	0.20	0.19	—	0.19	—	3,965	3,965	0.16	0.03	—	3,979
Dust From Material Movement	—	—	—	—	—	—	5.53	5.53	—	2.20	2.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.21	1.18	2.26	0.01	0.04	—	0.04	0.03	—	0.03	—	657	657	0.03	0.01	—	659

Dust From Material Movement	—	—	—	—	—	—	1.01	1.01	—	0.40	0.40	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.45	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	147	147	< 0.005	< 0.005	0.02	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.35	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	133	133	< 0.005	< 0.005	< 0.005	134
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	82.0	82.0	< 0.005	< 0.005	0.01	82.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	< 0.005	13.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2047) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.72	4.57	35.4	0.06	0.13	—	0.13	0.13	—	0.13	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.72	4.57	35.4	0.06	0.13	—	0.13	0.13	—	0.13	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.43	2.75	21.3	0.04	0.08	—	0.08	0.08	—	0.08	—	3,965	3,965	0.16	0.03	—	3,979
Dust From Material Movement	—	—	—	—	—	—	5.53	5.53	—	2.20	2.20	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.50	3.88	0.01	0.01	—	0.01	0.01	—	0.01	—	657	657	0.03	0.01	—	659
Dust From Material Movement	—	—	—	—	—	—	1.01	1.01	—	0.40	0.40	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.45	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	147	147	< 0.005	< 0.005	0.02	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.35	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	133	133	< 0.005	< 0.005	< 0.005	134
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	82.0	82.0	< 0.005	< 0.005	0.01	82.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.6	13.6	< 0.005	< 0.005	< 0.005	13.6

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2048) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.20	1.84	10.5	20.1	0.06	0.32	—	0.32	0.30	—	0.30	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.71	1.37	< 0.005	0.02	—	0.02	0.02	—	0.02	—	449	449	0.02	< 0.005	—	451
Dust From Material Movement	—	—	—	—	—	—	0.63	0.63	—	0.25	0.25	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.13	0.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	74.4	74.4	< 0.005	< 0.005	—	74.6
Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.34	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	133	133	< 0.005	< 0.005	< 0.005	133
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.27	9.27	< 0.005	< 0.005	< 0.005	9.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2048) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.72	4.57	35.4	0.06	0.13	—	0.13	0.13	—	0.13	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.31	2.41	< 0.005	0.01	—	0.01	0.01	—	0.01	—	449	449	0.02	< 0.005	—	451
Dust From Material Movement	—	—	—	—	—	—	0.63	0.63	—	0.25	0.25	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.44	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	74.4	74.4	< 0.005	< 0.005	—	74.6

Dust From Material Movement	—	—	—	—	—	—	0.11	0.11	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.34	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	133	133	< 0.005	< 0.005	< 0.005	133
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.27	9.27	< 0.005	< 0.005	< 0.005	9.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.54	1.54	< 0.005	< 0.005	< 0.005	1.54
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2048) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	6.26	12.0	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	6.26	12.0	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.60	4.96	9.46	0.02	0.09	—	0.09	0.08	—	0.08	—	1,897	1,897	0.08	0.02	—	1,903
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.11	0.90	1.73	< 0.005	0.02	—	0.02	0.01	—	0.01	—	314	314	0.01	< 0.005	—	315
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	4.11	3.37	2.22	58.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	19,017	19,017	0.17	0.11	2.27	19,058
Vendor	0.78	0.63	20.1	8.20	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,499	17,499	0.31	2.79	0.55	18,340
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.37	3.31	2.44	44.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	17,212	17,212	0.23	0.17	0.06	17,269
Vendor	0.72	0.58	21.6	8.44	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,527	17,527	0.31	2.79	0.01	18,368
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.62	2.58	1.84	36.5	0.00	0.00	17.2	17.2	0.00	4.02	4.02	—	13,959	13,959	0.14	0.14	0.78	14,004
Vendor	0.60	0.48	16.6	6.57	0.16	0.16	6.09	6.25	0.16	1.68	1.84	—	13,858	13,858	0.25	2.21	0.19	14,523
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.47	0.34	6.67	0.00	0.00	3.13	3.13	0.00	0.73	0.73	—	2,311	2,311	0.02	0.02	0.13	2,319
Vendor	0.11	0.09	3.04	1.20	0.03	0.03	1.11	1.14	0.03	0.31	0.34	—	2,294	2,294	0.04	0.37	0.03	2,404
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2048) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	0.33	2.32	11.8	0.02	0.06	—	0.06	0.06	—	0.06	—	1,897	1,897	0.08	0.02	—	1,903
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.42	2.15	< 0.005	0.01	—	0.01	0.01	—	0.01	—	314	314	0.01	< 0.005	—	315
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.11	3.37	2.22	58.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	19,017	19,017	0.17	0.11	2.27	19,058
Vendor	0.78	0.63	20.1	8.20	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,499	17,499	0.31	2.79	0.55	18,340
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	3.37	3.31	2.44	44.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	17,212	17,212	0.23	0.17	0.06	17,269
Vendor	0.72	0.58	21.6	8.44	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,527	17,527	0.31	2.79	0.01	18,368
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.62	2.58	1.84	36.5	0.00	0.00	17.2	17.2	0.00	4.02	4.02	—	13,959	13,959	0.14	0.14	0.78	14,004
Vendor	0.60	0.48	16.6	6.57	0.16	0.16	6.09	6.25	0.16	1.68	1.84	—	13,858	13,858	0.25	2.21	0.19	14,523
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.47	0.34	6.67	0.00	0.00	3.13	3.13	0.00	0.73	0.73	—	2,311	2,311	0.02	0.02	0.13	2,319
Vendor	0.11	0.09	3.04	1.20	0.03	0.03	1.11	1.14	0.03	0.31	0.34	—	2,294	2,294	0.04	0.37	0.03	2,404
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2049) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	0.76	6.22	11.9	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.90	0.76	6.22	11.9	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.65	5.34	10.2	0.02	0.09	—	0.09	0.09	—	0.09	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.97	1.87	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.05	3.31	2.22	58.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	18,992	18,992	0.17	0.11	1.89	19,032
Vendor	0.78	0.63	20.1	8.20	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,390	17,390	0.31	2.59	0.39	18,170
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.31	3.26	2.44	44.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	17,189	17,189	0.23	0.17	0.05	17,246
Vendor	0.72	0.58	21.6	8.44	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,418	17,418	0.31	2.59	0.01	18,198
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.79	2.74	2.00	39.5	0.00	0.00	18.6	18.6	0.00	4.35	4.35	—	15,099	15,099	0.15	0.15	0.70	15,147
Vendor	0.65	0.52	17.8	7.12	0.17	0.17	6.59	6.77	0.17	1.82	2.00	—	14,916	14,916	0.27	2.22	0.14	15,584
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.50	0.36	7.21	0.00	0.00	3.39	3.39	0.00	0.79	0.79	—	2,500	2,500	0.02	0.02	0.12	2,508
Vendor	0.12	0.09	3.26	1.30	0.03	0.03	1.20	1.23	0.03	0.33	0.36	—	2,469	2,469	0.04	0.37	0.02	2,580
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2049) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.51	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.05	3.31	2.22	58.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	18,992	18,992	0.17	0.11	1.89	19,032
Vendor	0.78	0.63	20.1	8.20	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,390	17,390	0.31	2.59	0.39	18,170
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.31	3.26	2.44	44.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	17,189	17,189	0.23	0.17	0.05	17,246
Vendor	0.72	0.58	21.6	8.44	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,418	17,418	0.31	2.59	0.01	18,198
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.79	2.74	2.00	39.5	0.00	0.00	18.6	18.6	0.00	4.35	4.35	—	15,099	15,099	0.15	0.15	0.70	15,147
Vendor	0.65	0.52	17.8	7.12	0.17	0.17	6.59	6.77	0.17	1.82	2.00	—	14,916	14,916	0.27	2.22	0.14	15,584
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.51	0.50	0.36	7.21	0.00	0.00	3.39	3.39	0.00	0.79	0.79	—	2,500	2,500	0.02	0.02	0.12	2,508
Vendor	0.12	0.09	3.26	1.30	0.03	0.03	1.20	1.23	0.03	0.33	0.36	—	2,469	2,469	0.04	0.37	0.02	2,580
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2050) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	0.75	6.19	11.9	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	0.75	6.19	11.9	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.65	5.31	10.2	0.02	0.09	—	0.09	0.09	—	0.09	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.12	0.97	1.87	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.94	3.20	2.22	58.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	18,972	18,972	0.17	0.11	1.58	19,012
Vendor	0.78	0.63	19.9	8.20	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,296	17,296	0.31	2.59	0.27	18,076
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.31	3.20	2.44	44.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	17,170	17,170	0.23	0.17	0.04	17,227
Vendor	0.72	0.58	21.4	8.44	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,324	17,324	0.31	2.59	0.01	18,104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.79	2.69	2.00	39.5	0.00	0.00	18.6	18.6	0.00	4.35	4.35	—	15,083	15,083	0.15	0.15	0.59	15,131
Vendor	0.65	0.52	17.8	7.12	0.17	0.17	6.59	6.77	0.17	1.82	2.00	—	14,835	14,835	0.27	2.22	0.10	15,504
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.49	0.36	7.21	0.00	0.00	3.39	3.39	0.00	0.79	0.79	—	2,497	2,497	0.02	0.02	0.10	2,505
Vendor	0.12	0.09	3.25	1.30	0.03	0.03	1.20	1.23	0.03	0.33	0.36	—	2,456	2,456	0.04	0.37	0.02	2,567
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2050) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.51	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.94	3.20	2.22	58.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	18,972	18,972	0.17	0.11	1.58	19,012
Vendor	0.78	0.63	19.9	8.20	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,296	17,296	0.31	2.59	0.27	18,076
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.31	3.20	2.44	44.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	17,170	17,170	0.23	0.17	0.04	17,227
Vendor	0.72	0.58	21.4	8.44	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,324	17,324	0.31	2.59	0.01	18,104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.79	2.69	2.00	39.5	0.00	0.00	18.6	18.6	0.00	4.35	4.35	—	15,083	15,083	0.15	0.15	0.59	15,131
Vendor	0.65	0.52	17.8	7.12	0.17	0.17	6.59	6.77	0.17	1.82	2.00	—	14,835	14,835	0.27	2.22	0.10	15,504
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.49	0.36	7.21	0.00	0.00	3.39	3.39	0.00	0.79	0.79	—	2,497	2,497	0.02	0.02	0.10	2,505
Vendor	0.12	0.09	3.25	1.30	0.03	0.03	1.20	1.23	0.03	0.33	0.36	—	2,456	2,456	0.04	0.37	0.02	2,567
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2051) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	17.4	17.4	—	4.35	4.35	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	5.20	5.20	—	1.30	1.30	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	—	—	—	—	—	—	3.18	3.18	—	0.79	0.79	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.95	0.95	—	0.24	0.24	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.14. Building Construction (2051) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	17.4	17.4	—	4.35	4.35	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	5.20	5.20	—	1.30	1.30	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	3.18	3.18	—	0.79	0.79	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.95	0.95	—	0.24	0.24	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.15. Building Construction (2052) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	17.5	17.5	—	4.37	4.37	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	5.21	5.21	—	1.30	1.30	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	3.19	3.19	—	0.80	0.80	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.95	0.95	—	0.24	0.24	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.16. Building Construction (2052) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	17.5	17.5	—	4.37	4.37	—	—	—	—	—	—	—

Vendor	—	—	—	—	—	—	5.21	5.21	—	1.30	1.30	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	3.19	3.19	—	0.80	0.80	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.95	0.95	—	0.24	0.24	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.17. Building Construction (2053) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	17.4	17.4	—	4.35	4.35	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	5.20	5.20	—	1.30	1.30	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	3.18	3.18	—	0.79	0.79	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.95	0.95	—	0.24	0.24	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.18. Building Construction (2053) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	17.4	17.4	—	4.35	4.35	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	5.20	5.20	—	1.30	1.30	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	3.18	3.18	—	0.79	0.79	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.95	0.95	—	0.24	0.24	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.19. Building Construction (2054) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—

Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	17.4	17.4	—	4.35	4.35	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	5.20	5.20	—	1.30	1.30	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	3.18	3.18	—	0.79	0.79	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.95	0.95	—	0.24	0.24	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.20. Building Construction (2054) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	17.4	17.4	—	4.35	4.35	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	5.20	5.20	—	1.30	1.30	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	3.18	3.18	—	0.79	0.79	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.95	0.95	—	0.24	0.24	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.21. Building Construction (2055) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	15.0	15.0	—	3.74	3.74	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	4.47	4.47	—	1.12	1.12	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	—	—	—	—	—	—	2.73	2.73	—	0.68	0.68	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.82	0.82	—	0.20	0.20	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.22. Building Construction (2055) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	20.4	20.4	—	5.10	5.10	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	6.10	6.10	—	1.52	1.52	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	15.0	15.0	—	3.74	3.74	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	4.47	4.47	—	1.12	1.12	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	2.73	2.73	—	0.68	0.68	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.82	0.82	—	0.20	0.20	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.23. Building Construction_2055 (2050) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	0.75	6.19	11.9	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.90	0.75	6.19	11.9	0.02	0.11	—	0.11	0.10	—	0.10	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.66	0.56	4.56	8.80	0.02	0.08	—	0.08	0.07	—	0.07	—	1,766	1,766	0.07	0.01	—	1,772
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.12	0.10	0.83	1.61	< 0.005	0.01	—	0.01	0.01	—	0.01	—	292	292	0.01	< 0.005	—	293
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.94	3.20	2.22	58.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	18,972	18,972	0.17	0.11	1.58	19,012
Vendor	0.78	0.63	19.9	8.20	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,296	17,296	0.31	2.59	0.27	18,076
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.31	3.20	2.44	44.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	17,170	17,170	0.23	0.17	0.04	17,227
Vendor	0.72	0.58	21.4	8.44	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,324	17,324	0.31	2.59	0.01	18,104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	2.40	2.32	1.72	34.0	0.00	0.00	16.0	16.0	0.00	3.74	3.74	—	12,969	12,969	0.13	0.13	0.51	13,010
Vendor	0.56	0.45	15.3	6.12	0.15	0.15	5.67	5.82	0.15	1.57	1.72	—	12,756	12,756	0.23	1.91	0.08	13,330
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.42	0.31	6.20	0.00	0.00	2.92	2.92	0.00	0.68	0.68	—	2,147	2,147	0.02	0.02	0.08	2,154
Vendor	0.10	0.08	2.80	1.12	0.03	0.03	1.03	1.06	0.03	0.29	0.31	—	2,112	2,112	0.04	0.32	0.01	2,207
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. Building Construction_2055 (2050) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.34	0.31	2.16	11.0	0.02	0.06	—	0.06	0.05	—	0.05	—	1,766	1,766	0.07	0.01	—	1,772
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.39	2.01	< 0.005	0.01	—	0.01	0.01	—	0.01	—	292	292	0.01	< 0.005	—	293
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.94	3.20	2.22	58.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	18,972	18,972	0.17	0.11	1.58	19,012
Vendor	0.78	0.63	19.9	8.20	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,296	17,296	0.31	2.59	0.27	18,076
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.31	3.20	2.44	44.6	0.00	0.00	21.8	21.8	0.00	5.10	5.10	—	17,170	17,170	0.23	0.17	0.04	17,227
Vendor	0.72	0.58	21.4	8.44	0.20	0.20	7.72	7.92	0.20	2.13	2.34	—	17,324	17,324	0.31	2.59	0.01	18,104
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.40	2.32	1.72	34.0	0.00	0.00	16.0	16.0	0.00	3.74	3.74	—	12,969	12,969	0.13	0.13	0.51	13,010
Vendor	0.56	0.45	15.3	6.12	0.15	0.15	5.67	5.82	0.15	1.57	1.72	—	12,756	12,756	0.23	1.91	0.08	13,330
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.42	0.31	6.20	0.00	0.00	2.92	2.92	0.00	0.68	0.68	—	2,147	2,147	0.02	0.02	0.08	2,154
Vendor	0.10	0.08	2.80	1.12	0.03	0.03	1.03	1.06	0.03	0.29	0.31	—	2,112	2,112	0.04	0.32	0.01	2,207

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. Paving (2055) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	1.77	1.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.21	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	0.12	0.12	—	0.03	0.03	—	—	—	—	—	—	—

Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.26. Paving (2055) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	1.77	1.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.21	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Paving	0.04	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	0.12	0.12	—	0.03	0.03	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.27. Paving (2056) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	1.77	1.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	1.77	1.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.63	0.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	0.12	0.12	—	0.03	0.03	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	0.12	0.12	—	0.03	0.03	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—

Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.28. Paving (2056) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	1.77	1.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	1.77	1.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.63	0.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Paving	0.11	0.11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	0.12	0.12	—	0.03	0.03	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	0.12	0.12	—	0.03	0.03	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.29. Paving_2055 (2050) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.42	4.88	9.68	0.01	0.06	—	0.06	0.06	—	0.06	—	1,511	1,511	0.06	0.01	—	1,516
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.59	1.17	< 0.005	0.01	—	0.01	0.01	—	0.01	—	182	182	0.01	< 0.005	—	183
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.21	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.1	30.1	< 0.005	< 0.005	—	30.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	99.4	99.4	< 0.005	< 0.005	< 0.005	99.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	< 0.005	12.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.03	2.03	< 0.005	< 0.005	< 0.005	2.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.30. Paving_2055 (2050) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.24	2.07	10.4	0.01	0.04	—	0.04	0.04	—	0.04	—	1,511	1,511	0.06	0.01	—	1,516
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	1.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	182	182	0.01	< 0.005	—	183

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.1	30.1	< 0.005	< 0.005	—	30.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	99.4	99.4	< 0.005	< 0.005	< 0.005	99.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	< 0.005	12.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.03	2.03	< 0.005	< 0.005	< 0.005	2.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.31. Paving_2056 (2050) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.42	4.88	9.68	0.01	0.06	—	0.06	0.06	—	0.06	—	1,511	1,511	0.06	0.01	—	1,516
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.42	4.88	9.68	0.01	0.06	—	0.06	0.06	—	0.06	—	1,511	1,511	0.06	0.01	—	1,516
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.71	3.39	< 0.005	0.02	—	0.02	0.02	—	0.02	—	530	530	0.02	< 0.005	—	532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.31	0.62	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	87.7	87.7	< 0.005	< 0.005	—	88.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.34	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	110	110	< 0.005	< 0.005	0.01	110
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	99.4	99.4	< 0.005	< 0.005	< 0.005	99.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.09	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35.7	35.7	< 0.005	< 0.005	< 0.005	35.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.91	5.91	< 0.005	< 0.005	< 0.005	5.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.32. Paving_2056 (2050) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.26	0.24	2.07	10.4	0.01	0.04	—	0.04	0.04	—	0.04	—	1,511	1,511	0.06	0.01	—	1,516
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.24	2.07	10.4	0.01	0.04	—	0.04	0.04	—	0.04	—	1,511	1,511	0.06	0.01	—	1,516
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.73	3.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	530	530	0.02	< 0.005	—	532
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.13	0.67	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	87.7	87.7	< 0.005	< 0.005	—	88.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.34	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	110	110	< 0.005	< 0.005	0.01	110
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	99.4	99.4	< 0.005	< 0.005	< 0.005	99.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.09	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	35.7	35.7	< 0.005	< 0.005	< 0.005	35.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.91	5.91	< 0.005	< 0.005	< 0.005	5.93
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.33. Architectural Coating (2056) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	175	175	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	175	175	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	82.9	82.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	15.1	15.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	8.16	8.16	—	2.04	2.04	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	8.16	8.16	—	2.04	2.04	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	—	—	—	—	—	—	3.85	3.85	—	0.96	0.96	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	0.70	0.70	—	0.18	0.18	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.34. Architectural Coating (2056) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	59.2	59.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	59.2	59.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	28.1	28.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.12	5.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	8.16	8.16	—	2.04	2.04	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	8.16	8.16	—	2.04	2.04	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	3.85	3.85	—	0.96	0.96	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	—	—	—	—	—	—	0.70	0.70	—	0.18	0.18	—	—	—	—	—	—	—
Vendor	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Hauling	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

3.35. Architectural Coating_2056 (2050) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	175	175	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	175	175	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.05	0.04	0.35	0.52	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	63.3	63.3	< 0.005	< 0.005	—	63.5
Architectural Coatings	82.9	82.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.5	10.5	< 0.005	< 0.005	—	10.5
Architectural Coatings	15.1	15.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.57	1.28	0.89	23.4	0.00	0.00	8.71	8.71	0.00	2.04	2.04	—	7,589	7,589	0.07	0.05	0.63	7,605
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.33	1.28	0.98	17.8	0.00	0.00	8.71	8.71	0.00	2.04	2.04	—	6,868	6,868	0.09	0.07	0.02	6,891
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.60	0.44	8.74	0.00	0.00	4.11	4.11	0.00	0.96	0.96	—	3,336	3,336	0.03	0.03	0.13	3,347

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.08	1.60	0.00	0.00	0.75	0.75	0.00	0.18	0.18	—	552	552	0.01	0.01	0.02	554
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.36. Architectural Coating_2056 (2050) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	59.2	59.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134

Architectural Coatings	59.2	59.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.35	0.52	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	63.3	63.3	< 0.005	< 0.005	—	63.5
Architectural Coatings	28.1	28.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.5	10.5	< 0.005	< 0.005	—	10.5
Architectural Coatings	5.12	5.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.57	1.28	0.89	23.4	0.00	0.00	8.71	8.71	0.00	2.04	2.04	—	7,589	7,589	0.07	0.05	0.63	7,605
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.33	1.28	0.98	17.8	0.00	0.00	8.71	8.71	0.00	2.04	2.04	—	6,868	6,868	0.09	0.07	0.02	6,891
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.60	0.44	8.74	0.00	0.00	4.11	4.11	0.00	0.96	0.96	—	3,336	3,336	0.03	0.03	0.13	3,347
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.08	1.60	0.00	0.00	0.75	0.75	0.00	0.18	0.18	—	552	552	0.01	0.01	0.02	554
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2047	4/19/2047	6.00	94.0	—
Grading	Grading	4/20/2047	1/29/2048	6.00	244	—
Building Construction	Building Construction	1/30/2048	11/10/2055	6.00	2,436	—
Building Construction_2055	Building Construction	1/1/2050	11/10/2050	6.00	269	—
Paving	Paving	11/11/2055	5/30/2056	6.00	173	—
Paving_2055	Paving	11/11/2050	12/31/2050	6.00	44.0	—
Paving_2056	Paving	1/1/2050	5/30/2050	6.00	128	—
Architectural Coating	Architectural Coating	5/31/2056	12/18/2056	6.00	173	—
Architectural Coating_2056	Architectural Coating	5/31/2050	12/18/2050	6.00	173	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40

Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction_2055	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction_2055	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction_2055	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction_2055	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction_2055	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving_2055	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving_2055	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving_2055	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving_2056	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving_2056	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving_2056	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Architectural Coating_2056	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Building Construction_2055	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction_2055	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction_2055	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction_2055	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction_2055	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Paving_2055	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving_2055	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving_2055	Rollers	Diesel	Average	2.00	8.00	36.0	0.38

Paving_2056	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving_2056	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving_2056	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Architectural Coating_2056	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.9	LDA,LDT1,LDT2
Grading	Vendor	—	9.10	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	2,591	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	1,011	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	—	9.10	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	1,036	11.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Building Construction_2055	—	—	—	—
Building Construction_2055	Worker	2,591	11.9	LDA,LDT1,LDT2
Building Construction_2055	Vendor	1,011	9.10	HHDT,MHDT
Building Construction_2055	Hauling	0.00	20.0	HHDT
Building Construction_2055	Onsite truck	—	—	HHDT
Paving_2055	—	—	—	—
Paving_2055	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving_2055	Vendor	—	9.10	HHDT,MHDT
Paving_2055	Hauling	0.00	20.0	HHDT
Paving_2055	Onsite truck	—	—	HHDT
Paving_2056	—	—	—	—
Paving_2056	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving_2056	Vendor	—	9.10	HHDT,MHDT
Paving_2056	Hauling	0.00	20.0	HHDT
Paving_2056	Onsite truck	—	—	HHDT
Architectural Coating_2056	—	—	—	—
Architectural Coating_2056	Worker	1,036	11.9	LDA,LDT1,LDT2
Architectural Coating_2056	Vendor	—	9.10	HHDT,MHDT
Architectural Coating_2056	Hauling	0.00	20.0	HHDT
Architectural Coating_2056	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.9	LDA,LDT1,LDT2
Grading	Vendor	—	9.10	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	2,591	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	1,011	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	1,036	11.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Building Construction_2055	—	—	—	—

Building Construction_2055	Worker	2,591	11.9	LDA,LDT1,LDT2
Building Construction_2055	Vendor	1,011	9.10	HHDT,MHDT
Building Construction_2055	Hauling	0.00	20.0	HHDT
Building Construction_2055	Onsite truck	—	—	HHDT
Paving_2055	—	—	—	—
Paving_2055	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving_2055	Vendor	—	9.10	HHDT,MHDT
Paving_2055	Hauling	0.00	20.0	HHDT
Paving_2055	Onsite truck	—	—	HHDT
Paving_2056	—	—	—	—
Paving_2056	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving_2056	Vendor	—	9.10	HHDT,MHDT
Paving_2056	Hauling	0.00	20.0	HHDT
Paving_2056	Onsite truck	—	—	HHDT
Architectural Coating_2056	—	—	—	—
Architectural Coating_2056	Worker	1,036	11.9	LDA,LDT1,LDT2
Architectural Coating_2056	Vendor	—	9.10	HHDT,MHDT
Architectural Coating_2056	Hauling	0.00	20.0	HHDT
Architectural Coating_2056	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	9,253,350	3,084,450	358,586

Architectural Coating_2056	0.00	0.00	9,253,350	3,084,450	358,586

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	141	0.00	—
Grading	—	—	732	0.00	—
Paving	0.00	0.00	0.00	0.00	137
Paving_2055	0.00	0.00	0.00	0.00	137
Paving_2056	0.00	0.00	0.00	0.00	137

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Industrial Park	0.00	0%
Parking Lot	30.5	100%
Other Non-Asphalt Surfaces	20.6	0%
City Park	0.00	0%
Other Asphalt Surfaces	86.1	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2047	0.00	204	0.03	< 0.005
2048	0.00	204	0.03	< 0.005

2049	0.00	204	0.03	< 0.005
2050	0.00	204	0.03	< 0.005
2051	0.00	204	0.03	< 0.005
2052	0.00	204	0.03	< 0.005
2053	0.00	204	0.03	< 0.005
2054	0.00	204	0.03	< 0.005
2055	0.00	204	0.03	< 0.005
2056	0.00	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	22.1	annual days of extreme heat
Extreme Precipitation	0.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	19.7	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	61.0
AQ-PM	26.8
AQ-DPM	15.7
Drinking Water	60.1
Lead Risk Housing	17.3
Pesticides	83.8
Toxic Releases	18.1
Traffic	25.4
Effect Indicators	—
CleanUp Sites	89.4
Groundwater	97.2
Haz Waste Facilities/Generators	99.4
Impaired Water Bodies	93.4
Solid Waste	93.2
Sensitive Population	—
Asthma	25.2
Cardio-vascular	50.6
Low Birth Weights	52.4
Socioeconomic Factor Indicators	—

Education	68.6
Housing	5.48
Linguistic	31.3
Poverty	21.3
Unemployment	45.8

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	76.83818812
Employed	76.27357885
Median HI	87.89939689
Education	—
Bachelor's or higher	55.29321186
High school enrollment	100
Preschool enrollment	5.222635699
Transportation	—
Auto Access	78.96830489
Active commuting	55.15205954
Social	—
2-parent households	47.76081098
Voting	78.15988708
Neighborhood	—
Alcohol availability	84.49890928
Park access	5.902733222
Retail density	2.746054151
Supermarket access	10.85589632

Tree canopy	64.58360067
Housing	—
Homeownership	65.75131528
Housing habitability	87.28345951
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	88.64365456
Uncrowded housing	49.60862312
Health Outcomes	—
Insured adults	73.18105993
Arthritis	0.0
Asthma ER Admissions	60.1
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	51.5
Cognitively Disabled	82.5
Physically Disabled	52.4
Heart Attack ER Admissions	58.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—

Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	75.9
English Speaking	47.9
Foreign-born	13.3
Outdoor Workers	22.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	93.9
Traffic Density	13.8
Traffic Access	0.0
Other Indices	—
Hardship	42.3
Other Decision Support	—
2016 Voting	72.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0
Healthy Places Index Score for Project Location (b)	70.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Project-specific schedule.
Land Use	Land uses are based on Project-specific information.
Construction: Architectural Coatings	—

Pacific Gateway (Gateway Center Development Area Construction) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Site Preparation (2032) - Unmitigated

3.2. Site Preparation (2032) - Mitigated

3.3. Grading (2032) - Unmitigated

3.4. Grading (2032) - Mitigated

3.5. Grading (2033) - Unmitigated

3.6. Grading (2033) - Mitigated

3.7. Building Construction (2033) - Unmitigated

3.8. Building Construction (2033) - Mitigated

3.9. Building Construction (2034) - Unmitigated

3.10. Building Construction (2034) - Mitigated

3.11. Building Construction (2035) - Unmitigated

3.12. Building Construction (2035) - Mitigated

3.13. Building Construction (2036) - Unmitigated

3.14. Building Construction (2036) - Mitigated

3.15. Building Construction (2037) - Unmitigated

3.16. Building Construction (2037) - Mitigated

3.17. Building Construction (2038) - Unmitigated

3.18. Building Construction (2038) - Mitigated

3.19. Building Construction (2039) - Unmitigated

3.20. Building Construction (2039) - Mitigated

3.21. Building Construction (2040) - Unmitigated

3.22. Building Construction (2040) - Mitigated

3.23. Building Construction (2041) - Unmitigated

3.24. Building Construction (2041) - Mitigated

3.25. Building Construction (2042) - Unmitigated

3.26. Building Construction (2042) - Mitigated

3.27. Building Construction (2043) - Unmitigated

3.28. Building Construction (2043) - Mitigated

3.29. Building Construction (2044) - Unmitigated

3.30. Building Construction (2044) - Mitigated

3.31. Building Construction (2045) - Unmitigated

3.32. Building Construction (2045) - Mitigated

3.33. Paving (2045) - Unmitigated

3.34. Paving (2045) - Mitigated

3.35. Paving (2046) - Unmitigated

3.36. Paving (2046) - Mitigated

3.37. Architectural Coating (2046) - Unmitigated

3.38. Architectural Coating (2046) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Pacific Gateway (Gateway Center Development Area Construction)
Construction Start Date	1/1/2032
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	6.60
Location	37.649944, -121.397722
County	San Joaquin
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2114
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	525	1000sqft	15.8	525,400	163,561	—	—	—
Parking Lot	510	1000sqft	11.7	0.00	0.00	—	—	—

Other Asphalt Surfaces	583	1000sqft	13.4	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	132	1000sqft	3.00	0.00	0.00	—	—	—
City Park	9.00	Acre	9.00	0.00	0.00	0.00	—	—
Hotel	120	Room	0.60	174,240	15,554	—	—	—
Gasoline/Service Station	8.00	Pump	0.60	20,000	7,402	—	—	—
Convenience Market (24 hour)	8.00	1000sqft	0.70	8,000	21,113	—	—	—
Fast Food Restaurant with Drive Thru	13.6	1000sqft	1.20	13,600	35,892	—	—	—
High Turnover (Sit Down Restaurant)	14.0	1000sqft	1.20	14,000	36,948	—	—	—
Fast Food Restaurant w/o Drive Thru	4.00	1000sqft	0.30	4,000	10,556	—	—	—
Bank (with Drive-Through)	5.00	1000sqft	0.40	5,000	13,196	—	—	—
Strip Mall	5.00	1000sqft	0.40	5,000	13,196	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-13	Use Low-VOC Paints for Construction

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.7	14.6	22.3	26.4	0.06	0.93	19.8	20.7	0.85	10.1	11.0	—	7,848	7,848	0.27	0.46	7.34	7,998
Mit.	8.34	8.30	6.60	36.0	0.06	0.14	19.8	19.9	0.14	10.1	10.2	—	7,848	7,848	0.27	0.46	7.34	7,998
% Reduced	43%	43%	70%	-36%	—	85%	—	4%	83%	—	7%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.7	14.6	22.3	26.3	0.06	0.93	19.8	20.7	0.85	10.1	11.0	—	7,607	7,607	0.27	0.46	0.19	7,750
Mit.	8.32	8.30	6.92	35.9	0.06	0.14	19.8	19.9	0.14	10.1	10.2	—	7,607	7,607	0.27	0.46	0.19	7,750
% Reduced	43%	43%	69%	-37%	—	85%	—	4%	83%	—	7%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.9	10.9	17.8	22.5	0.05	0.73	12.2	13.0	0.67	5.76	6.44	—	6,467	6,467	0.21	0.40	2.31	6,592
Mit.	6.21	6.18	5.67	27.9	0.05	0.11	12.2	12.4	0.11	5.76	5.87	—	6,467	6,467	0.21	0.40	2.31	6,592
% Reduced	43%	43%	68%	-24%	—	85%	—	5%	84%	—	9%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.99	1.99	3.26	4.11	0.01	0.13	2.23	2.37	0.12	1.05	1.18	—	1,071	1,071	0.03	0.07	0.38	1,091
Mit.	1.13	1.13	1.03	5.10	0.01	0.02	2.23	2.25	0.02	1.05	1.07	—	1,071	1,071	0.03	0.07	0.38	1,091
% Reduced	43%	43%	68%	-24%	—	85%	—	5%	84%	—	9%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	3.26	2.75	22.3	26.4	0.06	0.93	19.8	20.7	0.85	10.1	11.0	—	6,760	6,760	0.27	0.05	0.30	6,783
2033	3.02	2.55	18.6	25.8	0.06	0.73	9.37	10.1	0.68	3.69	4.37	—	7,848	7,848	0.27	0.46	7.34	7,998
2034	1.92	1.69	11.0	23.4	0.05	0.22	3.64	3.86	0.20	0.89	1.10	—	7,728	7,728	0.17	0.46	6.25	7,877
2035	1.89	1.67	10.8	22.9	0.05	0.20	3.64	3.85	0.19	0.89	1.09	—	7,617	7,617	0.17	0.44	5.29	7,758
2036	1.84	1.62	10.5	22.4	0.05	0.19	3.64	3.84	0.18	0.89	1.08	—	7,517	7,517	0.17	0.44	4.43	7,657
2037	1.79	1.57	10.2	22.0	0.05	0.18	3.64	3.83	0.17	0.89	1.06	—	7,429	7,429	0.17	0.44	3.68	7,568
2038	1.76	1.54	10.0	21.8	0.05	0.18	3.64	3.82	0.16	0.89	1.06	—	7,340	7,340	0.17	0.41	3.04	7,471
2039	1.72	1.42	9.84	21.5	0.05	0.17	3.64	3.82	0.16	0.89	1.05	—	7,271	7,271	0.16	0.41	2.49	7,401
2040	1.68	1.39	9.73	21.2	0.05	0.17	3.64	3.81	0.16	0.89	1.05	—	7,208	7,208	0.16	0.41	2.03	7,338
2041	1.66	1.37	9.61	21.1	0.05	0.16	3.64	3.81	0.15	0.89	1.05	—	7,153	7,153	0.16	0.41	1.65	7,282
2042	1.64	1.34	9.53	20.9	0.05	0.16	3.64	3.80	0.15	0.89	1.04	—	7,104	7,104	0.16	0.39	1.33	7,225
2043	1.61	1.31	9.44	20.8	0.05	0.15	3.64	3.80	0.14	0.89	1.04	—	7,062	7,062	0.16	0.39	1.07	7,182
2044	1.56	1.29	9.34	20.6	0.05	0.15	3.64	3.79	0.14	0.89	1.03	—	7,025	7,025	0.16	0.38	0.86	7,143
2045	0.80	0.71	5.08	10.1	0.01	0.08	0.13	0.20	0.07	0.03	0.10	—	1,621	1,621	0.06	0.01	0.02	1,627
2046	14.7	14.6	0.80	2.54	< 0.005	< 0.005	0.54	0.54	< 0.005	0.13	0.13	—	604	604	0.01	< 0.005	0.08	605
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	3.26	2.75	22.3	26.3	0.06	0.93	19.8	20.7	0.85	10.1	11.0	—	6,744	6,744	0.27	0.05	0.01	6,767
2033	3.02	2.55	18.6	25.7	0.06	0.73	9.37	10.1	0.68	3.69	4.37	—	7,607	7,607	0.27	0.46	0.19	7,750
2034	1.87	1.65	11.4	21.3	0.05	0.22	3.64	3.86	0.20	0.89	1.10	—	7,490	7,490	0.18	0.46	0.16	7,633
2035	1.84	1.62	11.1	20.9	0.05	0.20	3.64	3.85	0.19	0.89	1.09	—	7,382	7,382	0.18	0.44	0.14	7,517
2036	1.81	1.59	10.7	20.5	0.05	0.19	3.64	3.84	0.18	0.89	1.08	—	7,285	7,285	0.17	0.44	0.11	7,420
2037	1.76	1.54	10.5	20.1	0.05	0.18	3.64	3.83	0.17	0.89	1.06	—	7,198	7,198	0.17	0.44	0.10	7,334
2038	1.72	1.42	10.3	19.8	0.05	0.18	3.64	3.82	0.16	0.89	1.06	—	7,112	7,112	0.17	0.41	0.08	7,240
2039	1.70	1.40	10.1	19.6	0.05	0.17	3.64	3.82	0.16	0.89	1.05	—	7,044	7,044	0.17	0.41	0.06	7,172
2040	1.66	1.36	10.0	19.5	0.05	0.17	3.64	3.81	0.16	0.89	1.05	—	6,983	6,983	0.17	0.41	0.05	7,111

2041	1.63	1.33	9.92	19.3	0.05	0.16	3.64	3.81	0.15	0.89	1.05	—	6,929	6,929	0.16	0.41	0.04	7,057
2042	1.62	1.32	9.74	19.1	0.05	0.16	3.64	3.80	0.15	0.89	1.04	—	6,881	6,881	0.16	0.39	0.03	7,002
2043	1.60	1.31	9.65	19.0	0.05	0.15	3.64	3.80	0.14	0.89	1.04	—	6,840	6,840	0.16	0.39	0.03	6,960
2044	1.54	1.28	9.54	18.9	0.05	0.15	3.64	3.79	0.14	0.89	1.03	—	6,804	6,804	0.16	0.39	0.02	6,924
2045	1.44	1.26	9.48	18.8	0.05	0.14	3.64	3.79	0.14	0.89	1.03	—	6,773	6,773	0.16	0.39	0.02	6,893
2046	14.7	14.6	5.04	9.97	0.01	0.07	0.54	0.54	0.07	0.13	0.13	—	1,611	1,611	0.06	0.01	< 0.005	1,616
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	2.72	2.30	17.8	22.5	0.05	0.73	12.2	13.0	0.67	5.76	6.44	—	5,261	5,261	0.21	0.04	0.11	5,279
2033	2.25	1.92	13.8	20.9	0.05	0.48	6.28	6.75	0.44	2.31	2.75	—	6,062	6,062	0.20	0.17	1.03	6,119
2034	1.60	1.40	9.57	18.4	0.04	0.19	3.11	3.30	0.17	0.76	0.94	—	6,467	6,467	0.15	0.40	2.31	6,592
2035	1.58	1.38	9.34	18.1	0.04	0.18	3.11	3.29	0.16	0.76	0.93	—	6,374	6,374	0.15	0.38	1.96	6,492
2036	1.56	1.37	9.10	17.8	0.04	0.17	3.12	3.29	0.16	0.77	0.92	—	6,307	6,307	0.15	0.38	1.65	6,425
2037	1.51	1.32	8.90	17.4	0.04	0.16	3.11	3.27	0.15	0.76	0.91	—	6,216	6,216	0.15	0.38	1.36	6,333
2038	1.48	1.29	8.77	17.2	0.04	0.15	3.11	3.26	0.14	0.76	0.90	—	6,141	6,141	0.14	0.35	1.13	6,252
2039	1.45	1.19	8.61	17.0	0.04	0.15	3.11	3.26	0.14	0.76	0.90	—	6,083	6,083	0.14	0.35	0.92	6,193
2040	1.43	1.18	8.47	16.9	0.04	0.14	3.12	3.26	0.13	0.77	0.90	—	6,047	6,047	0.14	0.36	0.75	6,157
2041	1.40	1.15	8.35	16.7	0.04	0.14	3.11	3.25	0.13	0.76	0.89	—	5,984	5,984	0.14	0.35	0.61	6,094
2042	1.38	1.13	8.27	16.6	0.04	0.14	3.11	3.25	0.13	0.76	0.89	—	5,943	5,943	0.14	0.33	0.49	6,046
2043	1.37	1.11	8.20	16.5	0.04	0.13	3.11	3.24	0.12	0.76	0.89	—	5,907	5,907	0.14	0.33	0.40	6,010
2044	1.33	1.10	8.14	16.4	0.04	0.13	3.12	3.25	0.12	0.77	0.89	—	5,892	5,892	0.14	0.33	0.32	5,995
2045	0.83	0.72	5.18	10.3	0.02	0.08	0.78	0.86	0.07	0.19	0.26	—	2,386	2,386	0.07	0.08	0.06	2,413
2046	10.9	10.9	0.97	2.42	< 0.005	0.01	0.40	0.41	0.01	0.09	0.10	—	543	543	0.01	< 0.005	0.03	545
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.50	0.42	3.26	4.11	0.01	0.13	2.23	2.37	0.12	1.05	1.18	—	871	871	0.03	0.01	0.02	874
2033	0.41	0.35	2.51	3.81	0.01	0.09	1.15	1.23	0.08	0.42	0.50	—	1,004	1,004	0.03	0.03	0.17	1,013
2034	0.29	0.26	1.75	3.36	0.01	0.03	0.57	0.60	0.03	0.14	0.17	—	1,071	1,071	0.02	0.07	0.38	1,091
2035	0.29	0.25	1.70	3.30	0.01	0.03	0.57	0.60	0.03	0.14	0.17	—	1,055	1,055	0.02	0.06	0.32	1,075
2036	0.28	0.25	1.66	3.24	0.01	0.03	0.57	0.60	0.03	0.14	0.17	—	1,044	1,044	0.02	0.06	0.27	1,064

2037	0.28	0.24	1.62	3.18	0.01	0.03	0.57	0.60	0.03	0.14	0.17	—	1,029	1,029	0.02	0.06	0.23	1,049
2038	0.27	0.24	1.60	3.15	0.01	0.03	0.57	0.60	0.03	0.14	0.17	—	1,017	1,017	0.02	0.06	0.19	1,035
2039	0.27	0.22	1.57	3.10	0.01	0.03	0.57	0.59	0.02	0.14	0.16	—	1,007	1,007	0.02	0.06	0.15	1,025
2040	0.26	0.21	1.54	3.08	0.01	0.03	0.57	0.60	0.02	0.14	0.16	—	1,001	1,001	0.02	0.06	0.12	1,019
2041	0.25	0.21	1.52	3.05	0.01	0.03	0.57	0.59	0.02	0.14	0.16	—	991	991	0.02	0.06	0.10	1,009
2042	0.25	0.21	1.51	3.02	0.01	0.02	0.57	0.59	0.02	0.14	0.16	—	984	984	0.02	0.06	0.08	1,001
2043	0.25	0.20	1.50	3.01	0.01	0.02	0.57	0.59	0.02	0.14	0.16	—	978	978	0.02	0.06	0.07	995
2044	0.24	0.20	1.48	3.00	0.01	0.02	0.57	0.59	0.02	0.14	0.16	—	975	975	0.02	0.06	0.05	993
2045	0.15	0.13	0.95	1.88	< 0.005	0.01	0.14	0.16	0.01	0.03	0.05	—	395	395	0.01	0.01	0.01	400
2046	1.99	1.99	0.18	0.44	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	89.9	89.9	< 0.005	< 0.005	< 0.005	90.2

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.82	0.79	4.71	36.0	0.06	0.14	19.8	19.9	0.14	10.1	10.2	—	6,760	6,760	0.27	0.05	0.30	6,783
2033	1.40	1.30	6.60	36.0	0.06	0.14	9.37	9.51	0.14	3.69	3.83	—	7,848	7,848	0.27	0.46	7.34	7,998
2034	1.35	1.24	6.46	25.5	0.05	0.10	3.64	3.75	0.10	0.89	1.00	—	7,728	7,728	0.17	0.46	6.25	7,877
2035	1.34	1.24	6.37	25.1	0.05	0.10	3.64	3.75	0.10	0.89	0.99	—	7,617	7,617	0.17	0.44	5.29	7,758
2036	1.31	1.20	6.29	24.7	0.05	0.10	3.64	3.75	0.10	0.89	0.99	—	7,517	7,517	0.17	0.44	4.43	7,657
2037	1.28	1.17	6.14	24.4	0.05	0.10	3.64	3.75	0.10	0.89	0.99	—	7,429	7,429	0.17	0.44	3.68	7,568
2038	1.25	1.15	6.06	24.2	0.05	0.10	3.64	3.75	0.10	0.89	0.99	—	7,340	7,340	0.17	0.41	3.04	7,471
2039	1.22	1.03	6.00	24.0	0.05	0.10	3.64	3.74	0.10	0.89	0.99	—	7,271	7,271	0.16	0.41	2.49	7,401
2040	1.18	1.00	5.96	23.8	0.05	0.10	3.64	3.74	0.10	0.89	0.99	—	7,208	7,208	0.16	0.41	2.03	7,338
2041	1.17	0.99	5.90	23.6	0.05	0.10	3.64	3.74	0.10	0.89	0.99	—	7,153	7,153	0.16	0.41	1.65	7,282
2042	1.15	0.96	5.86	23.5	0.05	0.10	3.64	3.74	0.10	0.89	0.99	—	7,104	7,104	0.16	0.39	1.33	7,225
2043	1.13	0.94	5.83	23.4	0.05	0.10	3.64	3.74	0.10	0.89	0.99	—	7,062	7,062	0.16	0.39	1.07	7,182

2044	1.09	0.93	5.79	23.3	0.05	0.10	3.64	3.74	0.10	0.89	0.99	—	7,025	7,025	0.16	0.38	0.86	7,143
2045	0.54	0.51	2.10	10.8	0.01	0.04	0.13	0.17	0.04	0.03	0.07	—	1,621	1,621	0.06	0.01	0.02	1,627
2046	8.34	8.30	0.80	2.54	< 0.005	< 0.005	0.54	0.54	< 0.005	0.13	0.13	—	604	604	0.01	< 0.005	0.08	605
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.81	0.78	4.72	35.9	0.06	0.14	19.8	19.9	0.14	10.1	10.2	—	6,744	6,744	0.27	0.05	0.01	6,767
2033	1.34	1.23	6.92	35.8	0.06	0.14	9.37	9.51	0.14	3.69	3.83	—	7,607	7,607	0.27	0.46	0.19	7,750
2034	1.31	1.20	6.81	23.4	0.05	0.10	3.64	3.75	0.10	0.89	1.00	—	7,490	7,490	0.18	0.46	0.16	7,633
2035	1.29	1.19	6.68	23.1	0.05	0.10	3.64	3.75	0.10	0.89	0.99	—	7,382	7,382	0.18	0.44	0.14	7,517
2036	1.28	1.17	6.52	22.8	0.05	0.10	3.64	3.75	0.10	0.89	0.99	—	7,285	7,285	0.17	0.44	0.11	7,420
2037	1.25	1.14	6.42	22.5	0.05	0.10	3.64	3.75	0.10	0.89	0.99	—	7,198	7,198	0.17	0.44	0.10	7,334
2038	1.21	1.02	6.35	22.3	0.05	0.10	3.64	3.75	0.10	0.89	0.99	—	7,112	7,112	0.17	0.41	0.08	7,240
2039	1.20	1.01	6.31	22.1	0.05	0.10	3.64	3.74	0.10	0.89	0.99	—	7,044	7,044	0.17	0.41	0.06	7,172
2040	1.16	0.97	6.25	22.0	0.05	0.10	3.64	3.74	0.10	0.89	0.99	—	6,983	6,983	0.17	0.41	0.05	7,111
2041	1.14	0.95	6.21	21.8	0.05	0.10	3.64	3.74	0.10	0.89	0.99	—	6,929	6,929	0.16	0.41	0.04	7,057
2042	1.13	0.95	6.07	21.7	0.05	0.10	3.64	3.74	0.10	0.89	0.99	—	6,881	6,881	0.16	0.39	0.03	7,002
2043	1.12	0.94	6.03	21.7	0.05	0.10	3.64	3.74	0.10	0.89	0.99	—	6,840	6,840	0.16	0.39	0.03	6,960
2044	1.07	0.92	6.00	21.5	0.05	0.10	3.64	3.74	0.10	0.89	0.99	—	6,804	6,804	0.16	0.39	0.02	6,924
2045	0.98	0.91	5.99	21.5	0.05	0.10	3.64	3.74	0.10	0.89	0.99	—	6,773	6,773	0.16	0.39	0.02	6,893
2046	8.32	8.30	2.10	10.7	0.01	0.04	0.54	0.54	0.04	0.13	0.13	—	1,611	1,611	0.06	0.01	< 0.005	1,616
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.59	0.58	3.20	27.9	0.05	0.11	12.2	12.4	0.10	5.76	5.87	—	5,261	5,261	0.21	0.04	0.11	5,279
2033	0.85	0.81	4.68	27.1	0.05	0.11	6.28	6.39	0.11	2.31	2.42	—	6,062	6,062	0.20	0.17	1.03	6,119
2034	1.11	1.02	5.67	20.2	0.04	0.09	3.11	3.20	0.09	0.76	0.85	—	6,467	6,467	0.15	0.40	2.31	6,592
2035	1.11	1.01	5.58	20.0	0.04	0.09	3.11	3.20	0.09	0.76	0.85	—	6,374	6,374	0.15	0.38	1.96	6,492
2036	1.10	1.01	5.51	19.8	0.04	0.09	3.12	3.21	0.08	0.77	0.85	—	6,307	6,307	0.15	0.38	1.65	6,425
2037	1.07	0.98	5.43	19.5	0.04	0.09	3.11	3.20	0.08	0.76	0.85	—	6,216	6,216	0.15	0.38	1.36	6,333

2038	1.04	0.95	5.37	19.3	0.04	0.09	3.11	3.20	0.08	0.76	0.85	—	6,141	6,141	0.14	0.35	1.13	6,252
2039	1.03	0.86	5.31	19.1	0.04	0.09	3.11	3.20	0.08	0.76	0.85	—	6,083	6,083	0.14	0.35	0.92	6,193
2040	1.00	0.85	5.22	19.1	0.04	0.09	3.12	3.21	0.08	0.77	0.85	—	6,047	6,047	0.14	0.36	0.75	6,157
2041	0.98	0.82	5.16	18.9	0.04	0.09	3.11	3.20	0.08	0.76	0.85	—	5,984	5,984	0.14	0.35	0.61	6,094
2042	0.97	0.81	5.13	18.8	0.04	0.09	3.11	3.20	0.08	0.76	0.85	—	5,943	5,943	0.14	0.33	0.49	6,046
2043	0.96	0.80	5.10	18.8	0.04	0.09	3.11	3.20	0.08	0.76	0.85	—	5,907	5,907	0.14	0.33	0.40	6,010
2044	0.93	0.79	5.08	18.7	0.04	0.09	3.12	3.21	0.08	0.77	0.85	—	5,892	5,892	0.14	0.33	0.32	5,995
2045	0.57	0.51	2.53	11.3	0.02	0.05	0.78	0.83	0.04	0.19	0.24	—	2,386	2,386	0.07	0.08	0.06	2,413
2046	6.21	6.18	0.75	2.47	< 0.005	0.01	0.40	0.41	0.01	0.09	0.10	—	543	543	0.01	< 0.005	0.03	545
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.11	0.10	0.58	5.10	0.01	0.02	2.23	2.25	0.02	1.05	1.07	—	871	871	0.03	0.01	0.02	874
2033	0.16	0.15	0.85	4.95	0.01	0.02	1.15	1.17	0.02	0.42	0.44	—	1,004	1,004	0.03	0.03	0.17	1,013
2034	0.20	0.19	1.03	3.69	0.01	0.02	0.57	0.58	0.02	0.14	0.16	—	1,071	1,071	0.02	0.07	0.38	1,091
2035	0.20	0.18	1.02	3.65	0.01	0.02	0.57	0.58	0.02	0.14	0.15	—	1,055	1,055	0.02	0.06	0.32	1,075
2036	0.20	0.18	1.01	3.60	0.01	0.02	0.57	0.59	0.02	0.14	0.16	—	1,044	1,044	0.02	0.06	0.27	1,064
2037	0.19	0.18	0.99	3.55	0.01	0.02	0.57	0.58	0.02	0.14	0.15	—	1,029	1,029	0.02	0.06	0.23	1,049
2038	0.19	0.17	0.98	3.53	0.01	0.02	0.57	0.58	0.02	0.14	0.15	—	1,017	1,017	0.02	0.06	0.19	1,035
2039	0.19	0.16	0.97	3.49	0.01	0.02	0.57	0.58	0.02	0.14	0.15	—	1,007	1,007	0.02	0.06	0.15	1,025
2040	0.18	0.15	0.95	3.48	0.01	0.02	0.57	0.59	0.02	0.14	0.15	—	1,001	1,001	0.02	0.06	0.12	1,019
2041	0.18	0.15	0.94	3.45	0.01	0.02	0.57	0.58	0.02	0.14	0.15	—	991	991	0.02	0.06	0.10	1,009
2042	0.18	0.15	0.94	3.43	0.01	0.02	0.57	0.58	0.02	0.14	0.15	—	984	984	0.02	0.06	0.08	1,001
2043	0.18	0.15	0.93	3.42	0.01	0.02	0.57	0.58	0.02	0.14	0.15	—	978	978	0.02	0.06	0.07	995
2044	0.17	0.14	0.93	3.42	0.01	0.02	0.57	0.59	0.02	0.14	0.15	—	975	975	0.02	0.06	0.05	993
2045	0.10	0.09	0.46	2.07	< 0.005	0.01	0.14	0.15	0.01	0.03	0.04	—	395	395	0.01	0.01	0.01	400
2046	1.13	1.13	0.14	0.45	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	89.9	89.9	< 0.005	< 0.005	< 0.005	90.2

3. Construction Emissions Details

3.1. Site Preparation (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	2.70	22.3	25.7	0.05	0.93	—	0.93	0.85	—	0.85	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	2.70	22.3	25.7	0.05	0.93	—	0.93	0.85	—	0.85	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.30	1.09	8.97	10.4	0.02	0.37	—	0.37	0.34	—	0.34	—	2,133	2,133	0.09	0.02	—	2,140

Dust From Material Movement	—	—	—	—	—	—	7.92	7.92	—	4.07	4.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.64	1.89	< 0.005	0.07	—	0.07	0.06	—	0.06	—	353	353	0.01	< 0.005	—	354
Dust From Material Movement	—	—	—	—	—	—	1.44	1.44	—	0.74	0.74	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	143	143	< 0.005	< 0.005	0.27	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.45	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	130	130	< 0.005	< 0.005	0.01	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.18	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	53.5	53.5	< 0.005	< 0.005	0.05	53.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.85	8.85	< 0.005	< 0.005	0.01	8.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.2. Site Preparation (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	1.04	11.4	0.02	0.04	—	0.04	0.04	—	0.04	—	2,133	2,133	0.09	0.02	—	2,140
Dust From Material Movement	—	—	—	—	—	—	7.92	7.92	—	4.07	4.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.19	2.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	353	353	0.01	< 0.005	—	354
Dust From Material Movement	—	—	—	—	—	—	1.44	1.44	—	0.74	0.74	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	143	143	< 0.005	< 0.005	0.27	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.45	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	130	130	< 0.005	< 0.005	0.01	130

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.18	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	53.5	53.5	< 0.005	< 0.005	0.05	53.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.85	8.85	< 0.005	< 0.005	0.01	8.89
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Grading (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.05	2.56	19.4	25.8	0.06	0.79	—	0.79	0.73	—	0.73	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.05	2.56	19.4	25.8	0.06	0.79	—	0.79	0.73	—	0.73	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.39	1.17	8.84	11.7	0.03	0.36	—	0.36	0.33	—	0.33	—	3,005	3,005	0.12	0.02	—	3,015
Dust From Material Movement	—	—	—	—	—	—	4.19	4.19	—	1.66	1.66	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	1.61	2.14	0.01	0.07	—	0.07	0.06	—	0.06	—	498	498	0.02	< 0.005	—	499
Dust From Material Movement	—	—	—	—	—	—	0.77	0.77	—	0.30	0.30	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.65	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	164	164	< 0.005	< 0.005	0.30	164
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.51	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	148	148	< 0.005	< 0.005	0.01	149
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.24	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	69.1	69.1	< 0.005	< 0.005	0.06	69.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.4	11.4	< 0.005	< 0.005	0.01	11.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Grading (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	0.74	4.68	35.4	0.06	0.14	—	0.14	0.14	—	0.14	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	0.74	4.68	35.4	0.06	0.14	—	0.14	0.14	—	0.14	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.34	2.13	16.1	0.03	0.07	—	0.07	0.06	—	0.06	—	3,005	3,005	0.12	0.02	—	3,015
Dust From Material Movement	—	—	—	—	—	—	4.19	4.19	—	1.66	1.66	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.39	2.94	0.01	0.01	—	0.01	0.01	—	0.01	—	498	498	0.02	< 0.005	—	499
Dust From Material Movement	—	—	—	—	—	—	0.77	0.77	—	0.30	0.30	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.65	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	164	164	< 0.005	< 0.005	0.30	164
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.51	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	148	148	< 0.005	< 0.005	0.01	149
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.24	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	69.1	69.1	< 0.005	< 0.005	0.06	69.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.4	11.4	< 0.005	< 0.005	0.01	11.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	2.97	2.50	18.5	25.2	0.06	0.73	—	0.73	0.68	—	0.68	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.97	2.50	18.5	25.2	0.06	0.73	—	0.73	0.68	—	0.68	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.64	1.38	10.2	13.9	0.03	0.41	—	0.41	0.37	—	0.37	—	3,640	3,640	0.15	0.03	—	3,653
Dust From Material Movement	—	—	—	—	—	—	5.08	5.08	—	2.02	2.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.30	0.25	1.87	2.54	0.01	0.07	—	0.07	0.07	—	0.07	—	603	603	0.02	< 0.005	—	605

Dust From Material Movement	—	—	—	—	—	—	0.93	0.93	—	0.37	0.37	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.02	0.62	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.26	162
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.48	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	146	146	< 0.005	< 0.005	0.01	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.28	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	82.6	82.6	< 0.005	< 0.005	0.06	82.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.01	13.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	0.73	4.67	35.4	0.06	0.14	—	0.14	0.14	—	0.14	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	0.73	4.67	35.4	0.06	0.14	—	0.14	0.14	—	0.14	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.40	2.58	19.5	0.03	0.08	—	0.08	0.08	—	0.08	—	3,640	3,640	0.15	0.03	—	3,653
Dust From Material Movement	—	—	—	—	—	—	5.08	5.08	—	2.02	2.02	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.47	3.56	0.01	0.01	—	0.01	0.01	—	0.01	—	603	603	0.02	< 0.005	—	605
Dust From Material Movement	—	—	—	—	—	—	0.93	0.93	—	0.37	0.37	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.02	0.62	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.26	162
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.48	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	146	146	< 0.005	< 0.005	0.01	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.28	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	82.6	82.6	< 0.005	< 0.005	0.06	82.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.7	13.7	< 0.005	< 0.005	0.01	13.7

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.05	0.88	7.67	12.8	0.02	0.20	—	0.20	0.19	—	0.19	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.27	2.34	3.90	0.01	0.06	—	0.06	0.06	—	0.06	—	732	732	0.03	0.01	—	734
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.06	0.05	0.43	0.71	< 0.005	0.01	—	0.01	0.01	—	0.01	—	121	121	< 0.005	< 0.005	—	122
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.81	0.79	0.40	9.88	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,577	2,577	0.04	0.02	4.21	2,588
Vendor	0.13	0.08	3.23	1.17	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,875	2,875	0.04	0.42	3.13	3,005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.76	0.74	0.52	7.71	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,332	2,332	0.04	0.02	0.11	2,339
Vendor	0.12	0.07	3.43	1.20	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,878	2,878	0.04	0.42	0.08	3,006
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.15	2.44	0.00	0.00	0.82	0.82	0.00	0.19	0.19	—	729	729	0.01	0.01	0.56	732
Vendor	0.04	0.02	1.03	0.36	0.01	0.01	0.29	0.30	0.01	0.08	0.09	—	878	878	0.01	0.13	0.41	917
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.45	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	121	121	< 0.005	< 0.005	0.09	121
Vendor	0.01	< 0.005	0.19	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	145	145	< 0.005	0.02	0.07	152
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.42	2.97	14.9	0.02	0.08	—	0.08	0.08	—	0.08	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.42	2.97	14.9	0.02	0.08	—	0.08	0.08	—	0.08	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.13	0.91	4.55	0.01	0.02	—	0.02	0.02	—	0.02	—	732	732	0.03	0.01	—	734
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.17	0.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	121	121	< 0.005	< 0.005	—	122
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.81	0.79	0.40	9.88	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,577	2,577	0.04	0.02	4.21	2,588
Vendor	0.13	0.08	3.23	1.17	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,875	2,875	0.04	0.42	3.13	3,005
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.76	0.74	0.52	7.71	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,332	2,332	0.04	0.02	0.11	2,339
Vendor	0.12	0.07	3.43	1.20	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,878	2,878	0.04	0.42	0.08	3,006
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.23	0.23	0.15	2.44	0.00	0.00	0.82	0.82	0.00	0.19	0.19	—	729	729	0.01	0.01	0.56	732
Vendor	0.04	0.02	1.03	0.36	0.01	0.01	0.29	0.30	0.01	0.08	0.09	—	878	878	0.01	0.13	0.41	917
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.45	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	121	121	< 0.005	< 0.005	0.09	121
Vendor	0.01	< 0.005	0.19	0.07	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	145	145	< 0.005	0.02	0.07	152
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.88	0.74	6.45	10.9	0.02	0.16	—	0.16	0.15	—	0.15	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.18	2.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.76	0.75	0.39	9.46	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,544	2,544	0.03	0.02	3.63	2,555
Vendor	0.13	0.08	3.11	1.14	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,787	2,787	0.04	0.42	2.63	2,917
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.72	0.71	0.51	7.32	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,303	2,303	0.04	0.02	0.09	2,310
Vendor	0.12	0.07	3.34	1.18	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,790	2,790	0.04	0.42	0.07	2,918
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.61	0.60	0.35	6.46	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	2,023	2,023	0.03	0.02	1.34	2,030
Vendor	0.11	0.06	2.78	0.99	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	2,390	2,390	0.04	0.36	0.97	2,500
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.18	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	335	335	< 0.005	< 0.005	0.22	336
Vendor	0.02	0.01	0.51	0.18	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	396	396	0.01	0.06	0.16	414
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.96	14.9	0.02	0.08	—	0.08	0.08	—	0.08	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.46	0.42	2.96	14.9	0.02	0.08	—	0.08	0.08	—	0.08	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.54	12.8	0.02	0.07	—	0.07	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.76	0.75	0.39	9.46	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,544	2,544	0.03	0.02	3.63	2,555
Vendor	0.13	0.08	3.11	1.14	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,787	2,787	0.04	0.42	2.63	2,917
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.72	0.71	0.51	7.32	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,303	2,303	0.04	0.02	0.09	2,310
Vendor	0.12	0.07	3.34	1.18	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,790	2,790	0.04	0.42	0.07	2,918
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.61	0.60	0.35	6.46	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	2,023	2,023	0.03	0.02	1.34	2,030
Vendor	0.11	0.06	2.78	0.99	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	2,390	2,390	0.04	0.36	0.97	2,500
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.18	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	335	335	< 0.005	< 0.005	0.22	336
Vendor	0.02	0.01	0.51	0.18	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	396	396	0.01	0.06	0.16	414
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.87	0.73	6.29	10.9	0.02	0.15	—	0.15	0.14	—	0.14	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.15	1.98	< 0.005	0.03	—	0.03	0.03	—	0.03	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.75	0.74	0.39	9.05	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,516	2,516	0.03	0.02	3.11	2,526
Vendor	0.13	0.08	3.02	1.11	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,705	2,705	0.04	0.40	2.18	2,827
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.71	0.70	0.50	7.03	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,277	2,277	0.04	0.02	0.08	2,284
Vendor	0.12	0.07	3.22	1.15	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,708	2,708	0.04	0.40	0.06	2,828
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.61	0.59	0.35	6.24	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	2,000	2,000	0.03	0.02	1.15	2,007
Vendor	0.11	0.06	2.70	0.97	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	2,320	2,320	0.04	0.34	0.81	2,423
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.11	0.11	0.06	1.14	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	331	331	< 0.005	< 0.005	0.19	332
Vendor	0.02	0.01	0.49	0.18	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	384	384	0.01	0.06	0.13	401
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.95	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.95	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.53	12.8	0.02	0.07	—	0.07	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.75	0.74	0.39	9.05	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,516	2,516	0.03	0.02	3.11	2,526
Vendor	0.13	0.08	3.02	1.11	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,705	2,705	0.04	0.40	2.18	2,827
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.71	0.70	0.50	7.03	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,277	2,277	0.04	0.02	0.08	2,284
Vendor	0.12	0.07	3.22	1.15	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,708	2,708	0.04	0.40	0.06	2,828
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.61	0.59	0.35	6.24	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	2,000	2,000	0.03	0.02	1.15	2,007
Vendor	0.11	0.06	2.70	0.97	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	2,320	2,320	0.04	0.34	0.81	2,423
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.14	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	331	331	< 0.005	< 0.005	0.19	332
Vendor	0.02	0.01	0.49	0.18	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	384	384	0.01	0.06	0.13	401
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	0.83	7.12	12.6	0.02	0.17	—	0.17	0.16	—	0.16	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	0.83	7.12	12.6	0.02	0.17	—	0.17	0.16	—	0.16	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	0.71	6.12	10.8	0.02	0.14	—	0.14	0.13	—	0.13	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.12	1.98	< 0.005	0.03	—	0.03	0.02	—	0.02	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.72	0.71	0.38	8.65	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,490	2,490	0.03	0.02	2.64	2,500
Vendor	0.13	0.08	2.96	1.11	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,631	2,631	0.04	0.40	1.79	2,752
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.70	0.68	0.41	6.76	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,254	2,254	0.04	0.02	0.07	2,261
Vendor	0.12	0.07	3.16	1.15	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,634	2,634	0.04	0.40	0.05	2,754
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.59	0.34	5.96	0.00	0.00	2.30	2.30	0.00	0.54	0.54	—	1,985	1,985	0.03	0.02	0.98	1,992
Vendor	0.11	0.06	2.64	0.97	0.02	0.02	0.82	0.85	0.02	0.23	0.25	—	2,262	2,262	0.04	0.34	0.66	2,366
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.09	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	329	329	0.01	< 0.005	0.16	330
Vendor	0.02	0.01	0.48	0.18	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	375	375	0.01	0.06	0.11	392
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.46	0.42	2.95	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.95	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.53	12.8	0.02	0.07	—	0.07	0.06	—	0.06	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.72	0.71	0.38	8.65	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,490	2,490	0.03	0.02	2.64	2,500
Vendor	0.13	0.08	2.96	1.11	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,631	2,631	0.04	0.40	1.79	2,752
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.70	0.68	0.41	6.76	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,254	2,254	0.04	0.02	0.07	2,261
Vendor	0.12	0.07	3.16	1.15	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,634	2,634	0.04	0.40	0.05	2,754
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.59	0.34	5.96	0.00	0.00	2.30	2.30	0.00	0.54	0.54	—	1,985	1,985	0.03	0.02	0.98	1,992
Vendor	0.11	0.06	2.64	0.97	0.02	0.02	0.82	0.85	0.02	0.23	0.25	—	2,262	2,262	0.04	0.34	0.66	2,366
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.06	1.09	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	329	329	0.01	< 0.005	0.16	330
Vendor	0.02	0.01	0.48	0.18	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	375	375	0.01	0.06	0.11	392
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.98	0.82	6.99	12.5	0.02	0.16	—	0.16	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.98	0.82	6.99	12.5	0.02	0.16	—	0.16	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.84	0.70	5.99	10.7	0.02	0.14	—	0.14	0.12	—	0.12	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.15	0.13	1.09	1.96	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.69	0.67	0.30	8.42	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,467	2,467	0.03	0.02	2.24	2,477
Vendor	0.13	0.08	2.89	1.09	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,565	2,565	0.04	0.40	1.44	2,686
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.67	0.65	0.41	6.50	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,233	2,233	0.04	0.02	0.06	2,241
Vendor	0.12	0.07	3.07	1.12	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,568	2,568	0.04	0.40	0.04	2,688
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.57	0.55	0.34	5.74	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	1,962	1,962	0.03	0.02	0.83	1,969
Vendor	0.11	0.06	2.57	0.95	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	2,200	2,200	0.04	0.34	0.53	2,303
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.05	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	325	325	< 0.005	< 0.005	0.14	326
Vendor	0.02	0.01	0.47	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	364	364	0.01	0.06	0.09	381
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.94	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.94	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.40	0.36	2.52	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.69	0.67	0.30	8.42	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,467	2,467	0.03	0.02	2.24	2,477
Vendor	0.13	0.08	2.89	1.09	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,565	2,565	0.04	0.40	1.44	2,686
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.67	0.65	0.41	6.50	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,233	2,233	0.04	0.02	0.06	2,241
Vendor	0.12	0.07	3.07	1.12	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,568	2,568	0.04	0.40	0.04	2,688
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.55	0.34	5.74	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	1,962	1,962	0.03	0.02	0.83	1,969
Vendor	0.11	0.06	2.57	0.95	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	2,200	2,200	0.04	0.34	0.53	2,303
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.05	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	325	325	< 0.005	< 0.005	0.14	326
Vendor	0.02	0.01	0.47	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	364	364	0.01	0.06	0.09	381

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	0.81	6.89	12.5	0.02	0.15	—	0.15	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	0.81	6.89	12.5	0.02	0.15	—	0.15	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.70	5.91	10.7	0.02	0.13	—	0.13	0.12	—	0.12	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.15	0.13	1.08	1.95	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.67	0.65	0.29	8.21	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,438	2,438	0.03	0.02	1.89	2,447
Vendor	0.13	0.08	2.83	1.09	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,505	2,505	0.04	0.37	1.15	2,619
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.53	0.41	6.26	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,207	2,207	0.04	0.02	0.05	2,214
Vendor	0.12	0.07	3.01	1.12	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,509	2,509	0.04	0.37	0.03	2,621
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.53	0.34	5.62	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	1,938	1,938	0.02	0.02	0.70	1,945
Vendor	0.11	0.06	2.52	0.95	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	2,149	2,149	0.04	0.32	0.43	2,245
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.03	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	321	321	< 0.005	< 0.005	0.12	322
Vendor	0.02	0.01	0.46	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	356	356	0.01	0.05	0.07	372
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.94	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.94	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.52	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.67	0.65	0.29	8.21	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,438	2,438	0.03	0.02	1.89	2,447
Vendor	0.13	0.08	2.83	1.09	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,505	2,505	0.04	0.37	1.15	2,619
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.53	0.41	6.26	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,207	2,207	0.04	0.02	0.05	2,214
Vendor	0.12	0.07	3.01	1.12	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,509	2,509	0.04	0.37	0.03	2,621
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.53	0.34	5.62	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	1,938	1,938	0.02	0.02	0.70	1,945
Vendor	0.11	0.06	2.52	0.95	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	2,149	2,149	0.04	0.32	0.43	2,245
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.06	1.03	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	321	321	< 0.005	< 0.005	0.12	322
Vendor	0.02	0.01	0.46	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	356	356	0.01	0.05	0.07	372
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.96	0.80	6.78	12.4	0.02	0.15	—	0.15	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.78	12.4	0.02	0.15	—	0.15	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	5.81	10.6	0.02	0.12	—	0.12	0.11	—	0.11	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.06	1.94	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.53	0.29	7.99	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,421	2,421	0.03	0.02	1.58	2,430
Vendor	0.13	0.08	2.77	1.06	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,453	2,453	0.04	0.37	0.91	2,566
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.52	0.40	6.11	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,191	2,191	0.04	0.02	0.04	2,198
Vendor	0.12	0.07	2.97	1.10	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,456	2,456	0.04	0.37	0.02	2,568
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.44	0.33	5.43	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	1,925	1,925	0.02	0.02	0.59	1,931
Vendor	0.11	0.06	2.47	0.92	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	2,103	2,103	0.03	0.32	0.34	2,200
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.99	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	319	319	< 0.005	< 0.005	0.10	320
Vendor	0.02	0.01	0.45	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	348	348	0.01	0.05	0.06	364
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.40	0.36	2.52	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.63	0.53	0.29	7.99	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,421	2,421	0.03	0.02	1.58	2,430
Vendor	0.13	0.08	2.77	1.06	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,453	2,453	0.04	0.37	0.91	2,566
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.52	0.40	6.11	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,191	2,191	0.04	0.02	0.04	2,198
Vendor	0.12	0.07	2.97	1.10	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,456	2,456	0.04	0.37	0.02	2,568
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.52	0.44	0.33	5.43	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	1,925	1,925	0.02	0.02	0.59	1,931
Vendor	0.11	0.06	2.47	0.92	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	2,103	2,103	0.03	0.32	0.34	2,200
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	0.99	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	319	319	< 0.005	< 0.005	0.10	320
Vendor	0.02	0.01	0.45	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	348	348	0.01	0.05	0.06	364
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2040) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.71	12.4	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.71	12.4	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.82	0.69	5.76	10.6	0.02	0.12	—	0.12	0.11	—	0.11	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.05	1.94	< 0.005	0.02	—	0.02	0.02	—	0.02	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.51	0.29	7.79	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,406	2,406	0.02	0.02	1.32	2,414
Vendor	0.13	0.08	2.74	1.06	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,405	2,405	0.04	0.37	0.71	2,518
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.58	0.49	0.40	5.97	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,178	2,178	0.04	0.02	0.03	2,185
Vendor	0.12	0.07	2.92	1.10	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,409	2,409	0.04	0.37	0.02	2,521
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.42	0.26	5.33	0.00	0.00	2.30	2.30	0.00	0.54	0.54	—	1,918	1,918	0.02	0.02	0.49	1,925
Vendor	0.11	0.07	2.44	0.93	0.02	0.02	0.82	0.85	0.02	0.23	0.25	—	2,068	2,068	0.03	0.32	0.26	2,165
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.05	0.97	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	318	318	< 0.005	< 0.005	0.08	319
Vendor	0.02	0.01	0.45	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	342	342	0.01	0.05	0.04	358

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Building Construction (2040) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.52	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.07	0.07	0.46	2.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.51	0.29	7.79	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,406	2,406	0.02	0.02	1.32	2,414
Vendor	0.13	0.08	2.74	1.06	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,405	2,405	0.04	0.37	0.71	2,518
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.58	0.49	0.40	5.97	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,178	2,178	0.04	0.02	0.03	2,185
Vendor	0.12	0.07	2.92	1.10	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,409	2,409	0.04	0.37	0.02	2,521
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.42	0.26	5.33	0.00	0.00	2.30	2.30	0.00	0.54	0.54	—	1,918	1,918	0.02	0.02	0.49	1,925
Vendor	0.11	0.07	2.44	0.93	0.02	0.02	0.82	0.85	0.02	0.23	0.25	—	2,068	2,068	0.03	0.32	0.26	2,165
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.05	0.97	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	318	318	< 0.005	< 0.005	0.08	319
Vendor	0.02	0.01	0.45	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	342	342	0.01	0.05	0.04	358
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Building Construction (2041) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	6.65	12.3	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	6.65	12.3	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	0.68	5.70	10.6	0.02	0.12	—	0.12	0.11	—	0.11	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.04	1.93	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.58	0.49	0.29	7.67	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,394	2,394	0.02	0.02	1.10	2,401
Vendor	0.13	0.08	2.68	1.06	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,363	2,363	0.04	0.37	0.55	2,476
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.46	0.39	5.84	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,166	2,166	0.03	0.02	0.03	2,173
Vendor	0.12	0.07	2.88	1.10	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,366	2,366	0.04	0.37	0.01	2,479
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.40	0.26	5.21	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	1,903	1,903	0.02	0.02	0.41	1,909
Vendor	0.11	0.07	2.39	0.93	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	2,026	2,026	0.03	0.32	0.20	2,123
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.07	0.05	0.95	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	315	315	< 0.005	< 0.005	0.07	316
Vendor	0.02	0.01	0.44	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	335	335	0.01	0.05	0.03	351
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. Building Construction (2041) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.51	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.58	0.49	0.29	7.67	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,394	2,394	0.02	0.02	1.10	2,401
Vendor	0.13	0.08	2.68	1.06	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,363	2,363	0.04	0.37	0.55	2,476
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.46	0.39	5.84	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,166	2,166	0.03	0.02	0.03	2,173
Vendor	0.12	0.07	2.88	1.10	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,366	2,366	0.04	0.37	0.01	2,479
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.40	0.26	5.21	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	1,903	1,903	0.02	0.02	0.41	1,909
Vendor	0.11	0.07	2.39	0.93	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	2,026	2,026	0.03	0.32	0.20	2,123
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.07	0.05	0.95	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	315	315	< 0.005	< 0.005	0.07	316
Vendor	0.02	0.01	0.44	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	335	335	0.01	0.05	0.03	351
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. Building Construction (2042) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.79	6.60	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.95	0.79	6.60	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.81	0.68	5.66	10.6	0.02	0.12	—	0.12	0.11	—	0.11	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.15	0.12	1.03	1.93	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.46	0.29	7.56	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,382	2,382	0.02	0.02	0.91	2,390
Vendor	0.13	0.08	2.64	1.04	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,325	2,325	0.04	0.35	0.42	2,430
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.46	0.31	5.71	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,156	2,156	0.03	0.02	0.02	2,163
Vendor	0.12	0.07	2.83	1.08	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,328	2,328	0.04	0.35	0.01	2,433
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.46	0.39	0.25	5.10	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	1,894	1,894	0.02	0.02	0.34	1,900
Vendor	0.11	0.07	2.36	0.90	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	1,994	1,994	0.03	0.30	0.16	2,084
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.93	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	314	314	< 0.005	< 0.005	0.06	315
Vendor	0.02	0.01	0.43	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	330	330	0.01	0.05	0.03	345
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.26. Building Construction (2042) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.40	0.36	2.51	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.46	0.29	7.56	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,382	2,382	0.02	0.02	0.91	2,390
Vendor	0.13	0.08	2.64	1.04	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,325	2,325	0.04	0.35	0.42	2,430
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.56	0.46	0.31	5.71	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,156	2,156	0.03	0.02	0.02	2,163
Vendor	0.12	0.07	2.83	1.08	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,328	2,328	0.04	0.35	0.01	2,433
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.39	0.25	5.10	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	1,894	1,894	0.02	0.02	0.34	1,900
Vendor	0.11	0.07	2.36	0.90	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	1,994	1,994	0.03	0.30	0.16	2,084
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.93	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	314	314	< 0.005	< 0.005	0.06	315
Vendor	0.02	0.01	0.43	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	330	330	0.01	0.05	0.03	345

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. Building Construction (2043) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.79	6.55	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.79	6.55	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	0.67	5.61	10.5	0.02	0.11	—	0.11	0.10	—	0.10	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.15	0.12	1.02	1.92	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.45	0.28	7.45	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,373	2,373	0.02	0.02	0.75	2,380
Vendor	0.13	0.08	2.61	1.04	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,292	2,292	0.04	0.35	0.32	2,397
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.45	0.31	5.68	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,148	2,148	0.03	0.02	0.02	2,155
Vendor	0.12	0.07	2.79	1.08	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,295	2,295	0.04	0.35	0.01	2,400
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.37	0.25	5.08	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	1,886	1,886	0.02	0.02	0.28	1,893
Vendor	0.11	0.07	2.33	0.91	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	1,966	1,966	0.03	0.30	0.12	2,056
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.93	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	312	312	< 0.005	< 0.005	0.05	313
Vendor	0.02	0.01	0.43	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	325	325	0.01	0.05	0.02	340
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.28. Building Construction (2043) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.51	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.45	0.28	7.45	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,373	2,373	0.02	0.02	0.75	2,380
Vendor	0.13	0.08	2.61	1.04	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,292	2,292	0.04	0.35	0.32	2,397
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.45	0.31	5.68	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,148	2,148	0.03	0.02	0.02	2,155
Vendor	0.12	0.07	2.79	1.08	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,295	2,295	0.04	0.35	0.01	2,400
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.37	0.25	5.08	0.00	0.00	2.29	2.29	0.00	0.54	0.54	—	1,886	1,886	0.02	0.02	0.28	1,893
Vendor	0.11	0.07	2.33	0.91	0.02	0.02	0.82	0.84	0.02	0.23	0.25	—	1,966	1,966	0.03	0.30	0.12	2,056
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.93	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	312	312	< 0.005	< 0.005	0.05	313
Vendor	0.02	0.01	0.43	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	325	325	0.01	0.05	0.02	340
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. Building Construction (2044) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.93	0.78	6.48	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.78	6.48	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	5.57	10.5	0.02	0.11	—	0.11	0.10	—	0.10	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.02	1.92	< 0.005	0.02	—	0.02	0.02	—	0.02	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.44	0.28	7.35	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,365	2,365	0.02	0.01	0.61	2,370
Vendor	0.10	0.08	2.58	1.04	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,263	2,263	0.04	0.35	0.24	2,368
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.43	0.30	5.57	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,140	2,140	0.03	0.02	0.02	2,147
Vendor	0.09	0.07	2.76	1.08	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,267	2,267	0.04	0.35	0.01	2,371
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.45	0.37	0.25	5.00	0.00	0.00	2.30	2.30	0.00	0.54	0.54	—	1,885	1,885	0.02	0.02	0.23	1,892
Vendor	0.08	0.06	2.31	0.91	0.02	0.02	0.82	0.85	0.02	0.23	0.25	—	1,946	1,946	0.03	0.30	0.09	2,037
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.91	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	312	312	< 0.005	< 0.005	0.04	313
Vendor	0.02	0.01	0.42	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	322	322	0.01	0.05	0.02	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.30. Building Construction (2044) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.40	0.36	2.52	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.07	0.07	0.46	2.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.44	0.28	7.35	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,365	2,365	0.02	0.01	0.61	2,370
Vendor	0.10	0.08	2.58	1.04	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,263	2,263	0.04	0.35	0.24	2,368
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.43	0.30	5.57	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,140	2,140	0.03	0.02	0.02	2,147
Vendor	0.09	0.07	2.76	1.08	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,267	2,267	0.04	0.35	0.01	2,371
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.45	0.37	0.25	5.00	0.00	0.00	2.30	2.30	0.00	0.54	0.54	—	1,885	1,885	0.02	0.02	0.23	1,892
Vendor	0.08	0.06	2.31	0.91	0.02	0.02	0.82	0.85	0.02	0.23	0.25	—	1,946	1,946	0.03	0.30	0.09	2,037
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.05	0.91	0.00	0.00	0.42	0.42	0.00	0.10	0.10	—	312	312	< 0.005	< 0.005	0.04	313
Vendor	0.02	0.01	0.42	0.17	< 0.005	< 0.005	0.15	0.15	< 0.005	0.04	0.05	—	322	322	0.01	0.05	0.02	337
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.31. Building Construction (2045) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	6.42	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.24	2.34	< 0.005	0.02	—	0.02	0.02	—	0.02	—	462	462	0.02	< 0.005	—	463
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.03	0.03	0.23	0.43	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	76.4	76.4	< 0.005	< 0.005	—	76.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.42	0.30	5.54	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,134	2,134	0.03	0.02	0.01	2,141
Vendor	0.09	0.07	2.76	1.08	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,242	2,242	0.04	0.35	< 0.005	2,347
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	1.12	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	421	421	< 0.005	< 0.005	0.04	423
Vendor	0.02	0.01	0.51	0.20	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	431	431	0.01	0.07	0.02	451
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.20	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	69.7	69.7	< 0.005	< 0.005	0.01	70.0
Vendor	< 0.005	< 0.005	0.09	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	71.4	71.4	< 0.005	0.01	< 0.005	74.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.32. Building Construction (2045) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.56	2.87	< 0.005	0.01	—	0.01	0.01	—	0.01	—	462	462	0.02	< 0.005	—	463
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.10	0.52	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	76.4	76.4	< 0.005	< 0.005	—	76.7
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.42	0.30	5.54	0.00	0.00	2.68	2.68	0.00	0.63	0.63	—	2,134	2,134	0.03	0.02	0.01	2,141
Vendor	0.09	0.07	2.76	1.08	0.03	0.03	0.96	0.99	0.03	0.27	0.29	—	2,242	2,242	0.04	0.35	< 0.005	2,347
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.08	0.06	1.12	0.00	0.00	0.51	0.51	0.00	0.12	0.12	—	421	421	< 0.005	< 0.005	0.04	423
Vendor	0.02	0.01	0.51	0.20	< 0.005	< 0.005	0.18	0.19	< 0.005	0.05	0.06	—	431	431	0.01	0.07	0.02	451
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.20	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	69.7	69.7	< 0.005	< 0.005	0.01	70.0
Vendor	< 0.005	< 0.005	0.09	0.04	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	71.4	71.4	< 0.005	0.01	< 0.005	74.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.33. Paving (2045) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	0.45	5.07	9.71	0.01	0.08	—	0.08	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	0.45	5.07	9.71	0.01	0.08	—	0.08	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.30	3.37	6.45	0.01	0.05	—	0.05	0.05	—	0.05	—	1,004	1,004	0.04	0.01	—	1,007
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.05	0.61	1.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	166	166	0.01	< 0.005	—	167
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.34	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.02	111
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	100	100	< 0.005	< 0.005	< 0.005	101
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.18	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	68.3	68.3	< 0.005	< 0.005	0.01	68.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	< 0.005	11.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.34. Paving (2045) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.25	2.09	10.5	0.01	0.04	—	0.04	0.04	—	0.04	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.25	2.09	10.5	0.01	0.04	—	0.04	0.04	—	0.04	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.18	0.16	1.39	6.95	0.01	0.03	—	0.03	0.03	—	0.03	—	1,004	1,004	0.04	0.01	—	1,007
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.25	1.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	166	166	0.01	< 0.005	—	167
Paving	0.03	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.34	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.02	111
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	100	100	< 0.005	< 0.005	< 0.005	101
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.01	0.18	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	68.3	68.3	< 0.005	< 0.005	0.01	68.5
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	11.3	11.3	< 0.005	< 0.005	< 0.005	11.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.35. Paving (2046) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.45	5.02	9.71	0.01	0.07	—	0.07	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.38	0.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	114	114	< 0.005	< 0.005	—	114
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.01	0.01	0.07	0.13	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.8	18.8	< 0.005	< 0.005	—	18.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	100	100	< 0.005	< 0.005	< 0.005	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.70	7.70	< 0.005	< 0.005	< 0.005	7.73
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.36. Paving (2046) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.25	2.08	10.5	0.01	0.04	—	0.04	0.04	—	0.04	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.24	0.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.79	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	114	114	< 0.005	< 0.005	—	114
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	18.8	18.8	< 0.005	< 0.005	—	18.9
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	100	100	< 0.005	< 0.005	< 0.005	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.70	7.70	< 0.005	< 0.005	< 0.005	7.73
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.28
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.37. Architectural Coating (2046) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	14.5	14.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	14.5	14.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.81	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	98.8	98.8	< 0.005	< 0.005	—	99.1
Architectural Coatings	10.7	10.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.4	16.4	< 0.005	< 0.005	—	16.4
Architectural Coatings	1.95	1.95	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	1.45	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	470	470	< 0.005	< 0.005	0.08	471
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	1.11	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	426	426	0.01	< 0.005	< 0.005	427
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.86	0.00	0.00	0.40	0.40	0.00	0.09	0.09	—	323	323	< 0.005	< 0.005	0.03	324
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	53.4	53.4	< 0.005	< 0.005	< 0.005	53.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.38. Architectural Coating (2046) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	8.13	8.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	8.13	8.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.55	0.81	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	98.8	98.8	< 0.005	< 0.005	—	99.1
Architectural Coatings	6.01	6.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.10	0.15	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.4	16.4	< 0.005	< 0.005	—	16.4

Architect Coatings	1.10	1.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.06	1.45	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	470	470	< 0.005	< 0.005	0.08	471
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.06	1.11	0.00	0.00	0.54	0.54	0.00	0.13	0.13	—	426	426	0.01	< 0.005	< 0.005	427
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.04	0.86	0.00	0.00	0.40	0.40	0.00	0.09	0.09	—	323	323	< 0.005	< 0.005	0.03	324
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	53.4	53.4	< 0.005	< 0.005	< 0.005	53.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2032	6/20/2032	6.00	147	—
Grading	Grading	6/21/2032	8/23/2033	6.00	368	—
Building Construction	Building Construction	8/24/2033	3/23/2045	6.00	3,626	—
Paving	Paving	3/24/2045	2/1/2046	6.00	270	—
Architectural Coating	Architectural Coating	2/2/2046	12/13/2046	6.00	270	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38

Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29

Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.9	LDA,LDT1,LDT2
Grading	Vendor	—	9.10	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	319	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	126	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2

Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	63.9	11.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.9	LDA,LDT1,LDT2
Grading	Vendor	—	9.10	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	319	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	126	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2

Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	63.9	11.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	1,153,860	384,620	73,487

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	221	0.00	—
Grading	—	—	1,104	0.00	—
Paving	0.00	0.00	0.00	0.00	28.1

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Industrial Park	0.00	0%
Parking Lot	11.7	100%
Other Asphalt Surfaces	13.4	100%
Other Non-Asphalt Surfaces	3.00	0%
City Park	0.00	0%
Hotel	0.00	0%
Gasoline/Service Station	0.00	0%
Convenience Market (24 hour)	0.00	0%
Fast Food Restaurant with Drive Thru	0.00	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Fast Food Restaurant w/o Drive Thru	0.00	0%
Bank (with Drive-Through)	0.00	0%
Strip Mall	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2032	0.00	204	0.03	< 0.005
2033	0.00	204	0.03	< 0.005
2034	0.00	204	0.03	< 0.005
2035	0.00	204	0.03	< 0.005
2036	0.00	204	0.03	< 0.005
2037	0.00	204	0.03	< 0.005
2038	0.00	204	0.03	< 0.005
2039	0.00	204	0.03	< 0.005

2040	0.00	204	0.03	< 0.005
2041	0.00	204	0.03	< 0.005
2042	0.00	204	0.03	< 0.005
2043	0.00	204	0.03	< 0.005
2044	0.00	204	0.03	< 0.005
2045	0.00	204	0.03	< 0.005
2046	0.00	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	22.1	annual days of extreme heat
Extreme Precipitation	0.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	19.7	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	61.0
AQ-PM	26.8
AQ-DPM	15.7
Drinking Water	60.1
Lead Risk Housing	17.3
Pesticides	83.8
Toxic Releases	18.1
Traffic	25.4
Effect Indicators	—
CleanUp Sites	89.4
Groundwater	97.2
Haz Waste Facilities/Generators	99.4
Impaired Water Bodies	93.4
Solid Waste	93.2
Sensitive Population	—
Asthma	25.2
Cardio-vascular	50.6
Low Birth Weights	52.4
Socioeconomic Factor Indicators	—
Education	68.6
Housing	5.48
Linguistic	31.3

Poverty	21.3
Unemployment	45.8

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	76.83818812
Employed	76.27357885
Median HI	87.89939689
Education	—
Bachelor's or higher	55.29321186
High school enrollment	100
Preschool enrollment	5.222635699
Transportation	—
Auto Access	78.96830489
Active commuting	55.15205954
Social	—
2-parent households	47.76081098
Voting	78.15988708
Neighborhood	—
Alcohol availability	84.49890928
Park access	5.902733222
Retail density	2.746054151
Supermarket access	10.85589632
Tree canopy	64.58360067
Housing	—
Homeownership	65.75131528

Housing habitability	87.28345951
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	88.64365456
Uncrowded housing	49.60862312
Health Outcomes	—
Insured adults	73.18105993
Arthritis	0.0
Asthma ER Admissions	60.1
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	51.5
Cognitively Disabled	82.5
Physically Disabled	52.4
Heart Attack ER Admissions	58.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0

Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	75.9
English Speaking	47.9
Foreign-born	13.3
Outdoor Workers	22.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	93.9
Traffic Density	13.8
Traffic Access	0.0
Other Indices	—
Hardship	42.3
Other Decision Support	—
2016 Voting	72.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0
Healthy Places Index Score for Project Location (b)	70.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Land uses are based on Project-specific information.
Construction: Construction Phases	Project-specific schedule.

Pacific Gateway (University Center Development Area Construction) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

2.2. Construction Emissions by Year, Unmitigated

2.3. Construction Emissions by Year, Mitigated

3. Construction Emissions Details

3.1. Demolition (2032) - Unmitigated

3.2. Demolition (2032) - Mitigated

3.3. Site Preparation (2032) - Unmitigated

3.4. Site Preparation (2032) - Mitigated

3.5. Grading (2032) - Unmitigated

3.6. Grading (2032) - Mitigated

3.7. Grading (2033) - Unmitigated

3.8. Grading (2033) - Mitigated

3.9. Grading (2034) - Unmitigated

3.10. Grading (2034) - Mitigated

3.11. Building Construction (2034) - Unmitigated

3.12. Building Construction (2034) - Mitigated

3.13. Building Construction (2035) - Unmitigated

3.14. Building Construction (2035) - Mitigated

3.15. Building Construction (2036) - Unmitigated

3.16. Building Construction (2036) - Mitigated

3.17. Building Construction (2037) - Unmitigated

3.18. Building Construction (2037) - Mitigated

3.19. Building Construction (2038) - Unmitigated

3.20. Building Construction (2038) - Mitigated

3.21. Building Construction (2039) - Unmitigated

3.22. Building Construction (2039) - Mitigated

3.23. Building Construction (2040) - Unmitigated

3.24. Building Construction (2040) - Mitigated

3.25. Building Construction (2041) - Unmitigated

3.26. Building Construction (2041) - Mitigated

3.27. Building Construction (2042) - Unmitigated

3.28. Building Construction (2042) - Mitigated

3.29. Building Construction (2043) - Unmitigated

3.30. Building Construction (2043) - Mitigated

3.31. Building Construction (2044) - Unmitigated

3.32. Building Construction (2044) - Mitigated

3.33. Building Construction (2045) - Unmitigated

3.34. Building Construction (2045) - Mitigated

3.35. Building Construction (2046) - Unmitigated

3.36. Building Construction (2046) - Mitigated

3.37. Building Construction (2047) - Unmitigated

3.38. Building Construction (2047) - Mitigated

3.39. Paving (2047) - Unmitigated

3.40. Paving (2047) - Mitigated

3.41. Architectural Coating (2047) - Unmitigated

3.42. Architectural Coating (2047) - Mitigated

3.43. Architectural Coating (2048) - Unmitigated

3.44. Architectural Coating (2048) - Mitigated

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Pacific Gateway (University Center Development Area Construction)
Construction Start Date	1/1/2032
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	6.60
Location	37.649944, -121.397722
County	San Joaquin
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2114
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	93.0	1000sqft	2.70	93,000	25,225	—	—	—
Strip Mall	38.9	1000sqft	1.80	38,900	39,795	—	—	—

Parking Lot	334	1000sqft	7.70	0.00	0.00	—	—	—
University/College (4yr)	4,600	Student	35.9	1,354,200	1,126,852	1,126,852	—	—
Apartments Mid Rise	1,600	Dwelling Unit	4.80	1,536,000	0.00	—	5,168	—
Other Asphalt Surfaces	335	1000sqft	7.70	0.00	0.00	—	—	—
Unenclosed Parking with Elevator	874	Space	1.60	349,600	0.00	—	—	—
Other Non-Asphalt Surfaces	454	1000sqft	10.4	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	56.5	56.4	22.3	73.6	0.12	0.93	19.8	20.7	0.85	10.1	11.0	—	28,048	28,048	0.42	1.73	31.5	28,606
Mit.	56.5	56.4	17.0	75.8	0.12	0.17	19.8	19.9	0.17	10.1	10.2	—	28,048	28,048	0.42	1.73	31.5	28,606
% Reduced	—	—	24%	-3%	—	81%	—	4%	80%	—	7%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	56.4	56.4	23.1	61.0	0.12	0.93	19.8	20.7	0.85	10.1	11.0	—	26,615	26,615	0.51	1.73	0.82	27,145
Mit.	56.4	56.4	18.5	63.1	0.12	0.17	19.8	19.9	0.17	10.1	10.2	—	26,615	26,615	0.51	1.73	0.82	27,145
% Reduced	—	—	20%	-4%	—	81%	—	4%	80%	—	7%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	45.4	45.4	18.9	52.8	0.10	0.72	16.8	17.0	0.66	5.56	6.21	—	22,814	22,814	0.40	1.46	11.5	23,271
Mit.	45.4	45.4	14.8	54.8	0.10	0.15	16.8	17.0	0.15	5.56	5.65	—	22,814	22,814	0.40	1.46	11.5	23,271
% Reduced	—	—	21%	-4%	—	79%	—	< 0.5%	78%	—	9%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.29	8.28	3.44	9.64	0.02	0.13	3.07	3.11	0.12	1.01	1.13	—	3,777	3,777	0.07	0.24	1.90	3,853
Mit.	8.29	8.28	2.71	9.99	0.02	0.03	3.07	3.10	0.03	1.01	1.03	—	3,777	3,777	0.07	0.24	1.90	3,853
% Reduced	—	—	21%	-4%	—	79%	—	< 0.5%	78%	—	9%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	3.26	2.75	22.3	26.4	0.06	0.93	19.8	20.7	0.85	10.1	11.0	—	6,760	6,760	0.27	0.05	0.30	6,783
2033	3.02	2.55	18.6	25.8	0.06	0.73	9.37	10.1	0.68	3.69	4.37	—	6,758	6,758	0.27	0.05	0.26	6,781
2034	6.05	5.62	21.5	73.6	0.12	0.29	19.6	19.9	0.27	4.76	5.03	—	28,048	28,048	0.42	1.73	31.5	28,606
2035	5.95	5.57	21.0	71.0	0.12	0.27	19.6	19.9	0.26	4.76	5.02	—	27,568	27,568	0.42	1.64	26.8	28,094
2036	5.80	5.37	20.5	68.5	0.12	0.26	19.6	19.9	0.25	4.76	5.01	—	27,137	27,137	0.42	1.64	22.5	27,658
2037	5.57	5.15	19.6	66.9	0.12	0.25	19.6	19.9	0.24	4.76	5.00	—	26,756	26,756	0.42	1.64	18.8	27,274
2038	5.44	5.02	19.3	65.6	0.12	0.25	19.6	19.9	0.23	4.76	4.99	—	26,359	26,359	0.42	1.54	15.6	26,845

2039	5.22	4.30	18.9	64.2	0.12	0.24	19.6	19.9	0.23	4.76	4.98	—	26,059	26,059	0.41	1.54	12.9	26,542
2040	5.00	4.13	18.7	62.9	0.12	0.24	19.6	19.9	0.22	4.76	4.98	—	25,793	25,793	0.37	1.54	10.5	26,273
2041	4.91	4.05	18.4	62.2	0.12	0.23	19.6	19.9	0.22	4.76	4.98	—	25,558	25,558	0.37	1.54	8.62	26,036
2042	4.78	3.87	18.2	61.5	0.12	0.23	19.6	19.9	0.22	4.76	4.97	—	25,350	25,350	0.37	1.45	7.01	25,798
2043	4.65	3.77	18.0	60.7	0.12	0.22	19.6	19.9	0.21	4.76	4.97	—	25,169	25,169	0.37	1.45	5.67	25,616
2044	4.49	3.68	17.8	60.1	0.12	0.22	19.6	19.9	0.21	4.76	4.96	—	25,014	25,014	0.37	1.41	4.58	25,447
2045	4.40	3.63	17.6	60.0	0.12	0.21	19.6	19.9	0.20	4.76	4.96	—	24,879	24,879	0.37	1.41	3.69	25,312
2046	4.35	3.59	17.6	59.4	0.12	0.21	19.6	19.9	0.20	4.76	4.96	—	24,764	24,764	0.37	1.41	2.96	25,195
2047	0.70	0.61	5.02	10.0	0.01	0.07	0.13	0.20	0.07	0.03	0.09	—	1,621	1,621	0.06	0.01	0.02	1,626
2048	56.5	56.4	1.07	9.74	< 0.005	< 0.005	3.21	3.21	< 0.005	0.75	0.76	—	2,937	2,937	0.03	0.02	0.34	2,944
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	3.26	2.75	22.3	26.3	0.06	0.93	19.8	20.7	0.85	10.1	11.0	—	6,744	6,744	0.27	0.11	0.03	6,767
2033	3.02	2.55	18.6	25.7	0.06	0.73	9.37	10.1	0.68	3.69	4.37	—	6,742	6,742	0.27	0.05	0.01	6,765
2034	5.80	5.38	23.1	61.0	0.12	0.68	19.6	19.9	0.62	4.76	5.03	—	26,615	26,615	0.51	1.73	0.82	27,145
2035	5.70	5.28	22.4	59.1	0.12	0.27	19.6	19.9	0.26	4.76	5.02	—	26,152	26,152	0.51	1.64	0.69	26,654
2036	5.60	5.18	21.4	57.3	0.12	0.26	19.6	19.9	0.25	4.76	5.01	—	25,736	25,736	0.46	1.64	0.58	26,237
2037	5.41	5.00	20.9	55.6	0.12	0.25	19.6	19.9	0.24	4.76	5.00	—	25,368	25,368	0.46	1.64	0.49	25,869
2038	5.19	4.28	20.6	54.1	0.12	0.25	19.6	19.9	0.23	4.76	4.99	—	24,986	24,986	0.45	1.54	0.40	25,458
2039	5.10	4.19	20.3	53.1	0.12	0.24	19.6	19.9	0.23	4.76	4.98	—	24,696	24,696	0.45	1.54	0.33	25,168
2040	4.88	3.98	20.0	52.2	0.12	0.24	19.6	19.9	0.22	4.76	4.98	—	24,439	24,439	0.45	1.54	0.27	24,911
2041	4.75	3.85	19.8	51.4	0.12	0.23	19.6	19.9	0.22	4.76	4.98	—	24,211	24,211	0.41	1.54	0.22	24,682
2042	4.71	3.80	19.0	50.5	0.12	0.23	19.6	19.9	0.22	4.76	4.97	—	24,010	24,010	0.41	1.45	0.18	24,452
2043	4.62	3.75	18.8	50.3	0.12	0.22	19.6	19.9	0.21	4.76	4.97	—	23,834	23,834	0.41	1.45	0.15	24,277
2044	4.39	3.62	18.6	49.5	0.12	0.22	19.6	19.9	0.21	4.76	4.96	—	23,684	23,684	0.41	1.45	0.12	24,126
2045	3.84	3.56	18.5	49.3	0.12	0.21	19.6	19.9	0.20	4.76	4.96	—	23,553	23,553	0.41	1.45	0.10	23,996
2046	3.79	3.48	18.4	49.2	0.12	0.21	19.6	19.9	0.20	4.76	4.96	—	23,441	23,441	0.41	1.45	0.08	23,883
2047	56.4	56.4	18.2	49.0	0.12	0.21	19.6	19.9	0.20	4.76	4.96	—	23,345	23,345	0.41	1.45	0.06	23,788

2048	56.4	56.4	1.10	7.68	< 0.005	< 0.005	3.21	3.21	< 0.005	0.75	0.76	—	2,671	2,671	0.04	0.03	0.01	2,680
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	2.62	2.21	17.6	21.2	0.04	0.72	11.5	12.2	0.66	5.56	6.21	—	4,792	4,792	0.19	0.05	0.15	4,812
2033	2.59	2.18	15.9	22.1	0.05	0.63	8.03	8.66	0.58	3.17	3.74	—	5,782	5,782	0.23	0.05	0.10	5,802
2034	4.88	4.51	18.9	52.8	0.10	0.25	16.6	16.9	0.24	4.04	4.28	—	22,814	22,814	0.40	1.46	11.5	23,271
2035	4.90	4.50	18.5	51.8	0.10	0.24	16.8	17.0	0.22	4.06	4.28	—	22,699	22,699	0.40	1.40	9.89	23,138
2036	4.83	4.46	18.0	50.1	0.10	0.23	16.8	17.0	0.21	4.07	4.28	—	22,401	22,401	0.40	1.41	8.36	22,839
2037	4.62	4.26	17.6	48.6	0.10	0.22	16.8	17.0	0.21	4.06	4.26	—	22,021	22,021	0.40	1.40	6.96	22,457
2038	4.47	4.11	17.4	47.8	0.10	0.21	16.8	17.0	0.20	4.06	4.26	—	21,691	21,691	0.36	1.32	5.79	22,100
2039	4.35	3.57	17.0	46.6	0.10	0.21	16.8	17.0	0.20	4.06	4.25	—	21,440	21,440	0.35	1.32	4.77	21,848
2040	4.22	3.47	16.5	46.0	0.10	0.20	16.8	17.0	0.19	4.07	4.26	—	21,276	21,276	0.35	1.33	3.92	21,685
2041	4.06	3.31	16.2	45.2	0.10	0.20	16.8	17.0	0.19	4.06	4.25	—	21,022	21,022	0.35	1.32	3.19	21,428
2042	3.98	3.24	16.0	44.5	0.10	0.20	16.8	17.0	0.19	4.06	4.25	—	20,848	20,848	0.35	1.24	2.59	21,229
2043	3.94	3.16	15.9	44.3	0.10	0.19	16.8	17.0	0.18	4.06	4.24	—	20,696	20,696	0.35	1.24	2.10	21,077
2044	3.79	3.12	15.7	43.8	0.10	0.19	16.8	17.0	0.18	4.07	4.25	—	20,623	20,623	0.35	1.25	1.70	21,004
2045	3.73	3.03	15.5	43.6	0.10	0.18	16.8	17.0	0.18	4.06	4.23	—	20,454	20,454	0.32	1.24	1.36	20,833
2046	3.61	2.96	15.5	43.5	0.10	0.18	16.8	17.0	0.17	4.06	4.23	—	20,357	20,357	0.32	1.24	1.10	20,736
2047	1.79	1.72	4.30	8.77	0.01	0.06	0.31	0.37	0.06	0.07	0.13	—	1,559	1,559	0.05	0.02	0.02	1,567
2048	45.4	45.4	0.87	6.36	< 0.005	< 0.005	2.57	2.58	< 0.005	0.60	0.61	—	2,202	2,202	0.02	0.02	0.12	2,209
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.48	0.40	3.21	3.87	0.01	0.13	2.10	2.23	0.12	1.01	1.13	—	793	793	0.03	0.01	0.03	797
2033	0.47	0.40	2.90	4.02	0.01	0.11	1.47	1.58	0.11	0.58	0.68	—	957	957	0.04	0.01	0.02	961
2034	0.89	0.82	3.44	9.64	0.02	0.05	3.03	3.08	0.04	0.74	0.78	—	3,777	3,777	0.07	0.24	1.90	3,853
2035	0.89	0.82	3.37	9.46	0.02	0.04	3.06	3.10	0.04	0.74	0.78	—	3,758	3,758	0.07	0.23	1.64	3,831
2036	0.88	0.81	3.29	9.15	0.02	0.04	3.07	3.11	0.04	0.74	0.78	—	3,709	3,709	0.07	0.23	1.38	3,781
2037	0.84	0.78	3.22	8.87	0.02	0.04	3.06	3.10	0.04	0.74	0.78	—	3,646	3,646	0.07	0.23	1.15	3,718
2038	0.82	0.75	3.17	8.73	0.02	0.04	3.06	3.10	0.04	0.74	0.78	—	3,591	3,591	0.06	0.22	0.96	3,659
2039	0.79	0.65	3.11	8.50	0.02	0.04	3.06	3.10	0.04	0.74	0.78	—	3,550	3,550	0.06	0.22	0.79	3,617

2040	0.77	0.63	3.00	8.39	0.02	0.04	3.07	3.11	0.04	0.74	0.78	—	3,523	3,523	0.06	0.22	0.65	3,590
2041	0.74	0.60	2.95	8.25	0.02	0.04	3.06	3.10	0.03	0.74	0.78	—	3,480	3,480	0.06	0.22	0.53	3,548
2042	0.73	0.59	2.92	8.12	0.02	0.04	3.06	3.10	0.03	0.74	0.77	—	3,452	3,452	0.06	0.21	0.43	3,515
2043	0.72	0.58	2.89	8.08	0.02	0.04	3.06	3.10	0.03	0.74	0.77	—	3,426	3,426	0.06	0.21	0.35	3,490
2044	0.69	0.57	2.87	8.00	0.02	0.03	3.07	3.10	0.03	0.74	0.78	—	3,414	3,414	0.06	0.21	0.28	3,478
2045	0.68	0.55	2.83	7.96	0.02	0.03	3.06	3.09	0.03	0.74	0.77	—	3,386	3,386	0.05	0.21	0.23	3,449
2046	0.66	0.54	2.82	7.94	0.02	0.03	3.06	3.09	0.03	0.74	0.77	—	3,370	3,370	0.05	0.21	0.18	3,433
2047	0.33	0.31	0.78	1.60	< 0.005	0.01	0.06	0.07	0.01	0.01	0.02	—	258	258	0.01	< 0.005	< 0.005	259
2048	8.29	8.28	0.16	1.16	< 0.005	< 0.005	0.47	0.47	< 0.005	0.11	0.11	—	365	365	< 0.005	< 0.005	0.02	366

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.82	0.79	4.71	36.0	0.06	0.14	19.8	19.9	0.14	10.1	10.2	—	6,760	6,760	0.27	0.05	0.30	6,783
2033	0.81	0.78	4.70	36.0	0.06	0.14	9.37	9.51	0.14	3.69	3.83	—	6,758	6,758	0.27	0.05	0.26	6,781
2034	5.49	5.18	17.0	75.8	0.12	0.17	19.6	19.8	0.17	4.76	4.93	—	28,048	28,048	0.42	1.73	31.5	28,606
2035	5.40	5.14	16.6	73.2	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	27,568	27,568	0.42	1.64	26.8	28,094
2036	5.27	4.96	16.3	70.8	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	27,137	27,137	0.42	1.64	22.5	27,658
2037	5.05	4.75	15.6	69.4	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	26,756	26,756	0.42	1.64	18.8	27,274
2038	4.93	4.62	15.3	68.1	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	26,359	26,359	0.42	1.54	15.6	26,845
2039	4.72	3.91	15.1	66.7	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	26,059	26,059	0.41	1.54	12.9	26,542
2040	4.51	3.75	14.9	65.5	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	25,793	25,793	0.37	1.54	10.5	26,273
2041	4.42	3.67	14.7	64.8	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	25,558	25,558	0.37	1.54	8.62	26,036
2042	4.30	3.50	14.5	64.0	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	25,350	25,350	0.37	1.45	7.01	25,798
2043	4.17	3.40	14.4	63.4	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	25,169	25,169	0.37	1.45	5.67	25,616
2044	4.02	3.32	14.3	62.8	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	25,014	25,014	0.37	1.41	4.58	25,447

2045	3.94	3.28	14.1	62.7	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	24,879	24,879	0.37	1.41	3.69	25,312
2046	3.90	3.23	14.1	62.2	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	24,764	24,764	0.37	1.41	2.96	25,195
2047	0.44	0.41	2.09	10.8	0.01	0.04	0.13	0.16	0.04	0.03	0.07	—	1,621	1,621	0.06	0.01	0.02	1,626
2048	56.5	56.4	1.07	9.74	< 0.005	< 0.005	3.21	3.21	< 0.005	0.75	0.76	—	2,937	2,937	0.03	0.02	0.34	2,944
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.81	0.78	5.75	35.9	0.06	0.14	19.8	19.9	0.14	10.1	10.2	—	6,744	6,744	0.27	0.11	0.03	6,767
2033	0.80	0.78	4.71	35.8	0.06	0.14	9.37	9.51	0.14	3.69	3.83	—	6,742	6,742	0.27	0.05	0.01	6,765
2034	5.24	4.94	18.5	63.1	0.12	0.17	19.6	19.8	0.17	4.76	4.93	—	26,615	26,615	0.51	1.73	0.82	27,145
2035	5.15	4.85	18.0	61.3	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	26,152	26,152	0.51	1.64	0.69	26,654
2036	5.07	4.77	17.2	59.6	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	25,736	25,736	0.46	1.64	0.58	26,237
2037	4.90	4.60	16.9	58.0	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	25,368	25,368	0.46	1.64	0.49	25,869
2038	4.69	3.89	16.6	56.5	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	24,986	24,986	0.45	1.54	0.40	25,458
2039	4.60	3.80	16.5	55.6	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	24,696	24,696	0.45	1.54	0.33	25,168
2040	4.39	3.59	16.2	54.7	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	24,439	24,439	0.45	1.54	0.27	24,911
2041	4.26	3.47	16.1	53.9	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	24,211	24,211	0.41	1.54	0.22	24,682
2042	4.22	3.42	15.4	53.1	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	24,010	24,010	0.41	1.45	0.18	24,452
2043	4.14	3.38	15.2	52.9	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	23,834	23,834	0.41	1.45	0.15	24,277
2044	3.92	3.26	15.1	52.2	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	23,684	23,684	0.41	1.45	0.12	24,126
2045	3.37	3.20	15.0	52.1	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	23,553	23,553	0.41	1.45	0.10	23,996
2046	3.33	3.13	14.9	52.0	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	23,441	23,441	0.41	1.45	0.08	23,883
2047	56.4	56.4	14.8	51.9	0.12	0.17	19.6	19.8	0.17	4.76	4.92	—	23,345	23,345	0.41	1.45	0.06	23,788
2048	56.4	56.4	1.10	7.68	< 0.005	< 0.005	3.21	3.21	< 0.005	0.75	0.76	—	2,671	2,671	0.04	0.03	0.01	2,680
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.56	0.54	3.25	25.0	0.04	0.10	11.5	11.6	0.10	5.56	5.65	—	4,792	4,792	0.19	0.05	0.15	4,812
2033	0.69	0.67	4.03	30.7	0.05	0.12	8.03	8.15	0.12	3.17	3.28	—	5,782	5,782	0.23	0.05	0.10	5,802
2034	4.37	4.11	14.8	54.8	0.10	0.15	16.6	16.8	0.15	4.04	4.19	—	22,814	22,814	0.40	1.46	11.5	23,271

2035	4.43	4.13	14.7	53.7	0.10	0.15	16.8	16.9	0.14	4.06	4.20	—	22,699	22,699	0.40	1.40	9.89	23,138
2036	4.37	4.11	14.5	52.1	0.10	0.15	16.8	17.0	0.14	4.07	4.21	—	22,401	22,401	0.40	1.41	8.36	22,839
2037	4.18	3.91	14.2	50.7	0.10	0.15	16.8	16.9	0.14	4.06	4.20	—	22,021	22,021	0.40	1.40	6.96	22,457
2038	4.03	3.77	14.0	49.9	0.10	0.15	16.8	16.9	0.14	4.06	4.20	—	21,691	21,691	0.36	1.32	5.79	22,100
2039	3.93	3.23	13.7	48.7	0.10	0.15	16.8	16.9	0.14	4.06	4.20	—	21,440	21,440	0.35	1.32	4.77	21,848
2040	3.79	3.14	13.2	48.1	0.10	0.15	16.8	17.0	0.14	4.07	4.21	—	21,276	21,276	0.35	1.33	3.92	21,685
2041	3.64	2.99	13.0	47.4	0.10	0.15	16.8	16.9	0.14	4.06	4.20	—	21,022	21,022	0.35	1.32	3.19	21,428
2042	3.56	2.92	12.9	46.7	0.10	0.15	16.8	16.9	0.14	4.06	4.20	—	20,848	20,848	0.35	1.24	2.59	21,229
2043	3.53	2.84	12.8	46.6	0.10	0.15	16.8	16.9	0.14	4.06	4.20	—	20,696	20,696	0.35	1.24	2.10	21,077
2044	3.38	2.81	12.7	46.1	0.10	0.15	16.8	17.0	0.14	4.07	4.21	—	20,623	20,623	0.35	1.25	1.70	21,004
2045	3.34	2.73	12.5	46.0	0.10	0.15	16.8	16.9	0.14	4.06	4.20	—	20,454	20,454	0.32	1.24	1.36	20,833
2046	3.22	2.66	12.5	45.9	0.10	0.15	16.8	16.9	0.14	4.06	4.20	—	20,357	20,357	0.32	1.24	1.10	20,736
2047	1.57	1.55	1.85	9.41	0.01	0.03	0.31	0.34	0.03	0.07	0.11	—	1,559	1,559	0.05	0.02	0.02	1,567
2048	45.4	45.4	0.87	6.36	< 0.005	< 0.005	2.57	2.58	< 0.005	0.60	0.61	—	2,202	2,202	0.02	0.02	0.12	2,209
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2032	0.10	0.10	0.59	4.57	0.01	0.02	2.10	2.12	0.02	1.01	1.03	—	793	793	0.03	0.01	0.03	797
2033	0.13	0.12	0.74	5.61	0.01	0.02	1.47	1.49	0.02	0.58	0.60	—	957	957	0.04	0.01	0.02	961
2034	0.80	0.75	2.71	9.99	0.02	0.03	3.03	3.06	0.03	0.74	0.76	—	3,777	3,777	0.07	0.24	1.90	3,853
2035	0.81	0.75	2.69	9.81	0.02	0.03	3.06	3.09	0.03	0.74	0.77	—	3,758	3,758	0.07	0.23	1.64	3,831
2036	0.80	0.75	2.64	9.51	0.02	0.03	3.07	3.10	0.03	0.74	0.77	—	3,709	3,709	0.07	0.23	1.38	3,781
2037	0.76	0.71	2.59	9.25	0.02	0.03	3.06	3.09	0.03	0.74	0.77	—	3,646	3,646	0.07	0.23	1.15	3,718
2038	0.74	0.69	2.55	9.11	0.02	0.03	3.06	3.09	0.03	0.74	0.77	—	3,591	3,591	0.06	0.22	0.96	3,659
2039	0.72	0.59	2.51	8.89	0.02	0.03	3.06	3.09	0.03	0.74	0.77	—	3,550	3,550	0.06	0.22	0.79	3,617
2040	0.69	0.57	2.41	8.79	0.02	0.03	3.07	3.10	0.03	0.74	0.77	—	3,523	3,523	0.06	0.22	0.65	3,590
2041	0.66	0.55	2.37	8.65	0.02	0.03	3.06	3.09	0.03	0.74	0.77	—	3,480	3,480	0.06	0.22	0.53	3,548
2042	0.65	0.53	2.35	8.52	0.02	0.03	3.06	3.09	0.03	0.74	0.77	—	3,452	3,452	0.06	0.21	0.43	3,515
2043	0.64	0.52	2.33	8.50	0.02	0.03	3.06	3.09	0.03	0.74	0.77	—	3,426	3,426	0.06	0.21	0.35	3,490
2044	0.62	0.51	2.31	8.42	0.02	0.03	3.07	3.10	0.03	0.74	0.77	—	3,414	3,414	0.06	0.21	0.28	3,478

2045	0.61	0.50	2.28	8.39	0.02	0.03	3.06	3.09	0.03	0.74	0.77	—	3,386	3,386	0.05	0.21	0.23	3,449
2046	0.59	0.48	2.28	8.37	0.02	0.03	3.06	3.09	0.03	0.74	0.77	—	3,370	3,370	0.05	0.21	0.18	3,433
2047	0.29	0.28	0.34	1.72	< 0.005	0.01	0.06	0.06	0.01	0.01	0.02	—	258	258	0.01	< 0.005	< 0.005	259
2048	8.29	8.28	0.16	1.16	< 0.005	< 0.005	0.47	0.47	< 0.005	0.11	0.11	—	365	365	< 0.005	< 0.005	0.02	366

3. Construction Emissions Details

3.1. Demolition (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.28	1.92	16.2	16.9	0.03	0.62	—	0.62	0.57	—	0.57	—	3,426	3,426	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	0.78	0.78	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.29	2.45	2.54	< 0.005	0.09	—	0.09	0.09	—	0.09	—	516	516	0.02	< 0.005	—	518
Demolition	—	—	—	—	—	—	0.12	0.12	—	0.02	0.02	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.45	0.46	< 0.005	0.02	—	0.02	0.02	—	0.02	—	85.5	85.5	< 0.005	< 0.005	—	85.8
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.38	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.01	111
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.65	0.16	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	512	512	0.01	0.08	0.02	536
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.2	17.2	< 0.005	< 0.005	0.01	17.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	77.1	77.1	< 0.005	0.01	0.05	80.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.84	2.84	< 0.005	< 0.005	< 0.005	2.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.01	13.4

3.2. Demolition (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.61	5.07	18.3	0.03	0.10	—	0.10	0.10	—	0.10	—	3,426	3,426	0.14	0.03	—	3,438
Demolition	—	—	—	—	—	—	0.78	0.78	—	0.12	0.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.76	2.75	< 0.005	0.02	—	0.02	0.01	—	0.01	—	516	516	0.02	< 0.005	—	518
Demolition	—	—	—	—	—	—	0.12	0.12	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	85.5	85.5	< 0.005	< 0.005	—	85.8
Demolition	—	—	—	—	—	—	0.02	0.02	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.38	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	111	111	< 0.005	< 0.005	0.01	111
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	0.01	0.65	0.16	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	512	512	0.01	0.08	0.02	536
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	17.2	17.2	< 0.005	< 0.005	0.01	17.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	77.1	77.1	< 0.005	0.01	0.05	80.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.84	2.84	< 0.005	< 0.005	< 0.005	2.85
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.01	13.4

3.3. Site Preparation (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	2.70	22.3	25.7	0.05	0.93	—	0.93	0.85	—	0.85	—	5,296	5,296	0.21	0.04	—	5,314

Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.22	2.70	22.3	25.7	0.05	0.93	—	0.93	0.85	—	0.85	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.45	1.22	10.1	11.6	0.02	0.42	—	0.42	0.38	—	0.38	—	2,394	2,394	0.10	0.02	—	2,402
Dust From Material Movement	—	—	—	—	—	—	8.89	8.89	—	4.57	4.57	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.22	1.84	2.12	< 0.005	0.08	—	0.08	0.07	—	0.07	—	396	396	0.02	< 0.005	—	398

Dust From Material Movement	—	—	—	—	—	—	1.62	1.62	—	0.83	0.83	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	143	143	< 0.005	< 0.005	0.27	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.45	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	130	130	< 0.005	< 0.005	0.01	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	60.0	60.0	< 0.005	< 0.005	0.05	60.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.94	9.94	< 0.005	< 0.005	0.01	9.98
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.4. Site Preparation (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	19.7	19.7	—	10.1	10.1	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	1.17	12.8	0.02	0.05	—	0.05	0.05	—	0.05	—	2,394	2,394	0.10	0.02	—	2,402
Dust From Material Movement	—	—	—	—	—	—	8.89	8.89	—	4.57	4.57	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.21	2.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	396	396	0.02	< 0.005	—	398
Dust From Material Movement	—	—	—	—	—	—	1.62	1.62	—	0.83	0.83	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.57	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	143	143	< 0.005	< 0.005	0.27	144
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.45	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	130	130	< 0.005	< 0.005	0.01	130
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.21	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	60.0	60.0	< 0.005	< 0.005	0.05	60.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.94	9.94	< 0.005	< 0.005	0.01	9.98

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2032) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.05	2.56	19.4	25.8	0.06	0.79	—	0.79	0.73	—	0.73	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.05	2.56	19.4	25.8	0.06	0.79	—	0.79	0.73	—	0.73	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.78	0.66	4.97	6.60	0.02	0.20	—	0.20	0.19	—	0.19	—	1,688	1,688	0.07	0.01	—	1,694
Dust From Material Movement	—	—	—	—	—	—	2.36	2.36	—	0.94	0.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.14	0.12	0.91	1.20	< 0.005	0.04	—	0.04	0.03	—	0.03	—	280	280	0.01	< 0.005	—	280
Dust From Material Movement	—	—	—	—	—	—	0.43	0.43	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.65	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	164	164	< 0.005	< 0.005	0.30	164
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.51	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	148	148	< 0.005	< 0.005	0.01	149
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.8	38.8	< 0.005	< 0.005	0.03	39.0

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.43	6.43	< 0.005	< 0.005	0.01	6.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Grading (2032) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	0.74	4.68	35.4	0.06	0.14	—	0.14	0.14	—	0.14	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	0.74	4.68	35.4	0.06	0.14	—	0.14	0.14	—	0.14	—	6,596	6,596	0.27	0.05	—	6,619

Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.19	1.20	9.05	0.02	0.04	—	0.04	0.04	—	0.04	—	1,688	1,688	0.07	0.01	—	1,694
Dust From Material Movement	—	—	—	—	—	—	2.36	2.36	—	0.94	0.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.22	1.65	< 0.005	0.01	—	0.01	0.01	—	0.01	—	280	280	0.01	< 0.005	—	280
Dust From Material Movement	—	—	—	—	—	—	0.43	0.43	—	0.17	0.17	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.65	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	164	164	< 0.005	< 0.005	0.30	164
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.04	0.51	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	148	148	< 0.005	< 0.005	0.01	149
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	38.8	38.8	< 0.005	< 0.005	0.03	39.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.43	6.43	< 0.005	< 0.005	0.01	6.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Grading (2033) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.97	2.50	18.5	25.2	0.06	0.73	—	0.73	0.68	—	0.68	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.97	2.50	18.5	25.2	0.06	0.73	—	0.73	0.68	—	0.68	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.55	2.14	15.9	21.6	0.05	0.63	—	0.63	0.58	—	0.58	—	5,654	5,654	0.23	0.05	—	5,673
Dust From Material Movement	—	—	—	—	—	—	7.89	7.89	—	3.13	3.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.39	2.90	3.95	0.01	0.11	—	0.11	0.11	—	0.11	—	936	936	0.04	0.01	—	939
Dust From Material Movement	—	—	—	—	—	—	1.44	1.44	—	0.57	0.57	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.02	0.62	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.26	162
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.48	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	146	146	< 0.005	< 0.005	0.01	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.43	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	128	128	< 0.005	< 0.005	0.10	129
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.2	21.2	< 0.005	< 0.005	0.02	21.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Grading (2033) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.76	0.73	4.67	35.4	0.06	0.14	—	0.14	0.14	—	0.14	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.76	0.73	4.67	35.4	0.06	0.14	—	0.14	0.14	—	0.14	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.63	4.01	30.3	0.05	0.12	—	0.12	0.12	—	0.12	—	5,654	5,654	0.23	0.05	—	5,673
Dust From Material Movement	—	—	—	—	—	—	7.89	7.89	—	3.13	3.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.12	0.11	0.73	5.53	0.01	0.02	—	0.02	0.02	—	0.02	—	936	936	0.04	0.01	—	939

Dust From Material Movement	—	—	—	—	—	—	1.44	1.44	—	0.57	0.57	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.02	0.62	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	161	161	< 0.005	< 0.005	0.26	162
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.48	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	146	146	< 0.005	< 0.005	0.01	147
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.03	0.43	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	128	128	< 0.005	< 0.005	0.10	129
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.08	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	21.2	21.2	< 0.005	< 0.005	0.02	21.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Grading (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.90	2.44	17.8	25.1	0.06	0.68	—	0.68	0.62	—	0.62	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.25	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	92.9	92.9	< 0.005	< 0.005	—	93.3
Dust From Material Movement	—	—	—	—	—	—	0.13	0.13	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.4

Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.46	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	144	144	< 0.005	< 0.005	0.01	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.08	2.08	< 0.005	< 0.005	< 0.005	2.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.34	0.34	< 0.005	< 0.005	< 0.005	0.35
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Grading (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.73	4.66	35.4	0.06	0.14	—	0.14	0.14	—	0.14	—	6,596	6,596	0.27	0.05	—	6,619
Dust From Material Movement	—	—	—	—	—	—	9.20	9.20	—	3.65	3.65	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.50	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	92.9	92.9	< 0.005	< 0.005	—	93.3
Dust From Material Movement	—	—	—	—	—	—	0.13	0.13	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.4	15.4	< 0.005	< 0.005	—	15.4
Dust From Material Movement	—	—	—	—	—	—	0.02	0.02	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.03	0.46	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	144	144	< 0.005	< 0.005	0.01	145
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.08	2.08	< 0.005	< 0.005	< 0.005	2.09
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.34	0.34	< 0.005	< 0.005	< 0.005	0.35
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2034) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.03	0.86	7.52	12.8	0.02	0.19	—	0.19	0.18	—	0.18	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.87	0.73	6.34	10.8	0.02	0.16	—	0.16	0.15	—	0.15	—	2,021	2,021	0.08	0.02	—	2,028
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.16	1.96	< 0.005	0.03	—	0.03	0.03	—	0.03	—	335	335	0.01	< 0.005	—	336
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.54	4.46	2.34	56.6	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	15,219	15,219	0.17	0.13	21.7	15,283
Vendor	0.48	0.30	11.7	4.26	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	10,431	10,431	0.16	1.59	9.83	10,918

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.33	4.25	3.06	43.8	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	13,774	13,774	0.25	0.13	0.56	13,819
Vendor	0.44	0.27	12.5	4.40	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	10,444	10,444	0.16	1.59	0.25	10,921
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.58	3.51	2.05	38.0	0.00	0.00	13.5	13.5	0.00	3.16	3.16	—	11,900	11,900	0.18	0.11	7.91	11,944
Vendor	0.39	0.24	10.2	3.65	0.08	0.08	3.03	3.11	0.08	0.84	0.92	—	8,799	8,799	0.13	1.34	3.57	9,204
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.65	0.64	0.37	6.94	0.00	0.00	2.46	2.46	0.00	0.58	0.58	—	1,970	1,970	0.03	0.02	1.31	1,977
Vendor	0.07	0.04	1.87	0.67	0.01	0.01	0.55	0.57	0.01	0.15	0.17	—	1,457	1,457	0.02	0.22	0.59	1,524
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2034) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.96	14.9	0.02	0.08	—	0.08	0.08	—	0.08	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.96	14.9	0.02	0.08	—	0.08	0.08	—	0.08	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	0.35	2.49	12.6	0.02	0.07	—	0.07	0.06	—	0.06	—	2,021	2,021	0.08	0.02	—	2,028
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.46	2.29	< 0.005	0.01	—	0.01	0.01	—	0.01	—	335	335	0.01	< 0.005	—	336
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.54	4.46	2.34	56.6	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	15,219	15,219	0.17	0.13	21.7	15,283
Vendor	0.48	0.30	11.7	4.26	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	10,431	10,431	0.16	1.59	9.83	10,918
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.33	4.25	3.06	43.8	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	13,774	13,774	0.25	0.13	0.56	13,819

Vendor	0.44	0.27	12.5	4.40	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	10,444	10,444	0.16	1.59	0.25	10,921
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.58	3.51	2.05	38.0	0.00	0.00	13.5	13.5	0.00	3.16	3.16	—	11,900	11,900	0.18	0.11	7.91	11,944
Vendor	0.39	0.24	10.2	3.65	0.08	0.08	3.03	3.11	0.08	0.84	0.92	—	8,799	8,799	0.13	1.34	3.57	9,204
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.65	0.64	0.37	6.94	0.00	0.00	2.46	2.46	0.00	0.58	0.58	—	1,970	1,970	0.03	0.02	1.31	1,977
Vendor	0.07	0.04	1.87	0.67	0.01	0.01	0.55	0.57	0.01	0.15	0.17	—	1,457	1,457	0.02	0.22	0.59	1,524
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2035) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.34	12.7	0.02	0.18	—	0.18	0.17	—	0.17	—	2,397	2,397	0.10	0.02	—	2,405

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.87	0.73	6.29	10.9	0.02	0.15	—	0.15	0.14	—	0.14	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.15	1.98	< 0.005	0.03	—	0.03	0.03	—	0.03	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.46	4.42	2.34	54.1	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	15,048	15,048	0.17	0.13	18.6	15,108
Vendor	0.48	0.30	11.3	4.16	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	10,124	10,124	0.16	1.49	8.15	10,581
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.25	4.16	3.01	42.1	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	13,619	13,619	0.25	0.13	0.48	13,664
Vendor	0.44	0.27	12.1	4.30	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	10,136	10,136	0.16	1.49	0.21	10,586
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.64	3.53	2.08	37.3	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,963	11,963	0.18	0.11	6.87	12,006
Vendor	0.39	0.24	10.1	3.62	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	8,682	8,682	0.13	1.28	3.02	9,070

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.66	0.64	0.38	6.81	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,981	1,981	0.03	0.02	1.14	1,988
Vendor	0.07	0.04	1.85	0.66	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,437	1,437	0.02	0.21	0.50	1,502
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Building Construction (2035) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.95	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.95	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.53	12.8	0.02	0.07	—	0.07	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.46	4.42	2.34	54.1	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	15,048	15,048	0.17	0.13	18.6	15,108
Vendor	0.48	0.30	11.3	4.16	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	10,124	10,124	0.16	1.49	8.15	10,581
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.25	4.16	3.01	42.1	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	13,619	13,619	0.25	0.13	0.48	13,664
Vendor	0.44	0.27	12.1	4.30	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	10,136	10,136	0.16	1.49	0.21	10,586
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.64	3.53	2.08	37.3	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,963	11,963	0.18	0.11	6.87	12,006
Vendor	0.39	0.24	10.1	3.62	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	8,682	8,682	0.13	1.28	3.02	9,070
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.66	0.64	0.38	6.81	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,981	1,981	0.03	0.02	1.14	1,988
Vendor	0.07	0.04	1.85	0.66	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,437	1,437	0.02	0.21	0.50	1,502
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2036) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	0.83	7.12	12.6	0.02	0.17	—	0.17	0.16	—	0.16	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.99	0.83	7.12	12.6	0.02	0.17	—	0.17	0.16	—	0.16	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	0.71	6.12	10.8	0.02	0.14	—	0.14	0.13	—	0.13	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.12	1.98	< 0.005	0.03	—	0.03	0.02	—	0.02	—	341	341	0.01	< 0.005	—	342

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.33	4.25	2.30	51.7	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,894	14,894	0.17	0.13	15.8	14,951
Vendor	0.47	0.29	11.1	4.16	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,847	9,847	0.16	1.49	6.69	10,302
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.16	4.08	2.47	40.4	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	13,480	13,480	0.21	0.13	0.41	13,523
Vendor	0.44	0.27	11.8	4.29	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,859	9,859	0.16	1.49	0.17	10,308
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.58	3.51	2.05	35.7	0.00	0.00	13.7	13.7	0.00	3.22	3.22	—	11,873	11,873	0.18	0.11	5.88	11,916
Vendor	0.40	0.24	9.87	3.63	0.08	0.08	3.09	3.17	0.08	0.85	0.93	—	8,468	8,468	0.14	1.28	2.48	8,856
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.65	0.64	0.37	6.51	0.00	0.00	2.51	2.51	0.00	0.59	0.59	—	1,966	1,966	0.03	0.02	0.97	1,973
Vendor	0.07	0.04	1.80	0.66	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,402	1,402	0.02	0.21	0.41	1,466
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Building Construction (2036) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.95	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.95	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.53	12.8	0.02	0.07	—	0.07	0.06	—	0.06	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	4.33	4.25	2.30	51.7	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,894	14,894	0.17	0.13	15.8	14,951
Vendor	0.47	0.29	11.1	4.16	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,847	9,847	0.16	1.49	6.69	10,302
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.16	4.08	2.47	40.4	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	13,480	13,480	0.21	0.13	0.41	13,523
Vendor	0.44	0.27	11.8	4.29	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,859	9,859	0.16	1.49	0.17	10,308
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.58	3.51	2.05	35.7	0.00	0.00	13.7	13.7	0.00	3.22	3.22	—	11,873	11,873	0.18	0.11	5.88	11,916
Vendor	0.40	0.24	9.87	3.63	0.08	0.08	3.09	3.17	0.08	0.85	0.93	—	8,468	8,468	0.14	1.28	2.48	8,856
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.65	0.64	0.37	6.51	0.00	0.00	2.51	2.51	0.00	0.59	0.59	—	1,966	1,966	0.03	0.02	0.97	1,973
Vendor	0.07	0.04	1.80	0.66	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,402	1,402	0.02	0.21	0.41	1,466
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Building Construction (2037) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.98	0.82	6.99	12.5	0.02	0.16	—	0.16	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.98	0.82	6.99	12.5	0.02	0.16	—	0.16	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.84	0.70	5.99	10.7	0.02	0.14	—	0.14	0.12	—	0.12	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.09	1.96	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.12	4.04	1.80	50.4	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,759	14,759	0.17	0.13	13.4	14,814
Vendor	0.47	0.29	10.8	4.07	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,600	9,600	0.16	1.49	5.40	10,054
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	4.00	3.91	2.43	38.9	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	13,359	13,359	0.21	0.13	0.35	13,402
Vendor	0.44	0.27	11.5	4.19	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,613	9,613	0.16	1.49	0.14	10,062
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.39	3.32	2.01	34.4	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,734	11,734	0.18	0.11	4.96	11,775
Vendor	0.39	0.24	9.63	3.54	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	8,233	8,233	0.13	1.28	2.00	8,620
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.61	0.37	6.27	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,943	1,943	0.03	0.02	0.82	1,950
Vendor	0.07	0.04	1.76	0.65	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,363	1,363	0.02	0.21	0.33	1,427
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.18. Building Construction (2037) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.94	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.46	0.42	2.94	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.52	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.12	4.04	1.80	50.4	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,759	14,759	0.17	0.13	13.4	14,814
Vendor	0.47	0.29	10.8	4.07	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,600	9,600	0.16	1.49	5.40	10,054
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.00	3.91	2.43	38.9	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	13,359	13,359	0.21	0.13	0.35	13,402
Vendor	0.44	0.27	11.5	4.19	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,613	9,613	0.16	1.49	0.14	10,062
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.39	3.32	2.01	34.4	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,734	11,734	0.18	0.11	4.96	11,775
Vendor	0.39	0.24	9.63	3.54	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	8,233	8,233	0.13	1.28	2.00	8,620
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.61	0.37	6.27	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,943	1,943	0.03	0.02	0.82	1,950
Vendor	0.07	0.04	1.76	0.65	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,363	1,363	0.02	0.21	0.33	1,427
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Building Construction (2038) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	0.81	6.89	12.5	0.02	0.15	—	0.15	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	0.81	6.89	12.5	0.02	0.15	—	0.15	0.14	—	0.14	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.83	0.70	5.91	10.7	0.02	0.13	—	0.13	0.12	—	0.12	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.08	1.95	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.00	3.91	1.76	49.1	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,584	14,584	0.17	0.13	11.3	14,637
Vendor	0.47	0.29	10.6	4.07	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,378	9,378	0.16	1.40	4.32	9,803
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.78	3.20	2.43	37.4	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	13,199	13,199	0.21	0.13	0.29	13,242
Vendor	0.44	0.27	11.3	4.19	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,391	9,391	0.15	1.40	0.11	9,811
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.24	3.17	2.01	33.6	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,594	11,594	0.14	0.11	4.18	11,634
Vendor	0.39	0.24	9.44	3.54	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	8,043	8,043	0.13	1.20	1.60	8,405
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.59	0.58	0.37	6.13	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,919	1,919	0.02	0.02	0.69	1,926
Vendor	0.07	0.04	1.72	0.65	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,332	1,332	0.02	0.20	0.27	1,392
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.20. Building Construction (2038) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.94	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.94	14.9	0.02	0.08	—	0.08	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.52	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.00	3.91	1.76	49.1	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,584	14,584	0.17	0.13	11.3	14,637
Vendor	0.47	0.29	10.6	4.07	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,378	9,378	0.16	1.40	4.32	9,803
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.78	3.20	2.43	37.4	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	13,199	13,199	0.21	0.13	0.29	13,242
Vendor	0.44	0.27	11.3	4.19	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,391	9,391	0.15	1.40	0.11	9,811
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.24	3.17	2.01	33.6	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,594	11,594	0.14	0.11	4.18	11,634
Vendor	0.39	0.24	9.44	3.54	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	8,043	8,043	0.13	1.20	1.60	8,405
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.59	0.58	0.37	6.13	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,919	1,919	0.02	0.02	0.69	1,926
Vendor	0.07	0.04	1.72	0.65	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,332	1,332	0.02	0.20	0.27	1,392
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Building Construction (2039) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.78	12.4	0.02	0.15	—	0.15	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.78	12.4	0.02	0.15	—	0.15	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.69	5.81	10.6	0.02	0.12	—	0.12	0.11	—	0.11	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.06	1.94	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.78	3.20	1.76	47.8	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,482	14,482	0.17	0.13	9.45	14,533
Vendor	0.47	0.29	10.4	3.97	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,180	9,180	0.15	1.40	3.41	9,604
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.70	3.12	2.39	36.6	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	13,106	13,106	0.21	0.13	0.25	13,149
Vendor	0.44	0.27	11.1	4.11	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,193	9,193	0.15	1.40	0.09	9,613
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.14	2.63	1.97	32.5	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,513	11,513	0.14	0.11	3.50	11,552
Vendor	0.39	0.24	9.24	3.46	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	7,873	7,873	0.13	1.20	1.26	8,235
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.48	0.36	5.92	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,906	1,906	0.02	0.02	0.58	1,913
Vendor	0.07	0.04	1.69	0.63	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,304	1,304	0.02	0.20	0.21	1,363
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.22. Building Construction (2039) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.52	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.78	3.20	1.76	47.8	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,482	14,482	0.17	0.13	9.45	14,533
Vendor	0.47	0.29	10.4	3.97	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,180	9,180	0.15	1.40	3.41	9,604
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.70	3.12	2.39	36.6	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	13,106	13,106	0.21	0.13	0.25	13,149
Vendor	0.44	0.27	11.1	4.11	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,193	9,193	0.15	1.40	0.09	9,613
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.14	2.63	1.97	32.5	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,513	11,513	0.14	0.11	3.50	11,552
Vendor	0.39	0.24	9.24	3.46	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	7,873	7,873	0.13	1.20	1.26	8,235
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.48	0.36	5.92	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,906	1,906	0.02	0.02	0.58	1,913
Vendor	0.07	0.04	1.69	0.63	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,304	1,304	0.02	0.20	0.21	1,363
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. Building Construction (2040) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.96	0.80	6.71	12.4	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.96	0.80	6.71	12.4	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.82	0.69	5.76	10.6	0.02	0.12	—	0.12	0.11	—	0.11	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.15	0.13	1.05	1.94	< 0.005	0.02	—	0.02	0.02	—	0.02	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.57	3.03	1.72	46.6	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,393	14,393	0.13	0.13	7.87	14,442
Vendor	0.47	0.30	10.2	3.97	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,003	9,003	0.15	1.40	2.67	9,426
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.49	2.91	2.39	35.7	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	13,027	13,027	0.21	0.13	0.20	13,070
Vendor	0.44	0.27	10.9	4.11	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,015	9,015	0.15	1.40	0.07	9,436
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	3.00	2.53	1.55	31.9	0.00	0.00	13.7	13.7	0.00	3.22	3.22	—	11,474	11,474	0.14	0.11	2.93	11,513
Vendor	0.40	0.25	9.15	3.47	0.08	0.08	3.09	3.17	0.08	0.85	0.93	—	7,742	7,742	0.13	1.20	0.99	8,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.46	0.28	5.82	0.00	0.00	2.51	2.51	0.00	0.59	0.59	—	1,900	1,900	0.02	0.02	0.48	1,906
Vendor	0.07	0.05	1.67	0.63	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,282	1,282	0.02	0.20	0.16	1,342
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.24. Building Construction (2040) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.40	0.36	2.52	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.57	3.03	1.72	46.6	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,393	14,393	0.13	0.13	7.87	14,442
Vendor	0.47	0.30	10.2	3.97	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,003	9,003	0.15	1.40	2.67	9,426
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.49	2.91	2.39	35.7	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	13,027	13,027	0.21	0.13	0.20	13,070
Vendor	0.44	0.27	10.9	4.11	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	9,015	9,015	0.15	1.40	0.07	9,436
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.00	2.53	1.55	31.9	0.00	0.00	13.7	13.7	0.00	3.22	3.22	—	11,474	11,474	0.14	0.11	2.93	11,513
Vendor	0.40	0.25	9.15	3.47	0.08	0.08	3.09	3.17	0.08	0.85	0.93	—	7,742	7,742	0.13	1.20	0.99	8,105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.46	0.28	5.82	0.00	0.00	2.51	2.51	0.00	0.59	0.59	—	1,900	1,900	0.02	0.02	0.48	1,906
Vendor	0.07	0.05	1.67	0.63	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,282	1,282	0.02	0.20	0.16	1,342

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. Building Construction (2041) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	6.65	12.3	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.80	6.65	12.3	0.02	0.14	—	0.14	0.13	—	0.13	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	0.68	5.70	10.6	0.02	0.12	—	0.12	0.11	—	0.11	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.15	0.12	1.04	1.93	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.49	2.95	1.72	45.9	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,317	14,317	0.13	0.13	6.56	14,365
Vendor	0.47	0.30	10.0	3.98	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,844	8,844	0.15	1.40	2.06	9,266
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.36	2.78	2.34	34.9	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	12,958	12,958	0.17	0.13	0.17	13,000
Vendor	0.44	0.27	10.8	4.12	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,857	8,857	0.15	1.40	0.05	9,277
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.85	2.38	1.54	31.1	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,382	11,382	0.14	0.11	2.43	11,420
Vendor	0.39	0.25	8.94	3.47	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	7,585	7,585	0.13	1.20	0.76	7,946
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.43	0.28	5.68	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,884	1,884	0.02	0.02	0.40	1,891
Vendor	0.07	0.05	1.63	0.63	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,256	1,256	0.02	0.20	0.13	1,316
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.26. Building Construction (2041) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.51	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.49	2.95	1.72	45.9	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,317	14,317	0.13	0.13	6.56	14,365
Vendor	0.47	0.30	10.0	3.98	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,844	8,844	0.15	1.40	2.06	9,266
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.36	2.78	2.34	34.9	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	12,958	12,958	0.17	0.13	0.17	13,000
Vendor	0.44	0.27	10.8	4.12	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,857	8,857	0.15	1.40	0.05	9,277
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.85	2.38	1.54	31.1	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,382	11,382	0.14	0.11	2.43	11,420
Vendor	0.39	0.25	8.94	3.47	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	7,585	7,585	0.13	1.20	0.76	7,946
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.43	0.28	5.68	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,884	1,884	0.02	0.02	0.40	1,891
Vendor	0.07	0.05	1.63	0.63	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,256	1,256	0.02	0.20	0.13	1,316
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. Building Construction (2042) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.95	0.79	6.60	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.95	0.79	6.60	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.81	0.68	5.66	10.6	0.02	0.12	—	0.12	0.11	—	0.11	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.03	1.93	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.36	2.78	1.72	45.2	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,251	14,251	0.13	0.13	5.43	14,297
Vendor	0.47	0.30	9.90	3.89	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,702	8,702	0.15	1.30	1.58	9,096
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.32	2.74	1.84	34.2	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	12,898	12,898	0.17	0.13	0.14	12,940
Vendor	0.44	0.27	10.6	4.02	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,715	8,715	0.15	1.30	0.04	9,108
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.77	2.31	1.51	30.5	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,329	11,329	0.14	0.11	2.01	11,367
Vendor	0.39	0.25	8.83	3.39	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	7,464	7,464	0.13	1.12	0.59	7,801
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.42	0.28	5.57	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,876	1,876	0.02	0.02	0.33	1,882
Vendor	0.07	0.05	1.61	0.62	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,236	1,236	0.02	0.18	0.10	1,291
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.28. Building Construction (2042) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.40	0.36	2.51	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.36	2.78	1.72	45.2	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,251	14,251	0.13	0.13	5.43	14,297
Vendor	0.47	0.30	9.90	3.89	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,702	8,702	0.15	1.30	1.58	9,096
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.32	2.74	1.84	34.2	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	12,898	12,898	0.17	0.13	0.14	12,940
Vendor	0.44	0.27	10.6	4.02	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,715	8,715	0.15	1.30	0.04	9,108
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	2.77	2.31	1.51	30.5	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,329	11,329	0.14	0.11	2.01	11,367
Vendor	0.39	0.25	8.83	3.39	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	7,464	7,464	0.13	1.12	0.59	7,801
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.42	0.28	5.57	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,876	1,876	0.02	0.02	0.33	1,882
Vendor	0.07	0.05	1.61	0.62	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,236	1,236	0.02	0.18	0.10	1,291
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. Building Construction (2043) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.79	6.55	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.94	0.79	6.55	12.3	0.02	0.13	—	0.13	0.12	—	0.12	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.81	0.67	5.61	10.5	0.02	0.11	—	0.11	0.10	—	0.10	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.02	1.92	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.24	2.69	1.67	44.6	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,193	14,193	0.13	0.13	4.46	14,238
Vendor	0.47	0.29	9.78	3.90	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,579	8,579	0.15	1.30	1.21	8,972
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.24	2.69	1.84	34.0	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	12,846	12,846	0.17	0.13	0.12	12,888
Vendor	0.44	0.27	10.5	4.02	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,592	8,592	0.15	1.30	0.03	8,984
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.74	2.24	1.51	30.4	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,284	11,284	0.14	0.11	1.65	11,321
Vendor	0.39	0.25	8.73	3.40	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	7,358	7,358	0.13	1.12	0.45	7,695
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.41	0.28	5.54	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,868	1,868	0.02	0.02	0.27	1,874
Vendor	0.07	0.05	1.59	0.62	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,218	1,218	0.02	0.18	0.07	1,274

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.30. Building Construction (2043) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.51	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.24	2.69	1.67	44.6	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,193	14,193	0.13	0.13	4.46	14,238
Vendor	0.47	0.29	9.78	3.90	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,579	8,579	0.15	1.30	1.21	8,972
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.24	2.69	1.84	34.0	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	12,846	12,846	0.17	0.13	0.12	12,888
Vendor	0.44	0.27	10.5	4.02	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,592	8,592	0.15	1.30	0.03	8,984
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.74	2.24	1.51	30.4	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,284	11,284	0.14	0.11	1.65	11,321
Vendor	0.39	0.25	8.73	3.40	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	7,358	7,358	0.13	1.12	0.45	7,695
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.41	0.28	5.54	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,868	1,868	0.02	0.02	0.27	1,874
Vendor	0.07	0.05	1.59	0.62	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,218	1,218	0.02	0.18	0.07	1,274
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.31. Building Construction (2044) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.78	6.48	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.93	0.78	6.48	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.80	0.67	5.57	10.5	0.02	0.11	—	0.11	0.10	—	0.10	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.12	1.02	1.92	< 0.005	0.02	—	0.02	0.02	—	0.02	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.20	2.61	1.67	44.0	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,146	14,146	0.13	0.08	3.67	14,178
Vendor	0.37	0.29	9.66	3.90	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,471	8,471	0.15	1.30	0.92	8,864
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.11	2.57	1.80	33.3	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	12,803	12,803	0.17	0.13	0.10	12,845
Vendor	0.34	0.27	10.3	4.02	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,484	8,484	0.15	1.30	0.02	8,876
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.67	2.21	1.51	29.9	0.00	0.00	13.7	13.7	0.00	3.22	3.22	—	11,277	11,277	0.14	0.11	1.36	11,314
Vendor	0.31	0.24	8.65	3.41	0.08	0.08	3.09	3.17	0.08	0.85	0.93	—	7,286	7,286	0.13	1.12	0.34	7,623
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.49	0.40	0.28	5.46	0.00	0.00	2.51	2.51	0.00	0.59	0.59	—	1,867	1,867	0.02	0.02	0.23	1,873
Vendor	0.06	0.04	1.58	0.62	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,206	1,206	0.02	0.19	0.06	1,262
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.32. Building Construction (2044) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.52	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,060	2,060	0.08	0.02	—	2,067
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	341	341	0.01	< 0.005	—	342
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.20	2.61	1.67	44.0	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,146	14,146	0.13	0.08	3.67	14,178
Vendor	0.37	0.29	9.66	3.90	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,471	8,471	0.15	1.30	0.92	8,864
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.11	2.57	1.80	33.3	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	12,803	12,803	0.17	0.13	0.10	12,845
Vendor	0.34	0.27	10.3	4.02	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,484	8,484	0.15	1.30	0.02	8,876
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.67	2.21	1.51	29.9	0.00	0.00	13.7	13.7	0.00	3.22	3.22	—	11,277	11,277	0.14	0.11	1.36	11,314
Vendor	0.31	0.24	8.65	3.41	0.08	0.08	3.09	3.17	0.08	0.85	0.93	—	7,286	7,286	0.13	1.12	0.34	7,623
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.49	0.40	0.28	5.46	0.00	0.00	2.51	2.51	0.00	0.59	0.59	—	1,867	1,867	0.02	0.02	0.23	1,873
Vendor	0.06	0.04	1.58	0.62	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,206	1,206	0.02	0.19	0.06	1,262
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.33. Building Construction (2045) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	6.42	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.92	0.77	6.42	12.2	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.79	0.66	5.50	10.4	0.02	0.10	—	0.10	0.09	—	0.09	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.14	0.12	1.00	1.90	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.11	2.57	1.67	43.9	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,104	14,104	0.13	0.08	3.01	14,136
Vendor	0.37	0.29	9.54	3.91	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,378	8,378	0.15	1.30	0.68	8,771
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.57	2.53	1.80	33.2	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	12,765	12,765	0.17	0.13	0.08	12,807
Vendor	0.34	0.26	10.3	4.02	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,391	8,391	0.15	1.30	0.02	8,783
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	2.63	2.13	1.47	29.8	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,213	11,213	0.11	0.11	1.11	11,249
Vendor	0.31	0.24	8.53	3.40	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	7,186	7,186	0.13	1.12	0.25	7,522
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.39	0.27	5.43	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,856	1,856	0.02	0.02	0.18	1,862
Vendor	0.06	0.04	1.56	0.62	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,190	1,190	0.02	0.18	0.04	1,245
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.34. Building Construction (2045) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.40	0.36	2.51	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.11	2.57	1.67	43.9	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,104	14,104	0.13	0.08	3.01	14,136
Vendor	0.37	0.29	9.54	3.91	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,378	8,378	0.15	1.30	0.68	8,771
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.57	2.53	1.80	33.2	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	12,765	12,765	0.17	0.13	0.08	12,807
Vendor	0.34	0.26	10.3	4.02	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,391	8,391	0.15	1.30	0.02	8,783
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.63	2.13	1.47	29.8	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,213	11,213	0.11	0.11	1.11	11,249
Vendor	0.31	0.24	8.53	3.40	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	7,186	7,186	0.13	1.12	0.25	7,522
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.39	0.27	5.43	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,856	1,856	0.02	0.02	0.18	1,862
Vendor	0.06	0.04	1.56	0.62	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,190	1,190	0.02	0.18	0.04	1,245

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.35. Building Construction (2046) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	6.38	12.1	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.92	0.77	6.38	12.1	0.02	0.12	—	0.12	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.79	0.66	5.47	10.4	0.02	0.10	—	0.10	0.09	—	0.09	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.14	0.12	1.00	1.90	< 0.005	0.02	—	0.02	0.02	—	0.02	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.07	2.53	1.67	43.4	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,069	14,069	0.13	0.08	2.46	14,100
Vendor	0.37	0.29	9.53	3.92	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,297	8,297	0.15	1.30	0.50	8,690
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.53	2.44	1.80	33.1	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	12,734	12,734	0.17	0.13	0.06	12,776
Vendor	0.34	0.27	10.2	4.03	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,310	8,310	0.15	1.30	0.01	8,703
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.52	2.06	1.47	29.7	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,186	11,186	0.11	0.11	0.91	11,222
Vendor	0.30	0.24	8.52	3.40	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	7,117	7,117	0.13	1.12	0.18	7,453
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.38	0.27	5.42	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,852	1,852	0.02	0.02	0.15	1,858
Vendor	0.06	0.04	1.55	0.62	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,178	1,178	0.02	0.18	0.03	1,234
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.36. Building Construction (2046) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	0.36	2.51	12.8	0.02	0.06	—	0.06	0.06	—	0.06	—	2,054	2,054	0.08	0.02	—	2,061
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.46	2.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	340	340	0.01	< 0.005	—	341
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.07	2.53	1.67	43.4	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	14,069	14,069	0.13	0.08	2.46	14,100
Vendor	0.37	0.29	9.53	3.92	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,297	8,297	0.15	1.30	0.50	8,690
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.53	2.44	1.80	33.1	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	12,734	12,734	0.17	0.13	0.06	12,776
Vendor	0.34	0.27	10.2	4.03	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,310	8,310	0.15	1.30	0.01	8,703
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.52	2.06	1.47	29.7	0.00	0.00	13.7	13.7	0.00	3.21	3.21	—	11,186	11,186	0.11	0.11	0.91	11,222
Vendor	0.30	0.24	8.52	3.40	0.08	0.08	3.08	3.16	0.08	0.85	0.93	—	7,117	7,117	0.13	1.12	0.18	7,453
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.38	0.27	5.42	0.00	0.00	2.50	2.50	0.00	0.59	0.59	—	1,852	1,852	0.02	0.02	0.15	1,858
Vendor	0.06	0.04	1.55	0.62	0.01	0.01	0.56	0.58	0.01	0.16	0.17	—	1,178	1,178	0.02	0.18	0.03	1,234
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.37. Building Construction (2047) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	6.33	12.1	0.02	0.11	—	0.11	0.11	—	0.11	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.04	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.9	16.9	< 0.005	< 0.005	—	16.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.80	2.80	< 0.005	< 0.005	—	2.81
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.48	2.44	1.80	33.0	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	12,708	12,708	0.17	0.13	0.05	12,750
Vendor	0.33	0.27	10.1	3.95	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,241	8,241	0.15	1.30	0.01	8,633
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.02	0.02	0.01	0.24	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	91.8	91.8	< 0.005	< 0.005	0.01	92.0
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	58.0	58.0	< 0.005	0.01	< 0.005	60.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.2	15.2	< 0.005	< 0.005	< 0.005	15.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.60	9.60	< 0.005	< 0.005	< 0.005	10.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.38. Building Construction (2047) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.42	2.93	14.9	0.02	0.07	—	0.07	0.07	—	0.07	—	2,397	2,397	0.10	0.02	—	2,405
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.9	16.9	< 0.005	< 0.005	—	16.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	< 0.005	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.80	2.80	< 0.005	< 0.005	—	2.81
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.48	2.44	1.80	33.0	0.00	0.00	16.0	16.0	0.00	3.76	3.76	—	12,708	12,708	0.17	0.13	0.05	12,750
Vendor	0.33	0.27	10.1	3.95	0.09	0.09	3.60	3.70	0.09	1.00	1.09	—	8,241	8,241	0.15	1.30	0.01	8,633
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.24	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	91.8	91.8	< 0.005	< 0.005	0.01	92.0
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	58.0	58.0	< 0.005	0.01	< 0.005	60.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.2	15.2	< 0.005	< 0.005	< 0.005	15.2
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.60	9.60	< 0.005	< 0.005	< 0.005	10.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.39. Paving (2047) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.53	0.44	5.00	9.71	0.01	0.07	—	0.07	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.53	0.44	5.00	9.71	0.01	0.07	—	0.07	0.07	—	0.07	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.44	0.37	4.14	8.03	0.01	0.06	—	0.06	0.05	—	0.05	—	1,250	1,250	0.05	0.01	—	1,254
Paving	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.08	0.07	0.76	1.47	< 0.005	0.01	—	0.01	0.01	—	0.01	—	207	207	0.01	< 0.005	—	208
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.34	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	110	110	< 0.005	< 0.005	0.02	111
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	99.8	99.8	< 0.005	< 0.005	< 0.005	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	84.6	84.6	< 0.005	< 0.005	0.01	84.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.0	14.0	< 0.005	< 0.005	< 0.005	14.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.40. Paving (2047) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.27	0.24	2.08	10.5	0.01	0.04	—	0.04	0.04	—	0.04	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.27	0.24	2.08	10.5	0.01	0.04	—	0.04	0.04	—	0.04	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.15	0.15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.20	1.72	8.65	0.01	0.03	—	0.03	0.03	—	0.03	—	1,250	1,250	0.05	0.01	—	1,254
Paving	0.12	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.31	1.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	207	207	0.01	< 0.005	—	208
Paving	0.02	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.34	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	110	110	< 0.005	< 0.005	0.02	111
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.26	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	99.8	99.8	< 0.005	< 0.005	< 0.005	100
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.22	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	84.6	84.6	< 0.005	< 0.005	0.01	84.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	14.0	14.0	< 0.005	< 0.005	< 0.005	14.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.41. Architectural Coating (2047) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	55.8	55.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.82	2.82	< 0.005	< 0.005	—	2.83
Architectural Coatings	1.18	1.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.47	0.47	< 0.005	< 0.005	—	0.47
Architectural Coatings	0.22	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.49	0.36	6.60	0.00	0.00	3.21	3.21	0.00	0.75	0.75	—	2,542	2,542	0.03	0.03	0.01	2,550
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	55.1	55.1	< 0.005	< 0.005	< 0.005	55.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.11	9.11	< 0.005	< 0.005	< 0.005	9.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.42. Architectural Coating (2047) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	55.8	55.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.82	2.82	< 0.005	< 0.005	—	2.83
Architectural Coatings	1.18	1.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.47	0.47	< 0.005	< 0.005	—	0.47
Architectural Coatings	0.22	0.22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.49	0.36	6.60	0.00	0.00	3.21	3.21	0.00	0.75	0.75	—	2,542	2,542	0.03	0.03	0.01	2,550
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	55.1	55.1	< 0.005	< 0.005	< 0.005	55.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.11	9.11	< 0.005	< 0.005	< 0.005	9.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.43. Architectural Coating (2048) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	55.8	55.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	55.8	55.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.60	0.88	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	108	108	< 0.005	< 0.005	—	108
Architectural Coatings	44.9	44.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.11	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.9
Architectural Coatings	8.20	8.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.61	0.50	0.33	8.65	0.00	0.00	3.21	3.21	0.00	0.75	0.75	—	2,804	2,804	0.03	0.02	0.34	2,810
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.49	0.36	6.58	0.00	0.00	3.21	3.21	0.00	0.75	0.75	—	2,537	2,537	0.03	0.03	0.01	2,546
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.39	0.28	5.48	0.00	0.00	2.57	2.57	0.00	0.60	0.60	—	2,095	2,095	0.02	0.02	0.12	2,101
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	1.00	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	347	347	< 0.005	< 0.005	0.02	348
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.44. Architectural Coating (2048) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	55.8	55.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.74	1.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	55.8	55.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.07	0.60	0.88	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	108	108	< 0.005	< 0.005	—	108
Architectural Coatings	44.9	44.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.11	0.16	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.8	17.8	< 0.005	< 0.005	—	17.9

Architect Coatings	8.20	8.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.61	0.50	0.33	8.65	0.00	0.00	3.21	3.21	0.00	0.75	0.75	—	2,804	2,804	0.03	0.02	0.34	2,810
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.50	0.49	0.36	6.58	0.00	0.00	3.21	3.21	0.00	0.75	0.75	—	2,537	2,537	0.03	0.03	0.01	2,546
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.39	0.28	5.48	0.00	0.00	2.57	2.57	0.00	0.60	0.60	—	2,095	2,095	0.02	0.02	0.12	2,101
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.05	1.00	0.00	0.00	0.47	0.47	0.00	0.11	0.11	—	347	347	< 0.005	< 0.005	0.02	348
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2032	3/4/2032	6.00	55.0	—
Site Preparation	Site Preparation	3/5/2032	9/13/2032	6.00	165	—
Grading	Grading	9/14/2032	1/6/2034	6.00	412	—
Building Construction	Building Construction	1/7/2034	1/3/2047	6.00	4,067	—
Paving	Paving	1/4/2047	12/22/2047	6.00	302	—
Architectural Coating	Architectural Coating	12/23/2047	12/8/2048	6.00	302	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40

Site Preparation	Tractors/Loaders/Back	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Back hoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Back hoes	Diesel	Average	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38

Grading	Tractors/Loaders/Back	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 4 Final	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	7.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Back hoes	Diesel	Tier 4 Final	3.00	7.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	11.9	LDA,LDT1,LDT2
Demolition	Vendor	—	9.10	HHDT,MHDT
Demolition	Hauling	8.73	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—

Grading	Worker	20.0	11.9	LDA,LDT1,LDT2
Grading	Vendor	—	9.10	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,910	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	472	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	382	11.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	11.9	LDA,LDT1,LDT2
Demolition	Vendor	—	9.10	HHDT,MHDT
Demolition	Hauling	8.73	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—

Site Preparation	Worker	17.5	11.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	9.10	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.9	LDA,LDT1,LDT2
Grading	Vendor	—	9.10	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	1,910	11.9	LDA,LDT1,LDT2
Building Construction	Vendor	472	9.10	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.9	LDA,LDT1,LDT2
Paving	Vendor	—	9.10	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	382	11.9	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	9.10	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	3,110,400	1,036,800	2,232,286	743,398	71,613

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	41,713	—
Site Preparation	—	—	248	0.00	—
Grading	—	—	1,236	0.00	—
Paving	0.00	0.00	0.00	0.00	27.4

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Strip Mall	0.00	0%
Parking Lot	7.70	100%
University/College (4yr)	0.00	0%
Apartments Mid Rise	—	0%
Other Asphalt Surfaces	7.70	100%
Unenclosed Parking with Elevator	1.60	100%
Other Non-Asphalt Surfaces	10.4	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2032	0.00	204	0.03	< 0.005
2033	0.00	204	0.03	< 0.005
2034	0.00	204	0.03	< 0.005
2035	0.00	204	0.03	< 0.005
2036	0.00	204	0.03	< 0.005
2037	0.00	204	0.03	< 0.005
2038	0.00	204	0.03	< 0.005
2039	0.00	204	0.03	< 0.005
2040	0.00	204	0.03	< 0.005
2041	0.00	204	0.03	< 0.005
2042	0.00	204	0.03	< 0.005
2043	0.00	204	0.03	< 0.005
2044	0.00	204	0.03	< 0.005
2045	0.00	204	0.03	< 0.005
2046	0.00	204	0.03	< 0.005
2047	0.00	204	0.03	< 0.005
2048	0.00	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	22.1	annual days of extreme heat
Extreme Precipitation	0.15	annual days with precipitation above 20 mm

Sea Level Rise	—	meters of inundation depth
Wildfire	19.7	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	61.0
AQ-PM	26.8
AQ-DPM	15.7
Drinking Water	60.1
Lead Risk Housing	17.3
Pesticides	83.8
Toxic Releases	18.1
Traffic	25.4
Effect Indicators	—

CleanUp Sites	89.4
Groundwater	97.2
Haz Waste Facilities/Generators	99.4
Impaired Water Bodies	93.4
Solid Waste	93.2
Sensitive Population	—
Asthma	25.2
Cardio-vascular	50.6
Low Birth Weights	52.4
Socioeconomic Factor Indicators	—
Education	68.6
Housing	5.48
Linguistic	31.3
Poverty	21.3
Unemployment	45.8

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	76.83818812
Employed	76.27357885
Median HI	87.89939689
Education	—
Bachelor's or higher	55.29321186
High school enrollment	100
Preschool enrollment	5.222635699
Transportation	—

Auto Access	78.96830489
Active commuting	55.15205954
Social	—
2-parent households	47.76081098
Voting	78.15988708
Neighborhood	—
Alcohol availability	84.49890928
Park access	5.902733222
Retail density	2.746054151
Supermarket access	10.85589632
Tree canopy	64.58360067
Housing	—
Homeownership	65.75131528
Housing habitability	87.28345951
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	88.64365456
Uncrowded housing	49.60862312
Health Outcomes	—
Insured adults	73.18105993
Arthritis	0.0
Asthma ER Admissions	60.1
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	51.5

Cognitively Disabled	82.5
Physically Disabled	52.4
Heart Attack ER Admissions	58.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	75.9
English Speaking	47.9
Foreign-born	13.3
Outdoor Workers	22.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	93.9
Traffic Density	13.8
Traffic Access	0.0
Other Indices	—
Hardship	42.3
Other Decision Support	—

2016 Voting	72.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0
Healthy Places Index Score for Project Location (b)	70.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Land uses are based on Project-specific information.
Construction: Construction Phases	Project-specific schedule.

Pacific Gateway (Initial Phase Operation - Auto) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Pacific Gateway (Initial Phase Operation - Auto)
Operational Year	2032
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	6.60
Location	37.649944, -121.397722
County	San Joaquin
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2114
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Office Building	11.5	1000sqft	0.50	11,500	0.00	—	—	—

Other Non-Asphalt Surfaces	1,071	1000sqft	24.6	0.00	0.00	—	—	—
Parking Lot	1,039	1000sqft	24.6	0.00	34,549	—	—	—
University/College (4yr)	400	Student	4.00	25,000	141,239	141,239	—	—
Industrial Park	3,962	1000sqft	82.2	3,962,000	1,296,227	—	—	—
Government Office Building	113	1000sqft	2.60	113,100	0.00	—	—	—
Other Asphalt Surfaces	2,917	1000sqft	67.0	0.00	0.00	—	—	—
City Park	20.3	Acre	20.3	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	116	110	54.2	569	1.44	3.38	128	132	3.26	32.5	35.8	4,555	173,173	177,727	473	7.92	1,273	193,177
Mit.	80.8	77.5	52.7	390	1.43	3.06	128	131	3.02	32.5	35.5	4,555	172,443	176,998	473	7.91	1,273	192,446
% Reduced	30%	30%	3%	31%	1%	9%	—	< 0.5%	7%	—	1%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	83.7	80.4	56.9	284	1.33	3.06	128	131	3.02	32.5	35.5	4,555	161,588	166,143	473	8.24	1,038	181,455
Mit.	80.1	76.9	56.9	284	1.33	3.06	128	131	3.02	32.5	35.5	4,555	161,588	166,143	473	8.24	1,038	181,455
% Reduced	4%	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	99.4	94.9	55.8	392	1.36	3.22	128	131	3.14	32.4	35.5	4,555	164,522	169,077	473	8.10	1,136	184,444
Mit.	80.1	76.8	55.0	304	1.35	3.06	128	131	3.02	32.4	35.4	4,555	164,163	168,717	473	8.09	1,136	184,083
% Reduced	19%	19%	1%	23%	< 0.5%	5%	—	< 0.5%	4%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	18.1	17.3	10.2	71.5	0.25	0.59	23.3	23.9	0.57	5.91	6.48	754	27,239	27,993	78.3	1.34	188	30,537
Mit.	14.6	14.0	10.0	55.4	0.25	0.56	23.3	23.8	0.55	5.91	6.46	754	27,179	27,933	78.3	1.34	188	30,477
% Reduced	19%	19%	1%	23%	< 0.5%	5%	—	< 0.5%	4%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.0	12.4	20.7	363	1.24	0.64	128	129	0.60	32.5	33.1	—	125,775	125,775	1.28	2.46	242	126,781
Area	98.7	96.2	1.50	179	0.01	0.32	—	0.32	0.24	—	0.24	—	735	735	0.03	0.01	—	738
Energy	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	42,433	42,433	11.2	1.02	—	43,018
Water	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Waste	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,032	1,032
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,073	4,073	—	—	—	4,073
Total	116	110	54.2	569	1.44	3.38	128	132	3.26	32.5	35.8	4,555	173,173	177,727	473	7.92	1,273	193,177
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.3	11.8	25.0	257	1.13	0.64	128	129	0.60	32.5	33.1	—	114,926	114,926	1.37	2.79	6.26	115,797
Area	66.9	66.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	42,433	42,433	11.2	1.02	—	43,018
Water	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Waste	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,032	1,032
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,073	4,073	—	—	—	4,073
Total	83.7	80.4	56.9	284	1.33	3.06	128	131	3.02	32.5	35.5	4,555	161,588	166,143	473	8.24	1,038	181,455
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.3	11.8	23.1	277	1.16	0.64	128	128	0.60	32.4	33.0	—	117,497	117,497	1.31	2.64	104	118,422
Area	82.6	81.4	0.74	88.2	0.01	0.16	—	0.16	0.12	—	0.12	—	363	363	0.02	< 0.005	—	364
Energy	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	42,433	42,433	11.2	1.02	—	43,018
Water	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Waste	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,032	1,032
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,073	4,073	—	—	—	4,073
Total	99.4	94.9	55.8	392	1.36	3.22	128	131	3.14	32.4	35.5	4,555	164,522	169,077	473	8.10	1,136	184,444
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.42	2.15	4.22	50.5	0.21	0.12	23.3	23.4	0.11	5.91	6.02	—	19,453	19,453	0.22	0.44	17.3	19,606
Area	15.1	14.8	0.14	16.1	< 0.005	0.03	—	0.03	0.02	—	0.02	—	60.0	60.0	< 0.005	< 0.005	—	60.3
Energy	0.64	0.32	5.83	4.89	0.03	0.44	—	0.44	0.44	—	0.44	—	7,025	7,025	1.85	0.17	—	7,122

Water	—	—	—	—	—	—	—	—	—	—	—	299	25.8	325	30.7	0.73	—	1,310
Waste	—	—	—	—	—	—	—	—	—	—	—	455	0.00	455	45.5	0.00	—	1,593
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	171	171
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	674	674	—	—	—	674
Total	18.1	17.3	10.2	71.5	0.25	0.59	23.3	23.9	0.57	5.91	6.48	754	27,239	27,993	78.3	1.34	188	30,537

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.0	12.4	20.7	363	1.24	0.64	128	129	0.60	32.5	33.1	—	125,775	125,775	1.28	2.46	242	126,781
Area	63.3	63.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	42,439	42,439	11.2	1.02	—	43,024
Water	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Waste	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,032	1,032
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,073	4,073	—	—	—	4,073
Total	80.8	77.5	52.7	390	1.43	3.06	128	131	3.02	32.5	35.5	4,555	172,443	176,998	473	7.91	1,273	192,446
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.3	11.8	25.0	257	1.13	0.64	128	129	0.60	32.5	33.1	—	114,926	114,926	1.37	2.79	6.26	115,797
Area	63.3	63.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	42,433	42,433	11.2	1.02	—	43,018
Water	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Waste	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,032	1,032
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,073	4,073	—	—	—	4,073
Total	80.1	76.9	56.9	284	1.33	3.06	128	131	3.02	32.5	35.5	4,555	161,588	166,143	473	8.24	1,038	181,455
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.3	11.8	23.1	277	1.16	0.64	128	128	0.60	32.4	33.0	—	117,497	117,497	1.31	2.64	104	118,422
Area	63.3	63.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	42,436	42,436	11.2	1.02	—	43,021
Water	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Waste	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,032	1,032
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,073	4,073	—	—	—	4,073
Total	80.1	76.8	55.0	304	1.35	3.06	128	131	3.02	32.4	35.4	4,555	164,163	168,717	473	8.09	1,136	184,083
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.42	2.15	4.22	50.5	0.21	0.12	23.3	23.4	0.11	5.91	6.02	—	19,453	19,453	0.22	0.44	17.3	19,606
Area	11.6	11.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.64	0.32	5.83	4.89	0.03	0.44	—	0.44	0.44	—	0.44	—	7,026	7,026	1.86	0.17	—	7,123
Water	—	—	—	—	—	—	—	—	—	—	—	299	25.8	325	30.7	0.73	—	1,310
Waste	—	—	—	—	—	—	—	—	—	—	—	455	0.00	455	45.5	0.00	—	1,593
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	171	171
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	674	674	—	—	—	674
Total	14.6	14.0	10.0	55.4	0.25	0.56	23.3	23.8	0.55	5.91	6.46	754	27,179	27,933	78.3	1.34	188	30,477

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.67	0.63	0.52	8.34	0.03	0.01	2.61	2.63	0.01	0.66	0.68	—	2,597	2,597	0.05	0.06	4.93	2,622
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
University/College (4yr)	1.34	1.25	1.27	21.0	0.07	0.04	6.90	6.94	0.03	1.75	1.79	—	6,826	6,826	0.10	0.15	13.0	6,887
Industrial Park	11.9	10.6	18.9	334	1.15	0.59	119	119	0.55	30.1	30.7	—	116,351	116,351	1.13	2.24	224	117,272
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	14.0	12.4	20.7	363	1.24	0.64	128	129	0.60	32.5	33.1	—	125,775	125,775	1.28	2.46	242	126,781
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	0.64	0.60	0.63	6.62	0.02	0.01	2.61	2.63	0.01	0.66	0.68	—	2,377	2,377	0.06	0.07	0.13	2,400
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
University/College (4yr)	1.29	1.19	1.53	16.0	0.06	0.04	6.90	6.94	0.03	1.75	1.79	—	6,243	6,243	0.12	0.17	0.34	6,298
Industrial Park	11.4	10.0	22.8	235	1.05	0.59	119	119	0.55	30.1	30.7	—	106,306	106,306	1.19	2.54	5.80	107,099
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	13.3	11.8	25.0	257	1.13	0.64	128	129	0.60	32.5	33.1	—	114,926	114,926	1.37	2.79	6.26	115,797
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.12	0.11	0.11	1.24	< 0.005	< 0.005	0.47	0.48	< 0.005	0.12	0.12	—	402	402	0.01	0.01	0.35	406
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

University/College (4yr)	0.23	0.22	0.26	3.04	0.01	0.01	1.25	1.26	0.01	0.32	0.32	—	1,056	1,056	0.02	0.03	0.93	1,066
Industrial Park	2.07	1.83	3.86	46.2	0.20	0.11	21.6	21.7	0.10	5.47	5.57	—	17,994	17,994	0.19	0.40	16.0	18,134
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.42	2.15	4.22	50.5	0.21	0.12	23.3	23.4	0.11	5.91	6.02	—	19,453	19,453	0.22	0.44	17.3	19,606

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.67	0.63	0.52	8.34	0.03	0.01	2.61	2.63	0.01	0.66	0.68	—	2,597	2,597	0.05	0.06	4.93	2,622
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

University/College (4yr)	1.34	1.25	1.27	21.0	0.07	0.04	6.90	6.94	0.03	1.75	1.79	—	6,826	6,826	0.10	0.15	13.0	6,887
Industrial Park	11.9	10.6	18.9	334	1.15	0.59	119	119	0.55	30.1	30.7	—	116,351	116,351	1.13	2.24	224	117,272
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	14.0	12.4	20.7	363	1.24	0.64	128	129	0.60	32.5	33.1	—	125,775	125,775	1.28	2.46	242	126,781
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.64	0.60	0.63	6.62	0.02	0.01	2.61	2.63	0.01	0.66	0.68	—	2,377	2,377	0.06	0.07	0.13	2,400
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
University/College (4yr)	1.29	1.19	1.53	16.0	0.06	0.04	6.90	6.94	0.03	1.75	1.79	—	6,243	6,243	0.12	0.17	0.34	6,298
Industrial Park	11.4	10.0	22.8	235	1.05	0.59	119	119	0.55	30.1	30.7	—	106,306	106,306	1.19	2.54	5.80	107,099

Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	13.3	11.8	25.0	257	1.13	0.64	128	129	0.60	32.5	33.1	—	114,926	114,926	1.37	2.79	6.26	115,797
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.12	0.11	0.11	1.24	< 0.005	< 0.005	0.47	0.48	< 0.005	0.12	0.12	—	402	402	0.01	0.01	0.35	406
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
University/College (4yr)	0.23	0.22	0.26	3.04	0.01	0.01	1.25	1.26	0.01	0.32	0.32	—	1,056	1,056	0.02	0.03	0.93	1,066
Industrial Park	2.07	1.83	3.86	46.2	0.20	0.11	21.6	21.7	0.10	5.47	5.57	—	17,994	17,994	0.19	0.40	16.0	18,134
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.42	2.15	4.22	50.5	0.21	0.12	23.3	23.4	0.11	5.91	6.02	—	19,453	19,453	0.22	0.44	17.3	19,606

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	12.1	12.1	0.02	< 0.005	—	13.4
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	47.1	47.1	0.08	0.01	—	52.3
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	7.33	7.33	0.01	< 0.005	—	8.14
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	4,157	4,157	7.50	0.91	—	4,616
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119	119	0.21	0.03	—	132
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,343	4,343	7.83	0.95	—	4,821

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	12.1	12.1	0.02	< 0.005	—	13.4
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	47.1	47.1	0.08	0.01	—	52.3
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	7.33	7.33	0.01	< 0.005	—	8.14
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	4,157	4,157	7.50	0.91	—	4,616
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119	119	0.21	0.03	—	132
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,343	4,343	7.83	0.95	—	4,821
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2.00	2.00	< 0.005	< 0.005	—	2.22
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	7.79	7.79	0.01	< 0.005	—	8.65

Universit (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	1.21	1.21	< 0.005	< 0.005	—	1.35
Industria l Park	—	—	—	—	—	—	—	—	—	—	—	—	688	688	1.24	0.15	—	764
Govern ment Office Building	—	—	—	—	—	—	—	—	—	—	—	—	19.6	19.6	0.04	< 0.005	—	21.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	719	719	1.30	0.16	—	798

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	12.1	12.1	0.02	< 0.005	—	13.4
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	47.1	47.1	0.08	0.01	—	52.3
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	7.37	7.37	0.01	< 0.005	—	8.18

Industrial	—	—	—	—	—	—	—	—	—	—	—	—	4,163	4,163	7.51	0.91	—	4,622
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119	119	0.21	0.03	—	132
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,348	4,348	7.84	0.95	—	4,828
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	12.1	12.1	0.02	< 0.005	—	13.4
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	47.1	47.1	0.08	0.01	—	52.3
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	7.33	7.33	0.01	< 0.005	—	8.14
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	4,157	4,157	7.50	0.91	—	4,616
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119	119	0.21	0.03	—	132
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,343	4,343	7.83	0.95	—	4,821
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2.00	2.00	< 0.005	< 0.005	—	2.22
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	7.79	7.79	0.01	< 0.005	—	8.65
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	1.22	1.22	< 0.005	< 0.005	—	1.35
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	689	689	1.24	0.15	—	765
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	19.7	19.7	0.04	< 0.005	—	21.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	719	719	1.30	0.16	—	799

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	281	281	0.02	< 0.005	—	282
Industrial Park	3.38	1.69	30.7	25.8	0.18	2.33	—	2.33	2.33	—	2.33	—	36,657	36,657	3.24	0.07	—	36,758
Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	38,091	38,091	3.37	0.07	—	38,196
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	281	281	0.02	< 0.005	—	282
Industrial Park	3.38	1.69	30.7	25.8	0.18	2.33	—	2.33	2.33	—	2.33	—	36,657	36,657	3.24	0.07	—	36,758
Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	38,091	38,091	3.37	0.07	—	38,196
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.6	17.6	< 0.005	< 0.005	—	17.7
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.5	46.5	< 0.005	< 0.005	—	46.7
Industrial Park	0.62	0.31	5.61	4.71	0.03	0.43	—	0.43	0.43	—	0.43	—	6,069	6,069	0.54	0.01	—	6,086

Government Office Building	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	173	173	0.02	< 0.005	—	174
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.64	0.32	5.83	4.89	0.03	0.44	—	0.44	0.44	—	0.44	—	6,306	6,306	0.56	0.01	—	6,324

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	281	281	0.02	< 0.005	—	282
Industrial Park	3.38	1.69	30.7	25.8	0.18	2.33	—	2.33	2.33	—	2.33	—	36,657	36,657	3.24	0.07	—	36,758

Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	38,091	38,091	3.37	0.07	—	38,196
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	281	281	0.02	< 0.005	—	282
Industrial Park	3.38	1.69	30.7	25.8	0.18	2.33	—	2.33	2.33	—	2.33	—	36,657	36,657	3.24	0.07	—	36,758
Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Total	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	38,091	38,091	3.37	0.07	—	38,196
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.6	17.6	< 0.005	< 0.005	—	17.7
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.5	46.5	< 0.005	< 0.005	—	46.7
Industrial Park	0.62	0.31	5.61	4.71	0.03	0.43	—	0.43	0.43	—	0.43	—	6,069	6,069	0.54	0.01	—	6,086
Government Office Building	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	173	173	0.02	< 0.005	—	174
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.64	0.32	5.83	4.89	0.03	0.44	—	0.44	0.44	—	0.44	—	6,306	6,306	0.56	0.01	—	6,324

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	61.2	61.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.61	5.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	31.8	29.4	1.50	179	0.01	0.32	—	0.32	0.24	—	0.24	—	735	735	0.03	0.01	—	738
Total	98.7	96.2	1.50	179	0.01	0.32	—	0.32	0.24	—	0.24	—	735	735	0.03	0.01	—	738
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	61.2	61.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.61	5.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	66.9	66.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.2	11.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.02	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape	2.87	2.65	0.14	16.1	< 0.005	0.03	—	0.03	0.02	—	0.02	—	60.0	60.0	< 0.005	< 0.005	—	60.3
Total	15.1	14.8	0.14	16.1	< 0.005	0.03	—	0.03	0.02	—	0.02	—	60.0	60.0	< 0.005	< 0.005	—	60.3

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	61.2	61.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.06	2.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	63.3	63.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	61.2	61.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.06	2.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	63.3	63.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.2	11.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.38	0.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	11.6	11.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.33	4.25	0.40	0.01	—	17.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.04	0.04	< 0.005	< 0.005	—	0.05
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	1.64	0.52	2.17	0.17	< 0.005	—	7.62
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	1,756	151	1,907	180	4.31	—	7,699
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	3.67	46.7	4.42	0.11	—	189
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.33	4.25	0.40	0.01	—	17.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.04	0.04	< 0.005	< 0.005	—	0.05
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	1.64	0.52	2.17	0.17	< 0.005	—	7.62
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	1,756	151	1,907	180	4.31	—	7,699
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	3.67	46.7	4.42	0.11	—	189
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.65	0.06	0.70	0.07	< 0.005	—	2.84

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	< 0.005	< 0.005	—	0.01
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.27	0.09	0.36	0.03	< 0.005	—	1.26
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	291	25.1	316	29.9	0.71	—	1,275
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	7.13	0.61	7.74	0.73	0.02	—	31.3
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	299	25.8	325	30.7	0.73	—	1,310

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.33	4.25	0.40	0.01	—	17.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.04	0.04	< 0.005	< 0.005	—	0.05
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	1.64	0.52	2.17	0.17	< 0.005	—	7.62
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	1,756	151	1,907	180	4.31	—	7,699
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	3.67	46.7	4.42	0.11	—	189
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.33	4.25	0.40	0.01	—	17.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.04	0.04	< 0.005	< 0.005	—	0.05
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	1.64	0.52	2.17	0.17	< 0.005	—	7.62
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	1,756	151	1,907	180	4.31	—	7,699

Govern Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	3.67	46.7	4.42	0.11	—	189
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.65	0.06	0.70	0.07	< 0.005	—	2.84
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	< 0.005	< 0.005	—	0.01
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.27	0.09	0.36	0.03	< 0.005	—	1.26
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	291	25.1	316	29.9	0.71	—	1,275
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	7.13	0.61	7.74	0.73	0.02	—	31.3
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	299	25.8	325	30.7	0.73	—	1,310

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	39.3	0.00	39.3	3.93	0.00	—	138
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	2,648	0.00	2,648	265	0.00	—	9,264
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.94	0.00	0.94	0.09	0.00	—	3.29
Total	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	39.3	0.00	39.3	3.93	0.00	—	138
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	2,648	0.00	2,648	265	0.00	—	9,264
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.94	0.00	0.94	0.09	0.00	—	3.29
Total	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.95	0.00	0.95	0.10	0.00	—	3.34
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Universit (4yr)	—	—	—	—	—	—	—	—	—	—	—	6.51	0.00	6.51	0.65	0.00	—	22.8
Industria l Park	—	—	—	—	—	—	—	—	—	—	—	438	0.00	438	43.8	0.00	—	1,534
Govern ment Office Building	—	—	—	—	—	—	—	—	—	—	—	9.39	0.00	9.39	0.94	0.00	—	32.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.16	0.00	0.16	0.02	0.00	—	0.54
Total	—	—	—	—	—	—	—	—	—	—	—	455	0.00	455	45.5	0.00	—	1,593

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	39.3	0.00	39.3	3.93	0.00	—	138

Industrial	—	—	—	—	—	—	—	—	—	—	—	2,648	0.00	2,648	265	0.00	—	9,264
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.94	0.00	0.94	0.09	0.00	—	3.29
Total	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	39.3	0.00	39.3	3.93	0.00	—	138
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	2,648	0.00	2,648	265	0.00	—	9,264
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

City Park	—	—	—	—	—	—	—	—	—	—	—	0.94	0.00	0.94	0.09	0.00	—	3.29
Total	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.95	0.00	0.95	0.10	0.00	—	3.34
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	6.51	0.00	6.51	0.65	0.00	—	22.8
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	438	0.00	438	43.8	0.00	—	1,534
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	9.39	0.00	9.39	0.94	0.00	—	32.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.16	0.00	0.16	0.02	0.00	—	0.54
Total	—	—	—	—	—	—	—	—	—	—	—	455	0.00	455	45.5	0.00	—	1,593

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,031	1,031
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,032	1,032
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,031	1,031

Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,032	1,032
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	171	171
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	171	171

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03

Universit (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Industria l Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,031	1,031
Govern ment Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,032	1,032
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Industria l Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,031	1,031
Govern ment Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,032	1,032
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	171	171
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	171	171

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipm Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Croplan	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Croplan d	—	—	—	—	—	—	—	—	—	—	—	—	185	185	—	—	—	185
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	185	185	—	—	—	185

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	3,044	3,044	—	—	—	3,044
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-90.4	-90.4	—	—	—	-90.4
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,954	2,954	—	—	—	2,954
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	3,044	3,044	—	—	—	3,044
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-90.4	-90.4	—	—	—	-90.4
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,954	2,954	—	—	—	2,954

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	504	504	—	—	—	504
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-15.0	-15.0	—	—	—	-15.0
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	489	489	—	—	—	489

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	185	185	—	—	—	185
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	185	185	—	—	—	185

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	3,044	3,044	—	—	—	3,044
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-90.4	-90.4	—	—	—	-90.4
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,954	2,954	—	—	—	2,954
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	3,044	3,044	—	—	—	3,044
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-90.4	-90.4	—	—	—	-90.4
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,954	2,954	—	—	—	2,954
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Broadleaf	—	—	—	—	—	—	—	—	—	—	—	—	504	504	—	—	—	504
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-15.0	-15.0	—	—	—	-15.0
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	489	489	—	—	—	489

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	330	330	330	120,450	3,696	3,696	3,696	1,349,040
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
University/College (4yr)	622	622	622	227,030	9,765	9,765	9,765	3,564,226
Industrial Park	4,240	4,240	4,240	1,547,605	167,773	167,773	167,773	61,237,072
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	330	330	330	120,450	3,696	3,696	3,696	1,349,040
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
University/College (4yr)	622	622	622	227,030	9,765	9,765	9,765	3,564,226
Industrial Park	4,240	4,240	4,240	1,547,605	167,773	167,773	167,773	61,237,072
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	6,167,400	2,055,800	303,700

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	240,687	18.3	0.0330	0.0040	331,994
Other Non-Asphalt Surfaces	0.00	18.3	0.0330	0.0040	0.00
Parking Lot	938,701	18.3	0.0330	0.0040	0.00
University/College (4yr)	146,225	18.3	0.0330	0.0040	877,271
Industrial Park	82,922,031	18.3	0.0330	0.0040	114,379,059
Government Office Building	2,367,108	18.3	0.0330	0.0040	3,265,086
Other Asphalt Surfaces	0.00	18.3	0.0330	0.0040	0.00
City Park	0.00	18.3	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

General Office Building	240,687	18.3	0.0330	0.0040	331,994
Other Non-Asphalt Surfaces	0.00	18.3	0.0330	0.0040	0.00
Parking Lot	938,701	18.3	0.0330	0.0040	0.00
University/College (4yr)	146,225	18.3	0.0330	0.0040	877,271
Industrial Park	82,922,031	18.3	0.0330	0.0040	114,379,059
Government Office Building	2,367,108	18.3	0.0330	0.0040	3,265,086
Other Asphalt Surfaces	0.00	18.3	0.0330	0.0040	0.00
City Park	0.00	18.3	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	2,043,938	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	484,932
University/College (4yr)	856,440	4,405,419
Industrial Park	916,212,500	18,193,914
Government Office Building	22,468,410	0.00
Other Asphalt Surfaces	0.00	0.00
City Park	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	2,043,938	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	484,932
University/College (4yr)	856,440	4,405,419

Industrial Park	916,212,500	18,193,914
Government Office Building	22,468,410	0.00
Other Asphalt Surfaces	0.00	0.00
City Park	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	10.7	—
Other Non-Asphalt Surfaces	0.00	—
Parking Lot	0.00	—
University/College (4yr)	73.0	—
Industrial Park	4,913	—
Government Office Building	105	—
Other Asphalt Surfaces	0.00	—
City Park	1.75	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	10.7	—
Other Non-Asphalt Surfaces	0.00	—
Parking Lot	0.00	—
University/College (4yr)	73.0	—
Industrial Park	4,913	—
Government Office Building	105	—
Other Asphalt Surfaces	0.00	—
City Park	1.75	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
Cropland	Inceptisols	226	0.00
Urban	Inceptisols	0.00	226

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
Cropland	Inceptisols	226	0.00
Urban	Inceptisols	0.00	226

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
Broadleaf Forest	226	0.00
Grassland	0.00	34.0
Urban	0.00	192

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
Broadleaf Forest	226	0.00
Grassland	0.00	34.0
Urban	0.00	192

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	22.1	annual days of extreme heat
Extreme Precipitation	0.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	19.7	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	61.0
AQ-PM	26.8
AQ-DPM	15.7
Drinking Water	60.1
Lead Risk Housing	17.3

Pesticides	83.8
Toxic Releases	18.1
Traffic	25.4
Effect Indicators	—
CleanUp Sites	89.4
Groundwater	97.2
Haz Waste Facilities/Generators	99.4
Impaired Water Bodies	93.4
Solid Waste	93.2
Sensitive Population	—
Asthma	25.2
Cardio-vascular	50.6
Low Birth Weights	52.4
Socioeconomic Factor Indicators	—
Education	68.6
Housing	5.48
Linguistic	31.3
Poverty	21.3
Unemployment	45.8

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	76.83818812
Employed	76.27357885
Median HI	87.89939689
Education	—

Bachelor's or higher	55.29321186
High school enrollment	100
Preschool enrollment	5.222635699
Transportation	—
Auto Access	78.96830489
Active commuting	55.15205954
Social	—
2-parent households	47.76081098
Voting	78.15988708
Neighborhood	—
Alcohol availability	84.49890928
Park access	5.902733222
Retail density	2.746054151
Supermarket access	10.85589632
Tree canopy	64.58360067
Housing	—
Homeownership	65.75131528
Housing habitability	87.28345951
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	88.64365456
Uncrowded housing	49.60862312
Health Outcomes	—
Insured adults	73.18105993
Arthritis	0.0
Asthma ER Admissions	60.1
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0

Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	51.5
Cognitively Disabled	82.5
Physically Disabled	52.4
Heart Attack ER Admissions	58.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	75.9
English Speaking	47.9
Foreign-born	13.3
Outdoor Workers	22.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	93.9
Traffic Density	13.8

Traffic Access	0.0
Other Indices	—
Hardship	42.3
Other Decision Support	—
2016 Voting	72.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0
Healthy Places Index Score for Project Location (b)	70.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	2032 RPS
Land Use	Land uses are based on Project-specific information.
Operations: Vehicle Data	Project trip lengths and rates derived from traffic study conducted by Fehr & Peers.

Operations: Fleet Mix	Fleet mix is based on auto-specific vehicle types.
Operations: Energy Use	—
Operations: Refrigerants	Refrigerant usage for Industrial Park based on Project-specific data.
Operations: Consumer Products	Refined consumer product emission factor based on San Joaquin County-specific consumer product usage and population projections.

Pacific Gateway (Initial Phase Operation - Truck) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Pacific Gateway (Initial Phase Operation - Truck)
Operational Year	2032
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	6.60
Location	37.649944, -121.397722
County	San Joaquin
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2114
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Office Building	11.5	1000sqft	0.50	11,500	0.00	—	—	—

Other Non-Asphalt Surfaces	1,071	1000sqft	24.6	0.00	0.00	—	—	—
Parking Lot	1,039	1000sqft	24.6	0.00	34,549	—	—	—
University/College (4yr)	400	Student	4.00	25,000	141,239	141,239	—	—
Industrial Park	3,962	1000sqft	82.2	3,962,000	1,296,227	—	—	—
Government Office Building	113	1000sqft	2.60	113,100	0.00	—	—	—
Other Asphalt Surfaces	2,917	1000sqft	67.0	0.00	0.00	—	—	—
City Park	20.3	Acre	20.3	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	109	101	270	251	2.27	7.05	69.9	77.0	6.78	18.8	25.6	4,555	268,626	273,180	475	40.4	1,432	298,525
Mit.	73.6	68.4	269	72.5	2.26	6.73	69.9	76.7	6.54	18.8	25.4	4,555	267,896	272,451	474	40.4	1,432	297,794
% Reduced	32%	33%	1%	71%	< 0.5%	5%	—	< 0.5%	4%	—	1%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	76.9	71.8	285	73.1	2.26	6.73	69.9	76.7	6.55	18.8	25.4	4,555	267,965	272,520	474	40.4	1,094	297,527
Mit.	73.4	68.2	285	73.1	2.26	6.73	69.9	76.7	6.55	18.8	25.4	4,555	267,965	272,520	474	40.4	1,094	297,527
% Reduced	5%	5%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	92.8	86.4	280	161	2.27	6.89	69.7	76.6	6.66	18.8	25.4	4,555	268,284	272,839	474	40.4	1,234	297,987
Mit.	73.5	68.3	280	72.7	2.26	6.73	69.7	76.4	6.55	18.8	25.3	4,555	267,925	272,479	474	40.4	1,234	297,626
% Reduced	21%	21%	< 0.5%	55%	< 0.5%	2%	—	< 0.5%	2%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	16.9	15.8	51.2	29.4	0.41	1.26	12.7	14.0	1.22	3.42	4.64	754	44,418	45,172	78.6	6.70	204	49,335
Mit.	13.4	12.5	51.0	13.3	0.41	1.23	12.7	14.0	1.19	3.42	4.62	754	44,358	45,112	78.6	6.69	204	49,275
% Reduced	21%	21%	< 0.5%	55%	< 0.5%	2%	—	< 0.5%	2%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.77	3.35	237	45.6	2.07	4.30	69.9	74.2	4.12	18.8	22.9	—	221,228	221,228	3.09	35.0	347	232,076
Area	98.7	96.2	1.50	179	0.01	0.32	—	0.32	0.24	—	0.24	—	735	735	0.03	0.01	—	738
Energy	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	42,433	42,433	11.2	1.02	—	43,018
Water	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Waste	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,085	1,085
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,073	4,073	—	—	—	4,073
Total	109	101	270	251	2.27	7.05	69.9	77.0	6.78	18.8	25.6	4,555	268,626	273,180	475	40.4	1,432	298,525
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.57	3.17	253	46.2	2.07	4.31	69.9	74.2	4.12	18.8	22.9	—	221,303	221,303	3.08	35.0	9.00	231,817
Area	66.9	66.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	42,433	42,433	11.2	1.02	—	43,018
Water	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Waste	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,085	1,085
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,073	4,073	—	—	—	4,073
Total	76.9	71.8	285	73.1	2.26	6.73	69.9	76.7	6.55	18.8	25.4	4,555	267,965	272,520	474	40.4	1,094	297,527
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.68	3.28	248	45.9	2.07	4.31	69.7	74.0	4.12	18.8	22.9	—	221,259	221,259	3.09	35.0	150	231,912
Area	82.6	81.4	0.74	88.2	0.01	0.16	—	0.16	0.12	—	0.12	—	363	363	0.02	< 0.005	—	364
Energy	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	42,433	42,433	11.2	1.02	—	43,018
Water	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Waste	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,085	1,085
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,073	4,073	—	—	—	4,073
Total	92.8	86.4	280	161	2.27	6.89	69.7	76.6	6.66	18.8	25.4	4,555	268,284	272,839	474	40.4	1,234	297,987
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.22	0.60	45.2	8.37	0.38	0.79	12.7	13.5	0.75	3.42	4.17	—	36,632	36,632	0.51	5.79	24.8	38,396
Area	15.1	14.8	0.14	16.1	< 0.005	0.03	—	0.03	0.02	—	0.02	—	60.0	60.0	< 0.005	< 0.005	—	60.3
Energy	0.64	0.32	5.83	4.89	0.03	0.44	—	0.44	0.44	—	0.44	—	7,025	7,025	1.85	0.17	—	7,122

Water	—	—	—	—	—	—	—	—	—	—	—	299	25.8	325	30.7	0.73	—	1,310
Waste	—	—	—	—	—	—	—	—	—	—	—	455	0.00	455	45.5	0.00	—	1,593
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	180	180
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	674	674	—	—	—	674
Total	16.9	15.8	51.2	29.4	0.41	1.26	12.7	14.0	1.22	3.42	4.64	754	44,418	45,172	78.6	6.70	204	49,335

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.77	3.35	237	45.6	2.07	4.30	69.9	74.2	4.12	18.8	22.9	—	221,228	221,228	3.09	35.0	347	232,076
Area	63.3	63.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	42,439	42,439	11.2	1.02	—	43,024
Water	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Waste	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,085	1,085
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,073	4,073	—	—	—	4,073
Total	73.6	68.4	269	72.5	2.26	6.73	69.9	76.7	6.54	18.8	25.4	4,555	267,896	272,451	474	40.4	1,432	297,794
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.57	3.17	253	46.2	2.07	4.31	69.9	74.2	4.12	18.8	22.9	—	221,303	221,303	3.08	35.0	9.00	231,817
Area	63.3	63.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	42,433	42,433	11.2	1.02	—	43,018
Water	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Waste	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,085	1,085
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,073	4,073	—	—	—	4,073
Total	73.4	68.2	285	73.1	2.26	6.73	69.9	76.7	6.55	18.8	25.4	4,555	267,965	272,520	474	40.4	1,094	297,527
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.68	3.28	248	45.9	2.07	4.31	69.7	74.0	4.12	18.8	22.9	—	221,259	221,259	3.09	35.0	150	231,912
Area	63.3	63.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	42,436	42,436	11.2	1.02	—	43,021
Water	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Waste	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,085	1,085
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,073	4,073	—	—	—	4,073
Total	73.5	68.3	280	72.7	2.26	6.73	69.7	76.4	6.55	18.8	25.3	4,555	267,925	272,479	474	40.4	1,234	297,626
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.22	0.60	45.2	8.37	0.38	0.79	12.7	13.5	0.75	3.42	4.17	—	36,632	36,632	0.51	5.79	24.8	38,396
Area	11.6	11.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.64	0.32	5.83	4.89	0.03	0.44	—	0.44	0.44	—	0.44	—	7,026	7,026	1.86	0.17	—	7,123
Water	—	—	—	—	—	—	—	—	—	—	—	299	25.8	325	30.7	0.73	—	1,310
Waste	—	—	—	—	—	—	—	—	—	—	—	455	0.00	455	45.5	0.00	—	1,593
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	180	180
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	674	674	—	—	—	674
Total	13.4	12.5	51.0	13.3	0.41	1.23	12.7	14.0	1.19	3.42	4.62	754	44,358	45,112	78.6	6.69	204	49,275

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
University/College (4yr)	0.01	< 0.005	0.27	0.05	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	248	248	< 0.005	0.04	0.39	260
Industrial Park	6.76	3.35	237	45.6	2.07	4.30	69.9	74.2	4.11	18.8	22.9	—	220,980	220,980	3.09	34.9	347	231,816
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	6.77	3.35	237	45.6	2.07	4.30	69.9	74.2	4.12	18.8	22.9	—	221,228	221,228	3.09	35.0	347	232,076
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
University/College (4yr)	0.01	< 0.005	0.28	0.05	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	248	248	< 0.005	0.04	0.01	260
Industrial Park	6.56	3.17	252	46.2	2.07	4.30	69.9	74.2	4.12	18.8	22.9	—	221,055	221,055	3.08	35.0	8.99	231,557
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	6.57	3.17	253	46.2	2.07	4.31	69.9	74.2	4.12	18.8	22.9	—	221,303	221,303	3.08	35.0	9.00	231,817
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

University/College (4yr)	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	41.1	41.1	< 0.005	0.01	0.03	43.0
Industrial Park	1.22	0.60	45.2	8.37	0.38	0.78	12.7	13.5	0.75	3.42	4.17	—	36,591	36,591	0.51	5.79	24.8	38,353
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.22	0.60	45.2	8.37	0.38	0.79	12.7	13.5	0.75	3.42	4.17	—	36,632	36,632	0.51	5.79	24.8	38,396

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

University/College (4yr)	0.01	< 0.005	0.27	0.05	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	248	248	< 0.005	0.04	0.39	260
Industrial Park	6.76	3.35	237	45.6	2.07	4.30	69.9	74.2	4.11	18.8	22.9	—	220,980	220,980	3.09	34.9	347	231,816
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	6.77	3.35	237	45.6	2.07	4.30	69.9	74.2	4.12	18.8	22.9	—	221,228	221,228	3.09	35.0	347	232,076
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
University/College (4yr)	0.01	< 0.005	0.28	0.05	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	248	248	< 0.005	0.04	0.01	260
Industrial Park	6.56	3.17	252	46.2	2.07	4.30	69.9	74.2	4.12	18.8	22.9	—	221,055	221,055	3.08	35.0	8.99	231,557

Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	6.57	3.17	253	46.2	2.07	4.31	69.9	74.2	4.12	18.8	22.9	—	221,303	221,303	3.08	35.0	9.00	231,817
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
University/College (4yr)	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	41.1	41.1	< 0.005	0.01	0.03	43.0
Industrial Park	1.22	0.60	45.2	8.37	0.38	0.78	12.7	13.5	0.75	3.42	4.17	—	36,591	36,591	0.51	5.79	24.8	38,353
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.22	0.60	45.2	8.37	0.38	0.79	12.7	13.5	0.75	3.42	4.17	—	36,632	36,632	0.51	5.79	24.8	38,396

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	12.1	12.1	0.02	< 0.005	—	13.4
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	47.1	47.1	0.08	0.01	—	52.3
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	7.33	7.33	0.01	< 0.005	—	8.14
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	4,157	4,157	7.50	0.91	—	4,616
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119	119	0.21	0.03	—	132
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,343	4,343	7.83	0.95	—	4,821

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	12.1	12.1	0.02	< 0.005	—	13.4
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	47.1	47.1	0.08	0.01	—	52.3
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	7.33	7.33	0.01	< 0.005	—	8.14
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	4,157	4,157	7.50	0.91	—	4,616
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119	119	0.21	0.03	—	132
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,343	4,343	7.83	0.95	—	4,821
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2.00	2.00	< 0.005	< 0.005	—	2.22
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	7.79	7.79	0.01	< 0.005	—	8.65

Universit (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	1.21	1.21	< 0.005	< 0.005	—	1.35
Industria l Park	—	—	—	—	—	—	—	—	—	—	—	—	688	688	1.24	0.15	—	764
Govern ment Office Building	—	—	—	—	—	—	—	—	—	—	—	—	19.6	19.6	0.04	< 0.005	—	21.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	719	719	1.30	0.16	—	798

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	12.1	12.1	0.02	< 0.005	—	13.4
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	47.1	47.1	0.08	0.01	—	52.3
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	7.37	7.37	0.01	< 0.005	—	8.18

Industrial	—	—	—	—	—	—	—	—	—	—	—	—	4,163	4,163	7.51	0.91	—	4,622
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119	119	0.21	0.03	—	132
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,348	4,348	7.84	0.95	—	4,828
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	12.1	12.1	0.02	< 0.005	—	13.4
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	47.1	47.1	0.08	0.01	—	52.3
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	7.33	7.33	0.01	< 0.005	—	8.14
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	4,157	4,157	7.50	0.91	—	4,616
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	119	119	0.21	0.03	—	132
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,343	4,343	7.83	0.95	—	4,821
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	2.00	2.00	< 0.005	< 0.005	—	2.22
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	7.79	7.79	0.01	< 0.005	—	8.65
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	1.22	1.22	< 0.005	< 0.005	—	1.35
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	689	689	1.24	0.15	—	765
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	19.7	19.7	0.04	< 0.005	—	21.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	719	719	1.30	0.16	—	799

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	281	281	0.02	< 0.005	—	282
Industrial Park	3.38	1.69	30.7	25.8	0.18	2.33	—	2.33	2.33	—	2.33	—	36,657	36,657	3.24	0.07	—	36,758
Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	38,091	38,091	3.37	0.07	—	38,196
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	281	281	0.02	< 0.005	—	282
Industrial Park	3.38	1.69	30.7	25.8	0.18	2.33	—	2.33	2.33	—	2.33	—	36,657	36,657	3.24	0.07	—	36,758
Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	38,091	38,091	3.37	0.07	—	38,196
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.6	17.6	< 0.005	< 0.005	—	17.7
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.5	46.5	< 0.005	< 0.005	—	46.7
Industrial Park	0.62	0.31	5.61	4.71	0.03	0.43	—	0.43	0.43	—	0.43	—	6,069	6,069	0.54	0.01	—	6,086

Government Office Building	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	173	173	0.02	< 0.005	—	174
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.64	0.32	5.83	4.89	0.03	0.44	—	0.44	0.44	—	0.44	—	6,306	6,306	0.56	0.01	—	6,324

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	281	281	0.02	< 0.005	—	282
Industrial Park	3.38	1.69	30.7	25.8	0.18	2.33	—	2.33	2.33	—	2.33	—	36,657	36,657	3.24	0.07	—	36,758

Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	38,091	38,091	3.37	0.07	—	38,196
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	0.03	0.01	0.24	0.20	< 0.005	0.02	—	0.02	0.02	—	0.02	—	281	281	0.02	< 0.005	—	282
Industrial Park	3.38	1.69	30.7	25.8	0.18	2.33	—	2.33	2.33	—	2.33	—	36,657	36,657	3.24	0.07	—	36,758
Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Total	3.51	1.76	31.9	26.8	0.19	2.43	—	2.43	2.43	—	2.43	—	38,091	38,091	3.37	0.07	—	38,196
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.6	17.6	< 0.005	< 0.005	—	17.7
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.5	46.5	< 0.005	< 0.005	—	46.7
Industrial Park	0.62	0.31	5.61	4.71	0.03	0.43	—	0.43	0.43	—	0.43	—	6,069	6,069	0.54	0.01	—	6,086
Government Office Building	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	173	173	0.02	< 0.005	—	174
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.64	0.32	5.83	4.89	0.03	0.44	—	0.44	0.44	—	0.44	—	6,306	6,306	0.56	0.01	—	6,324

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	61.2	61.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.61	5.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	31.8	29.4	1.50	179	0.01	0.32	—	0.32	0.24	—	0.24	—	735	735	0.03	0.01	—	738
Total	98.7	96.2	1.50	179	0.01	0.32	—	0.32	0.24	—	0.24	—	735	735	0.03	0.01	—	738
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	61.2	61.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	5.61	5.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	66.9	66.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.2	11.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.02	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landscape	2.87	2.65	0.14	16.1	< 0.005	0.03	—	0.03	0.02	—	0.02	—	60.0	60.0	< 0.005	< 0.005	—	60.3
Total	15.1	14.8	0.14	16.1	< 0.005	0.03	—	0.03	0.02	—	0.02	—	60.0	60.0	< 0.005	< 0.005	—	60.3

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	61.2	61.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.06	2.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	63.3	63.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	61.2	61.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.06	2.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	63.3	63.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	11.2	11.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architect Coatings	0.38	0.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	11.6	11.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.33	4.25	0.40	0.01	—	17.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.04	0.04	< 0.005	< 0.005	—	0.05
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	1.64	0.52	2.17	0.17	< 0.005	—	7.62
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	1,756	151	1,907	180	4.31	—	7,699
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	3.67	46.7	4.42	0.11	—	189
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.33	4.25	0.40	0.01	—	17.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.04	0.04	< 0.005	< 0.005	—	0.05
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	1.64	0.52	2.17	0.17	< 0.005	—	7.62
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	1,756	151	1,907	180	4.31	—	7,699
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	3.67	46.7	4.42	0.11	—	189
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.65	0.06	0.70	0.07	< 0.005	—	2.84

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	< 0.005	< 0.005	—	0.01
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.27	0.09	0.36	0.03	< 0.005	—	1.26
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	291	25.1	316	29.9	0.71	—	1,275
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	7.13	0.61	7.74	0.73	0.02	—	31.3
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	299	25.8	325	30.7	0.73	—	1,310

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.33	4.25	0.40	0.01	—	17.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.04	0.04	< 0.005	< 0.005	—	0.05
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	1.64	0.52	2.17	0.17	< 0.005	—	7.62
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	1,756	151	1,907	180	4.31	—	7,699
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	3.67	46.7	4.42	0.11	—	189
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.33	4.25	0.40	0.01	—	17.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.04	0.04	< 0.005	< 0.005	—	0.05
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	1.64	0.52	2.17	0.17	< 0.005	—	7.62
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	1,756	151	1,907	180	4.31	—	7,699

Govern Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	3.67	46.7	4.42	0.11	—	189
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,804	156	1,960	185	4.43	—	7,913
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.65	0.06	0.70	0.07	< 0.005	—	2.84
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.01	0.01	< 0.005	< 0.005	—	0.01
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	0.27	0.09	0.36	0.03	< 0.005	—	1.26
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	291	25.1	316	29.9	0.71	—	1,275
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	7.13	0.61	7.74	0.73	0.02	—	31.3
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	299	25.8	325	30.7	0.73	—	1,310

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	39.3	0.00	39.3	3.93	0.00	—	138
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	2,648	0.00	2,648	265	0.00	—	9,264
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.94	0.00	0.94	0.09	0.00	—	3.29
Total	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	39.3	0.00	39.3	3.93	0.00	—	138
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	2,648	0.00	2,648	265	0.00	—	9,264
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.94	0.00	0.94	0.09	0.00	—	3.29
Total	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.95	0.00	0.95	0.10	0.00	—	3.34
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Universit (4yr)	—	—	—	—	—	—	—	—	—	—	—	6.51	0.00	6.51	0.65	0.00	—	22.8
Industria l Park	—	—	—	—	—	—	—	—	—	—	—	438	0.00	438	43.8	0.00	—	1,534
Govern ment Office Building	—	—	—	—	—	—	—	—	—	—	—	9.39	0.00	9.39	0.94	0.00	—	32.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.16	0.00	0.16	0.02	0.00	—	0.54
Total	—	—	—	—	—	—	—	—	—	—	—	455	0.00	455	45.5	0.00	—	1,593

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	39.3	0.00	39.3	3.93	0.00	—	138

Industrial	—	—	—	—	—	—	—	—	—	—	—	2,648	0.00	2,648	265	0.00	—	9,264
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.94	0.00	0.94	0.09	0.00	—	3.29
Total	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	39.3	0.00	39.3	3.93	0.00	—	138
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	2,648	0.00	2,648	265	0.00	—	9,264
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

City Park	—	—	—	—	—	—	—	—	—	—	—	0.94	0.00	0.94	0.09	0.00	—	3.29
Total	—	—	—	—	—	—	—	—	—	—	—	2,750	0.00	2,750	275	0.00	—	9,623
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.95	0.00	0.95	0.10	0.00	—	3.34
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	6.51	0.00	6.51	0.65	0.00	—	22.8
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	438	0.00	438	43.8	0.00	—	1,534
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	9.39	0.00	9.39	0.94	0.00	—	32.8
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.16	0.00	0.16	0.02	0.00	—	0.54
Total	—	—	—	—	—	—	—	—	—	—	—	455	0.00	455	45.5	0.00	—	1,593

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,084	1,084
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,085	1,085
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,084	1,084

Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,085	1,085
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	179	179
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	180	180

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03

Universit (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Industria l Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,084	1,084
Govern ment Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,085	1,085
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Universit y/Colleg e (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Industria l Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,084	1,084
Govern ment Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,085	1,085
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005

University/Colleg	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	179	179
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	180	180

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipm Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Croplan	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Croplan d	—	—	—	—	—	—	—	—	—	—	—	—	185	185	—	—	—	185
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	185	185	—	—	—	185

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	3,044	3,044	—	—	—	3,044
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-90.4	-90.4	—	—	—	-90.4
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,954	2,954	—	—	—	2,954
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	3,044	3,044	—	—	—	3,044
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-90.4	-90.4	—	—	—	-90.4
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,954	2,954	—	—	—	2,954

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	504	504	—	—	—	504
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-15.0	-15.0	—	—	—	-15.0
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	489	489	—	—	—	489

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	—	1,119	1,119	—	—	—	1,119
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	185	185	—	—	—	185
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	185	185	—	—	—	185

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	3,044	3,044	—	—	—	3,044
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-90.4	-90.4	—	—	—	-90.4
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,954	2,954	—	—	—	2,954
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	3,044	3,044	—	—	—	3,044
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-90.4	-90.4	—	—	—	-90.4
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	2,954	2,954	—	—	—	2,954
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Broadleaf	—	—	—	—	—	—	—	—	—	—	—	—	504	504	—	—	—	504
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-15.0	-15.0	—	—	—	-15.0
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	489	489	—	—	—	489

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
University/College (4yr)	2.00	2.00	2.00	730	85.8	85.8	85.8	31,317
Industrial Park	1,782	1,782	1,782	650,426	76,447	76,447	76,447	27,903,271
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
University/College (4yr)	2.00	2.00	2.00	730	85.8	85.8	85.8	31,317
Industrial Park	1,782	1,782	1,782	650,426	76,447	76,447	76,447	27,903,271
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	6,167,400	2,055,800	303,700

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	240,687	18.3	0.0330	0.0040	331,994
Other Non-Asphalt Surfaces	0.00	18.3	0.0330	0.0040	0.00
Parking Lot	938,701	18.3	0.0330	0.0040	0.00
University/College (4yr)	146,225	18.3	0.0330	0.0040	877,271
Industrial Park	82,922,031	18.3	0.0330	0.0040	114,379,059
Government Office Building	2,367,108	18.3	0.0330	0.0040	3,265,086
Other Asphalt Surfaces	0.00	18.3	0.0330	0.0040	0.00
City Park	0.00	18.3	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

General Office Building	240,687	18.3	0.0330	0.0040	331,994
Other Non-Asphalt Surfaces	0.00	18.3	0.0330	0.0040	0.00
Parking Lot	938,701	18.3	0.0330	0.0040	0.00
University/College (4yr)	146,225	18.3	0.0330	0.0040	877,271
Industrial Park	82,922,031	18.3	0.0330	0.0040	114,379,059
Government Office Building	2,367,108	18.3	0.0330	0.0040	3,265,086
Other Asphalt Surfaces	0.00	18.3	0.0330	0.0040	0.00
City Park	0.00	18.3	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	2,043,938	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	484,932
University/College (4yr)	856,440	4,405,419
Industrial Park	916,212,500	18,193,914
Government Office Building	22,468,410	0.00
Other Asphalt Surfaces	0.00	0.00
City Park	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	2,043,938	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	484,932
University/College (4yr)	856,440	4,405,419

Industrial Park	916,212,500	18,193,914
Government Office Building	22,468,410	0.00
Other Asphalt Surfaces	0.00	0.00
City Park	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	10.7	—
Other Non-Asphalt Surfaces	0.00	—
Parking Lot	0.00	—
University/College (4yr)	73.0	—
Industrial Park	4,913	—
Government Office Building	105	—
Other Asphalt Surfaces	0.00	—
City Park	1.75	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	10.7	—
Other Non-Asphalt Surfaces	0.00	—
Parking Lot	0.00	—
University/College (4yr)	73.0	—
Industrial Park	4,913	—
Government Office Building	105	—
Other Asphalt Surfaces	0.00	—
City Park	1.75	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Industrial Park	Cold storage	R-404A	3,922	0.38	0.07	0.07	25.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Industrial Park	Cold storage	R-404A	3,922	0.38	0.07	0.07	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
Cropland	Inceptisols	226	0.00
Urban	Inceptisols	0.00	226

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
Cropland	Inceptisols	226	0.00

Urban	Inceptisols	0.00	226

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
Broadleaf Forest	226	0.00
Grassland	0.00	34.0
Urban	0.00	192

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
Broadleaf Forest	226	0.00
Grassland	0.00	34.0
Urban	0.00	192

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	22.1	annual days of extreme heat
Extreme Precipitation	0.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	19.7	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	61.0
AQ-PM	26.8
AQ-DPM	15.7
Drinking Water	60.1

Lead Risk Housing	17.3
Pesticides	83.8
Toxic Releases	18.1
Traffic	25.4
Effect Indicators	—
CleanUp Sites	89.4
Groundwater	97.2
Haz Waste Facilities/Generators	99.4
Impaired Water Bodies	93.4
Solid Waste	93.2
Sensitive Population	—
Asthma	25.2
Cardio-vascular	50.6
Low Birth Weights	52.4
Socioeconomic Factor Indicators	—
Education	68.6
Housing	5.48
Linguistic	31.3
Poverty	21.3
Unemployment	45.8

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	76.83818812
Employed	76.27357885
Median HI	87.89939689

Education	—
Bachelor's or higher	55.29321186
High school enrollment	100
Preschool enrollment	5.222635699
Transportation	—
Auto Access	78.96830489
Active commuting	55.15205954
Social	—
2-parent households	47.76081098
Voting	78.15988708
Neighborhood	—
Alcohol availability	84.49890928
Park access	5.902733222
Retail density	2.746054151
Supermarket access	10.85589632
Tree canopy	64.58360067
Housing	—
Homeownership	65.75131528
Housing habitability	87.28345951
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	88.64365456
Uncrowded housing	49.60862312
Health Outcomes	—
Insured adults	73.18105993
Arthritis	0.0
Asthma ER Admissions	60.1
High Blood Pressure	0.0
Cancer (excluding skin)	0.0

Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	51.5
Cognitively Disabled	82.5
Physically Disabled	52.4
Heart Attack ER Admissions	58.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	75.9
English Speaking	47.9
Foreign-born	13.3
Outdoor Workers	22.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	93.9

Traffic Density	13.8
Traffic Access	0.0
Other Indices	—
Hardship	42.3
Other Decision Support	—
2016 Voting	72.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0
Healthy Places Index Score for Project Location (b)	70.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	2032 RPS
Land Use	Land uses are based on Project-specific information.

Operations: Vehicle Data	Project trip lengths and rates derived from traffic study conducted by Fehr & Peers.
Operations: Fleet Mix	Fleet mix is based on truck-specific vehicle types.
Operations: Energy Use	—
Operations: Refrigerants	Refrigerant usage for Industrial Park based on Project-specific data.
Operations: Consumer Products	Refined consumer product emission factor based on San Joaquin County-specific consumer product usage and population projections.

Pacific Gateway (Project Operation - Auto) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Pacific Gateway (Project Operation - Auto)
Operational Year	2050
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	6.60
Location	37.649944, -121.397722
County	San Joaquin
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2114
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Office Building	11.5	1000sqft	0.50	11,500	0.00	—	—	—

Government Office Building	113	1000sqft	2.60	113,100	0.00	—	—	—
Industrial Park	24,675	1000sqft	705	24,675,000	5,994,592	—	—	—
Parking Lot	6,685	1000sqft	154	0.00	34,549	—	—	—
City Park	197	Acre	197	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	15,155	1000sqft	348	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	4,959	1000sqft	114	0.00	0.00	—	—	—
Office Park	93.0	1000sqft	2.70	93,000	25,225	—	—	—
University/College (4yr)	5,000	Student	39.8	1,379,200	1,268,091	1,268,091	—	—
Apartments Mid Rise	1,600	Dwelling Unit	4.80	1,536,000	0.00	—	5,168	—
Unenclosed Parking with Elevator	874	Space	1.60	349,600	0.00	—	—	—
Hotel	120	Room	0.60	60,000	15,554	—	—	—
Gasoline/Service Station	8.00	Pump	0.60	20,000	7,402	—	—	—
Convenience Market (24 hour)	8.00	1000sqft	0.70	8,000	21,113	—	—	—
Fast Food Restaurant with Drive Thru	13.6	1000sqft	1.20	13,600	35,892	—	—	—
High Turnover (Sit Down Restaurant)	14.0	1000sqft	1.20	14,000	36,948	—	—	—
Fast Food Restaurant w/o Drive Thru	4.00	1000sqft	0.30	4,000	10,556	—	—	—
Bank (with Drive-Through)	5.00	1000sqft	0.40	5,000	13,196	—	—	—
Strip Mall	43.9	1000sqft	2.20	43,900	52,991	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	905	831	302	3,604	8.92	72.6	740	813	70.0	188	258	37,900	943,070	980,971	3,017	38.5	8,628	1,076,520
Mit.	667	609	291	2,348	8.84	70.5	740	811	68.4	188	256	37,900	938,036	975,937	3,017	38.5	8,628	1,071,468
% Reduced	26%	27%	4%	35%	1%	3%	—	< 0.5%	2%	—	1%	—	1%	1%	< 0.5%	< 0.5%	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	688	630	306	1,839	8.27	70.5	740	811	68.4	188	256	37,900	880,544	918,444	3,018	40.2	8,572	1,014,431
Mit.	666	608	306	1,839	8.27	70.5	740	811	68.4	188	256	37,900	880,544	918,444	3,018	40.2	8,572	1,014,431
% Reduced	3%	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	731	696	289	2,262	7.47	30.7	737	768	29.9	187	217	31,158	883,599	914,758	2,986	39.4	8,595	1,009,74
Mit.	602	576	284	1,642	7.43	29.7	737	767	29.1	187	216	31,158	881,117	912,275	2,986	39.4	8,595	1,007,25 1
% Reduced	18%	17%	2%	27%	< 0.5%	3%	—	< 0.5%	3%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	133	127	52.8	413	1.36	5.60	134	140	5.46	34.1	39.5	5,159	146,290	151,449	494	6.52	1,423	167,174
Mit.	110	105	51.9	300	1.36	5.41	134	140	5.31	34.1	39.4	5,159	145,879	151,038	494	6.52	1,423	166,762
% Reduced	18%	17%	2%	27%	< 0.5%	3%	—	< 0.5%	3%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	68.0	62.9	58.2	1,804	6.30	1.58	740	742	1.47	188	189	—	637,328	637,328	5.74	10.7	56.9	640,725
Area	814	756	29.8	1,623	1.34	54.7	—	54.7	52.3	—	52.3	8,695	21,879	30,574	41.2	0.07	—	31,626
Energy	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Water	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Waste	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	28,592	28,592	—	—	—	28,592
Total	905	831	302	3,604	8.92	72.6	740	813	70.0	188	258	37,900	943,070	980,971	3,017	38.5	8,628	1,076,52 0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	66.8	61.7	73.3	1,295	5.73	1.58	740	742	1.47	188	189	—	579,836	579,836	6.42	12.4	1.48	583,688

Area	598	557	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Energy	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Water	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Waste	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	28,592	28,592	—	—	—	28,592
Total	688	630	306	1,839	8.27	70.5	740	811	68.4	188	256	37,900	880,544	918,444	3,018	40.2	8,572	1,014,431
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	66.2	61.1	66.3	1,383	5.86	1.58	737	738	1.47	187	188	—	593,469	593,469	6.07	11.6	24.6	597,112
Area	641	623	9.55	702	0.32	12.9	—	12.9	12.2	—	12.2	1,953	6,267	8,220	9.31	0.03	—	8,461
Energy	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Water	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Waste	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	28,592	28,592	—	—	—	28,592
Total	731	696	289	2,262	7.47	30.7	737	768	29.9	187	217	31,158	883,599	914,758	2,986	39.4	8,595	1,009,743
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.1	11.2	12.1	252	1.07	0.29	134	135	0.27	34.1	34.4	—	98,256	98,256	1.00	1.93	4.07	98,859
Area	117	114	1.74	128	0.06	2.35	—	2.35	2.22	—	2.22	323	1,038	1,361	1.54	< 0.005	—	1,401
Energy	4.29	2.15	39.0	32.3	0.23	2.97	—	2.97	2.97	—	2.97	—	42,263	42,263	3.74	0.08	—	42,380
Water	—	—	—	—	—	—	—	—	—	—	—	1,853	0.00	1,853	190	4.51	—	7,947
Waste	—	—	—	—	—	—	—	—	—	—	—	2,983	0.00	2,983	298	0.00	—	10,435
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,419	1,419
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,734	4,734	—	—	—	4,734
Total	133	127	52.8	413	1.36	5.60	134	140	5.46	34.1	39.5	5,159	146,290	151,449	494	6.52	1,423	167,174

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	68.0	62.9	58.2	1,804	6.30	1.58	740	742	1.47	188	189	—	637,328	637,328	5.74	10.7	56.9	640,725
Area	576	534	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Energy	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Water	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Waste	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	28,592	28,592	—	—	—	28,592
Total	667	609	291	2,348	8.84	70.5	740	811	68.4	188	256	37,900	938,036	975,937	3,017	38.5	8,628	1,071,468
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	66.8	61.7	73.3	1,295	5.73	1.58	740	742	1.47	188	189	—	579,836	579,836	6.42	12.4	1.48	583,688
Area	576	534	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Energy	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Water	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Waste	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	28,592	28,592	—	—	—	28,592
Total	666	608	306	1,839	8.27	70.5	740	811	68.4	188	256	37,900	880,544	918,444	3,018	40.2	8,572	1,014,431
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	66.2	61.1	66.3	1,383	5.86	1.58	737	738	1.47	187	188	—	593,469	593,469	6.07	11.6	24.6	597,112
Area	512	503	4.30	82.4	0.28	11.8	—	11.8	11.4	—	11.4	1,953	3,784	5,738	9.20	0.01	—	5,970
Energy	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Water	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Waste	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	28,592	28,592	—	—	—	28,592
Total	602	576	284	1,642	7.43	29.7	737	767	29.1	187	216	31,158	881,117	912,275	2,986	39.4	8,595	1,007,251
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.1	11.2	12.1	252	1.07	0.29	134	135	0.27	34.1	34.4	—	98,256	98,256	1.00	1.93	4.07	98,859
Area	93.5	91.8	0.79	15.0	0.05	2.16	—	2.16	2.08	—	2.08	323	627	950	1.52	< 0.005	—	988
Energy	4.29	2.15	39.0	32.3	0.23	2.97	—	2.97	2.97	—	2.97	—	42,263	42,263	3.74	0.08	—	42,380
Water	—	—	—	—	—	—	—	—	—	—	—	1,853	0.00	1,853	190	4.51	—	7,947
Waste	—	—	—	—	—	—	—	—	—	—	—	2,983	0.00	2,983	298	0.00	—	10,435
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,419	1,419
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,734	4,734	—	—	—	4,734
Total	110	105	51.9	300	1.36	5.41	134	140	5.31	34.1	39.4	5,159	145,879	151,038	494	6.52	1,423	166,762

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.42	0.40	0.28	7.55	0.03	0.01	2.93	2.94	0.01	0.74	0.75	—	2,540	2,540	0.03	0.05	0.23	2,556
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	40.2	36.5	41.2	1,357	4.83	1.20	570	571	1.11	144	145	—	489,192	489,192	3.77	7.69	43.8	491,621
Parking Lot	0.09	0.08	0.03	0.25	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.2	19.2	< 0.005	< 0.005	< 0.005	20.5
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	1.52	1.39	1.51	49.3	0.18	0.04	20.6	20.7	0.04	5.23	5.27	—	17,738	17,738	0.14	0.28	1.59	17,828
University/College (4yr)	9.65	9.05	7.05	204	0.70	0.18	81.5	81.6	0.16	20.6	20.8	—	70,397	70,397	0.75	1.28	6.27	70,804
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	1.16	1.11	0.58	13.3	0.04	0.01	4.65	4.66	0.01	1.18	1.19	—	4,085	4,085	0.07	0.10	0.36	4,117

Gasolin Station	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Conveni ence Market (24 hour)	3.33	3.20	1.68	38.1	0.12	0.03	13.4	13.4	0.03	3.39	3.42	—	11,752	11,752	0.22	0.29	1.03	11,846
Fast Food Restaura nt with Drive Thru	7.66	7.36	3.86	87.6	0.27	0.07	30.7	30.8	0.07	7.78	7.85	—	27,001	27,001	0.50	0.67	2.36	27,216
High Turnover (Sit Down Restaura nt)	1.03	0.99	0.52	11.8	0.04	0.01	4.15	4.16	0.01	1.05	1.06	—	3,645	3,645	0.07	0.09	0.32	3,674
Fast Food Restaura nt w/o Drive Thru	0.47	0.45	0.24	5.38	0.02	< 0.005	1.89	1.89	< 0.005	0.48	0.48	—	1,657	1,657	0.03	0.04	0.15	1,671
Bank (with Drive-Through)	0.61	0.58	0.31	6.93	0.02	0.01	2.43	2.44	0.01	0.62	0.62	—	2,137	2,137	0.04	0.05	0.19	2,154
Strip Mall	1.86	1.78	0.97	22.8	0.07	0.02	8.17	8.19	0.02	2.07	2.09	—	7,164	7,164	0.12	0.17	0.63	7,218
Total	68.0	62.9	58.2	1,804	6.30	1.58	740	742	1.47	188	189	—	637,328	637,328	5.74	10.7	56.9	640,725
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.42	0.39	0.35	5.73	0.02	0.01	2.93	2.94	0.01	0.74	0.75	—	2,313	2,313	0.04	0.06	0.01	2,331
Govern ment Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Industrial Park	39.3	35.7	52.0	950	4.39	1.20	570	571	1.11	144	145	—	444,911	444,911	4.08	8.89	1.14	447,664
Parking Lot	0.09	0.08	0.03	0.35	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.5	18.5	0.01	< 0.005	< 0.005	20.1
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	1.49	1.36	1.91	34.7	0.16	0.04	20.6	20.7	0.04	5.23	5.27	—	16,134	16,134	0.15	0.33	0.04	16,235
University/College (4yr)	9.51	8.89	8.84	151	0.63	0.18	81.5	81.6	0.16	20.6	20.8	—	64,074	64,074	0.86	1.48	0.16	64,535
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	1.15	1.10	0.72	11.0	0.04	0.01	4.65	4.66	0.01	1.18	1.19	—	3,726	3,726	0.09	0.12	0.01	3,763
Gasoline/Service Station	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Convenience Market (24 hour)	3.31	3.16	2.08	31.5	0.11	0.03	13.4	13.4	0.03	3.39	3.42	—	10,718	10,718	0.27	0.33	0.03	10,825

Fast Food Restaurant with Drive Thru	7.60	7.25	4.78	72.5	0.24	0.07	30.7	30.8	0.07	7.78	7.85	—	24,626	24,626	0.61	0.77	0.06	24,870
High Turnover (Sit Down Restaurant)	1.02	0.98	0.65	9.78	0.03	0.01	4.15	4.16	0.01	1.05	1.06	—	3,324	3,324	0.08	0.10	0.01	3,357
Fast Food Restaurant w/o Drive Thru	0.47	0.44	0.29	4.45	0.01	< 0.005	1.89	1.89	< 0.005	0.48	0.48	—	1,512	1,512	0.04	0.05	< 0.005	1,527
Bank (with Drive-Through)	0.60	0.57	0.38	5.74	0.02	0.01	2.43	2.44	0.01	0.62	0.62	—	1,949	1,949	0.05	0.06	< 0.005	1,968
Strip Mall	1.84	1.75	1.21	18.6	0.06	0.02	8.17	8.19	0.02	2.07	2.09	—	6,532	6,532	0.15	0.19	0.02	6,593
Total	66.8	61.7	73.3	1,295	5.73	1.58	740	742	1.47	188	189	—	579,836	579,836	6.42	12.4	1.48	583,688
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.08	0.07	0.06	1.09	< 0.005	< 0.005	0.53	0.53	< 0.005	0.13	0.14	—	392	392	0.01	0.01	0.02	395
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	7.12	6.47	8.58	187	0.82	0.22	104	104	0.20	26.2	26.4	—	75,400	75,400	0.65	1.38	3.13	75,831
Parking Lot	0.02	0.02	0.01	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.09	3.09	< 0.005	< 0.005	< 0.005	3.32
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	0.27	0.25	0.32	6.82	0.03	0.01	3.75	3.76	0.01	0.95	0.96	—	2,734	2,734	0.02	0.05	0.11	2,750
University/College (4yr)	1.72	1.61	1.46	29.1	0.12	0.03	14.8	14.8	0.03	3.75	3.78	—	10,856	10,856	0.13	0.23	0.45	10,928
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	0.21	0.20	0.12	2.02	0.01	< 0.005	0.84	0.85	< 0.005	0.21	0.22	—	631	631	0.01	0.02	0.03	637
Gasoline/Service Station	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Convenience Market (24 hour)	0.59	0.57	0.34	5.80	0.02	0.01	2.43	2.44	0.01	0.62	0.62	—	1,815	1,815	0.04	0.05	0.07	1,831
Fast Food Restaurant with Drive Thru	1.37	1.31	0.79	13.3	0.05	0.01	5.58	5.59	0.01	1.41	1.43	—	4,170	4,170	0.09	0.12	0.17	4,208

High Turnover (Sit Down Restaurant)	0.18	0.18	0.11	1.80	0.01	< 0.005	0.75	0.76	< 0.005	0.19	0.19	—	563	563	0.01	0.02	0.02	568
Fast Food Restaurant w/o Drive Thru	0.08	0.08	0.05	0.82	< 0.005	< 0.005	0.34	0.34	< 0.005	0.09	0.09	—	256	256	0.01	0.01	0.01	258
Bank (with Drive-Through)	0.11	0.10	0.06	1.05	< 0.005	< 0.005	0.44	0.44	< 0.005	0.11	0.11	—	330	330	0.01	0.01	0.01	333
Strip Mall	0.33	0.32	0.20	3.44	0.01	< 0.005	1.49	1.49	< 0.005	0.38	0.38	—	1,106	1,106	0.02	0.03	0.04	1,116
Total	12.1	11.2	12.1	252	1.07	0.29	134	135	0.27	34.1	34.4	—	98,256	98,256	1.00	1.93	4.07	98,859

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.42	0.40	0.28	7.55	0.03	0.01	2.93	2.94	0.01	0.74	0.75	—	2,540	2,540	0.03	0.05	0.23	2,556
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	40.2	36.5	41.2	1,357	4.83	1.20	570	571	1.11	144	145	—	489,192	489,192	3.77	7.69	43.8	491,621
Parking Lot	0.09	0.08	0.03	0.25	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	19.2	19.2	< 0.005	< 0.005	< 0.005	20.5

City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	1.52	1.39	1.51	49.3	0.18	0.04	20.6	20.7	0.04	5.23	5.27	—	17,738	17,738	0.14	0.28	1.59	17,828
University/College (4yr)	9.65	9.05	7.05	204	0.70	0.18	81.5	81.6	0.16	20.6	20.8	—	70,397	70,397	0.75	1.28	6.27	70,804
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	1.16	1.11	0.58	13.3	0.04	0.01	4.65	4.66	0.01	1.18	1.19	—	4,085	4,085	0.07	0.10	0.36	4,117
Gasoline/Service Station	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Convenience Market (24 hour)	3.33	3.20	1.68	38.1	0.12	0.03	13.4	13.4	0.03	3.39	3.42	—	11,752	11,752	0.22	0.29	1.03	11,846
Fast Food Restaurant with Drive Thru	7.66	7.36	3.86	87.6	0.27	0.07	30.7	30.8	0.07	7.78	7.85	—	27,001	27,001	0.50	0.67	2.36	27,216

High Turnover (Sit Down Restaurant)	1.03	0.99	0.52	11.8	0.04	0.01	4.15	4.16	0.01	1.05	1.06	—	3,645	3,645	0.07	0.09	0.32	3,674
Fast Food Restaurant w/o Drive Thru	0.47	0.45	0.24	5.38	0.02	< 0.005	1.89	1.89	< 0.005	0.48	0.48	—	1,657	1,657	0.03	0.04	0.15	1,671
Bank (with Drive-Through)	0.61	0.58	0.31	6.93	0.02	0.01	2.43	2.44	0.01	0.62	0.62	—	2,137	2,137	0.04	0.05	0.19	2,154
Strip Mall	1.86	1.78	0.97	22.8	0.07	0.02	8.17	8.19	0.02	2.07	2.09	—	7,164	7,164	0.12	0.17	0.63	7,218
Total	68.0	62.9	58.2	1,804	6.30	1.58	740	742	1.47	188	189	—	637,328	637,328	5.74	10.7	56.9	640,725
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.42	0.39	0.35	5.73	0.02	0.01	2.93	2.94	0.01	0.74	0.75	—	2,313	2,313	0.04	0.06	0.01	2,331
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	39.3	35.7	52.0	950	4.39	1.20	570	571	1.11	144	145	—	444,911	444,911	4.08	8.89	1.14	447,664
Parking Lot	0.09	0.08	0.03	0.35	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.5	18.5	0.01	< 0.005	< 0.005	20.1
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	1.49	1.36	1.91	34.7	0.16	0.04	20.6	20.7	0.04	5.23	5.27	—	16,134	16,134	0.15	0.33	0.04	16,235
University/College (4yr)	9.51	8.89	8.84	151	0.63	0.18	81.5	81.6	0.16	20.6	20.8	—	64,074	64,074	0.86	1.48	0.16	64,535
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	1.15	1.10	0.72	11.0	0.04	0.01	4.65	4.66	0.01	1.18	1.19	—	3,726	3,726	0.09	0.12	0.01	3,763
Gasoline/Service Station	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Convenience Market (24 hour)	3.31	3.16	2.08	31.5	0.11	0.03	13.4	13.4	0.03	3.39	3.42	—	10,718	10,718	0.27	0.33	0.03	10,825
Fast Food Restaurant with Drive Thru	7.60	7.25	4.78	72.5	0.24	0.07	30.7	30.8	0.07	7.78	7.85	—	24,626	24,626	0.61	0.77	0.06	24,870
High Turnover (Sit Down Restaurant)	1.02	0.98	0.65	9.78	0.03	0.01	4.15	4.16	0.01	1.05	1.06	—	3,324	3,324	0.08	0.10	0.01	3,357

Fast Food Restaurant w/o Drive Thru	0.47	0.44	0.29	4.45	0.01	< 0.005	1.89	1.89	< 0.005	0.48	0.48	—	1,512	1,512	0.04	0.05	< 0.005	1,527
Bank (with Drive-Through)	0.60	0.57	0.38	5.74	0.02	0.01	2.43	2.44	0.01	0.62	0.62	—	1,949	1,949	0.05	0.06	< 0.005	1,968
Strip Mall	1.84	1.75	1.21	18.6	0.06	0.02	8.17	8.19	0.02	2.07	2.09	—	6,532	6,532	0.15	0.19	0.02	6,593
Total	66.8	61.7	73.3	1,295	5.73	1.58	740	742	1.47	188	189	—	579,836	579,836	6.42	12.4	1.48	583,688
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.08	0.07	0.06	1.09	< 0.005	< 0.005	0.53	0.53	< 0.005	0.13	0.14	—	392	392	0.01	0.01	0.02	395
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	7.12	6.47	8.58	187	0.82	0.22	104	104	0.20	26.2	26.4	—	75,400	75,400	0.65	1.38	3.13	75,831
Parking Lot	0.02	0.02	0.01	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.09	3.09	< 0.005	< 0.005	< 0.005	3.32
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	0.27	0.25	0.32	6.82	0.03	0.01	3.75	3.76	0.01	0.95	0.96	—	2,734	2,734	0.02	0.05	0.11	2,750

University/College	1.72	1.61	1.46	29.1	0.12	0.03	14.8	14.8	0.03	3.75	3.78	—	10,856	10,856	0.13	0.23	0.45	10,928
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	0.21	0.20	0.12	2.02	0.01	< 0.005	0.84	0.85	< 0.005	0.21	0.22	—	631	631	0.01	0.02	0.03	637
Gasoline/Service Station	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Convenience Market (24 hour)	0.59	0.57	0.34	5.80	0.02	0.01	2.43	2.44	0.01	0.62	0.62	—	1,815	1,815	0.04	0.05	0.07	1,831
Fast Food Restaurant with Drive Thru	1.37	1.31	0.79	13.3	0.05	0.01	5.58	5.59	0.01	1.41	1.43	—	4,170	4,170	0.09	0.12	0.17	4,208
High Turnover (Sit Down Restaurant)	0.18	0.18	0.11	1.80	0.01	< 0.005	0.75	0.76	< 0.005	0.19	0.19	—	563	563	0.01	0.02	0.02	568
Fast Food Restaurant w/o Drive Thru	0.08	0.08	0.05	0.82	< 0.005	< 0.005	0.34	0.34	< 0.005	0.09	0.09	—	256	256	0.01	0.01	0.01	258
Bank (with Drive-Through)	0.11	0.10	0.06	1.05	< 0.005	< 0.005	0.44	0.44	< 0.005	0.11	0.11	—	330	330	0.01	0.01	0.01	333

Strip Mall	0.33	0.32	0.20	3.44	0.01	< 0.005	1.49	1.49	< 0.005	0.38	0.38	—	1,106	1,106	0.02	0.03	0.04	1,116
Total	12.1	11.2	12.1	252	1.07	0.29	134	135	0.27	34.1	34.4	—	98,256	98,256	1.00	1.93	4.07	98,859

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Universit (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Gasolin Station	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Conveni ence Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaura nt with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaura nt)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaura nt w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Govern ment Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Industria Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049
Industrial Park	21.0	10.5	191	161	1.15	14.5	—	14.5	14.5	—	14.5	—	228,295	228,295	20.2	0.43	—	228,929
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	0.08	0.04	0.72	0.61	< 0.005	0.05	—	0.05	0.05	—	0.05	—	860	860	0.08	< 0.005	—	863
University/College (4yr)	1.43	0.71	13.0	10.9	0.08	0.99	—	0.99	0.99	—	0.99	—	15,511	15,511	1.37	0.03	—	15,554
Apartments Mid Rise	0.65	0.33	5.57	2.37	0.04	0.45	—	0.45	0.45	—	0.45	—	7,072	7,072	0.63	0.01	—	7,092
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.52	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	615	615	0.05	< 0.005	—	616
Gasoline/Service Station	0.02	0.01	0.22	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	266	266	0.02	< 0.005	—	266
Convenience Market (24 hour)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.5	77.5	0.01	< 0.005	—	77.7
Fast Food Restaurant with Drive Thru	0.05	0.02	0.45	0.37	< 0.005	0.03	—	0.03	0.03	—	0.03	—	531	531	0.05	< 0.005	—	533

High Turnover (Sit Down Restaurant)	0.05	0.03	0.46	0.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	547	547	0.05	< 0.005	—	548
Fast Food Restaurant w/o Drive Thru	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	156	156	0.01	< 0.005	—	157
Bank (with Drive-Through)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	66.4	66.4	0.01	< 0.005	—	66.6
Strip Mall	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	121	121	0.01	< 0.005	—	122
Total	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049
Industrial Park	21.0	10.5	191	161	1.15	14.5	—	14.5	14.5	—	14.5	—	228,295	228,295	20.2	0.43	—	228,929
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	0.08	0.04	0.72	0.61	< 0.005	0.05	—	0.05	0.05	—	0.05	—	860	860	0.08	< 0.005	—	863
University/College (4yr)	1.43	0.71	13.0	10.9	0.08	0.99	—	0.99	0.99	—	0.99	—	15,511	15,511	1.37	0.03	—	15,554
Apartments Mid Rise	0.65	0.33	5.57	2.37	0.04	0.45	—	0.45	0.45	—	0.45	—	7,072	7,072	0.63	0.01	—	7,092
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.52	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	615	615	0.05	< 0.005	—	616
Gasoline/Service Station	0.02	0.01	0.22	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	266	266	0.02	< 0.005	—	266
Convenience Market (24 hour)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.5	77.5	0.01	< 0.005	—	77.7
Fast Food Restaurant with Drive Thru	0.05	0.02	0.45	0.37	< 0.005	0.03	—	0.03	0.03	—	0.03	—	531	531	0.05	< 0.005	—	533
High Turnover (Sit Down Restaurant)	0.05	0.03	0.46	0.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	547	547	0.05	< 0.005	—	548

Fast Food Restaurant w/o Drive Thru	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	156	156	0.01	< 0.005	—	157
Bank (with Drive-Through)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	66.4	66.4	0.01	< 0.005	—	66.6
Strip Mall	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	121	121	0.01	< 0.005	—	122
Total	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.6	17.6	< 0.005	< 0.005	—	17.7
Government Office Building	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	173	173	0.02	< 0.005	—	174
Industrial Park	3.84	1.92	34.9	29.3	0.21	2.65	—	2.65	2.65	—	2.65	—	37,797	37,797	3.35	0.07	—	37,902
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	142	142	0.01	< 0.005	—	143

University/College	0.26	0.13	2.37	1.99	0.01	0.18	—	0.18	0.18	—	0.18	—	2,568	2,568	0.23	< 0.005	—	2,575
Apartments Mid Rise	0.12	0.06	1.02	0.43	0.01	0.08	—	0.08	0.08	—	0.08	—	1,171	1,171	0.10	< 0.005	—	1,174
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.01	0.01	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Gasoline/Service Station	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	44.0	44.0	< 0.005	< 0.005	—	44.1
Convenience Market (24 hour)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.9
Fast Food Restaurant with Drive Thru	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.9	87.9	0.01	< 0.005	—	88.2
High Turnover (Sit Down Restaurant)	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	90.5	90.5	0.01	< 0.005	—	90.8
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.9	25.9	< 0.005	< 0.005	—	25.9
Bank (with Drive-Through)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.0

Strip Mall	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.1	20.1	< 0.005	< 0.005	—	20.1
Total	4.29	2.15	39.0	32.3	0.23	2.97	—	2.97	2.97	—	2.97	—	42,263	42,263	3.74	0.08	—	42,380

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049
Industrial Park	21.0	10.5	191	161	1.15	14.5	—	14.5	14.5	—	14.5	—	228,295	228,295	20.2	0.43	—	228,929
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	0.08	0.04	0.72	0.61	< 0.005	0.05	—	0.05	0.05	—	0.05	—	860	860	0.08	< 0.005	—	863

University/College (4yr)	1.43	0.71	13.0	10.9	0.08	0.99	—	0.99	0.99	—	0.99	—	15,511	15,511	1.37	0.03	—	15,554
Apartments Mid Rise	0.65	0.33	5.57	2.37	0.04	0.45	—	0.45	0.45	—	0.45	—	7,072	7,072	0.63	0.01	—	7,092
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.52	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	615	615	0.05	< 0.005	—	616
Gasoline/Service Station	0.02	0.01	0.22	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	266	266	0.02	< 0.005	—	266
Convenience Market (24 hour)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.5	77.5	0.01	< 0.005	—	77.7
Fast Food Restaurant with Drive Thru	0.05	0.02	0.45	0.37	< 0.005	0.03	—	0.03	0.03	—	0.03	—	531	531	0.05	< 0.005	—	533
High Turnover (Sit Down Restaurant)	0.05	0.03	0.46	0.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	547	547	0.05	< 0.005	—	548
Fast Food Restaurant w/o Drive Thru	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	156	156	0.01	< 0.005	—	157
Bank (with Drive-Through)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	66.4	66.4	0.01	< 0.005	—	66.6

Strip Mall	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	121	121	0.01	< 0.005	—	122
Total	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049
Industrial Park	21.0	10.5	191	161	1.15	14.5	—	14.5	14.5	—	14.5	—	228,295	228,295	20.2	0.43	—	228,929
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	0.08	0.04	0.72	0.61	< 0.005	0.05	—	0.05	0.05	—	0.05	—	860	860	0.08	< 0.005	—	863
University/College (4yr)	1.43	0.71	13.0	10.9	0.08	0.99	—	0.99	0.99	—	0.99	—	15,511	15,511	1.37	0.03	—	15,554
Apartments Mid Rise	0.65	0.33	5.57	2.37	0.04	0.45	—	0.45	0.45	—	0.45	—	7,072	7,072	0.63	0.01	—	7,092

Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.52	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	615	615	0.05	< 0.005	—	616
Gasoline/Service Station	0.02	0.01	0.22	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	266	266	0.02	< 0.005	—	266
Convenience Market (24 hour)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.5	77.5	0.01	< 0.005	—	77.7
Fast Food Restaurant with Drive Thru	0.05	0.02	0.45	0.37	< 0.005	0.03	—	0.03	0.03	—	0.03	—	531	531	0.05	< 0.005	—	533
High Turnover (Sit Down Restaurant)	0.05	0.03	0.46	0.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	547	547	0.05	< 0.005	—	548
Fast Food Restaurant w/o Drive Thru	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	156	156	0.01	< 0.005	—	157
Bank (with Drive-Through)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	66.4	66.4	0.01	< 0.005	—	66.6
Strip Mall	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	121	121	0.01	< 0.005	—	122
Total	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.6	17.6	< 0.005	< 0.005	—	17.7
Government Office Building	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	173	173	0.02	< 0.005	—	174
Industrial Park	3.84	1.92	34.9	29.3	0.21	2.65	—	2.65	2.65	—	2.65	—	37,797	37,797	3.35	0.07	—	37,902
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	142	142	0.01	< 0.005	—	143
University/College (4yr)	0.26	0.13	2.37	1.99	0.01	0.18	—	0.18	0.18	—	0.18	—	2,568	2,568	0.23	< 0.005	—	2,575
Apartments Mid Rise	0.12	0.06	1.02	0.43	0.01	0.08	—	0.08	0.08	—	0.08	—	1,171	1,171	0.10	< 0.005	—	1,174
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.01	0.01	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102

Gasoline/Service Station	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	44.0	44.0	< 0.005	< 0.005	—	44.1
Convenience Market (24 hour)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.9
Fast Food Restaurant with Drive Thru	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.9	87.9	0.01	< 0.005	—	88.2
High Turnover (Sit Down Restaurant)	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	90.5	90.5	0.01	< 0.005	—	90.8
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.9	25.9	< 0.005	< 0.005	—	25.9
Bank (with Drive-Through)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.0
Strip Mall	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.1	20.1	< 0.005	< 0.005	—	20.1
Total	4.29	2.15	39.0	32.3	0.23	2.97	—	2.97	2.97	—	2.97	—	42,263	42,263	3.74	0.08	—	42,380

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	82.0	40.5	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Consumer Products	478	478	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	38.3	38.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	216	199	10.6	1,256	0.07	2.11	—	2.11	1.60	—	1.60	—	5,034	5,034	0.21	0.04	—	5,052
Total	814	756	29.8	1,623	1.34	54.7	—	54.7	52.3	—	52.3	8,695	21,879	30,574	41.2	0.07	—	31,626
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	82.0	40.5	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Consumer Products	478	478	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	38.3	38.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	598	557	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	3.36	1.66	0.79	15.0	0.05	2.16	—	2.16	2.08	—	2.08	323	627	950	1.52	< 0.005	—	988
Consumer Products	87.2	87.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	6.98	6.98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	19.4	17.9	0.96	113	0.01	0.19	—	0.19	0.14	—	0.14	—	411	411	0.02	< 0.005	—	412
Total	117	114	1.74	128	0.06	2.35	—	2.35	2.22	—	2.22	323	1,038	1,361	1.54	< 0.005	—	1,401

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	82.0	40.5	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Consumer Products	478	478	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.1	16.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	576	534	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	82.0	40.5	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Consumer Products	478	478	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.1	16.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	576	534	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	3.36	1.66	0.79	15.0	0.05	2.16	—	2.16	2.08	—	2.08	323	627	950	1.52	< 0.005	—	988
Consumer Products	87.2	87.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.94	2.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	93.5	91.8	0.79	15.0	0.05	2.16	—	2.16	2.08	—	2.08	323	627	950	1.52	< 0.005	—	988

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.00	3.92	0.40	0.01	—	16.8
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	0.00	43.1	4.41	0.10	—	185
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	10,934	0.00	10,934	1,121	26.6	—	46,902
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	31.7	0.00	31.7	3.25	0.08	—	136
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	20.5	0.00	20.5	2.10	0.05	—	88.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	125	0.00	125	12.8	0.30	—	535
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.83	0.00	5.83	0.60	0.01	—	25.0
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.20	0.00	0.20	0.02	< 0.005	—	0.87
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.14	0.00	1.14	0.12	< 0.005	—	4.87
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	7.91	0.00	7.91	0.81	0.02	—	33.9

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	8.14	0.00	8.14	0.83	0.02	—	34.9
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.33	0.00	2.33	0.24	0.01	—	9.98
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.38	0.00	0.38	0.04	< 0.005	—	1.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	6.23	0.00	6.23	0.64	0.02	—	26.7
Total	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.00	3.92	0.40	0.01	—	16.8
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	0.00	43.1	4.41	0.10	—	185
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	10,934	0.00	10,934	1,121	26.6	—	46,902
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	31.7	0.00	31.7	3.25	0.08	—	136
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	20.5	0.00	20.5	2.10	0.05	—	88.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	125	0.00	125	12.8	0.30	—	535
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.83	0.00	5.83	0.60	0.01	—	25.0
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.20	0.00	0.20	0.02	< 0.005	—	0.87
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.14	0.00	1.14	0.12	< 0.005	—	4.87
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	7.91	0.00	7.91	0.81	0.02	—	33.9
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	8.14	0.00	8.14	0.83	0.02	—	34.9

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.33	0.00	2.33	0.24	0.01	—	9.98
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.38	0.00	0.38	0.04	< 0.005	—	1.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	6.23	0.00	6.23	0.64	0.02	—	26.7
Total	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.65	0.00	0.65	0.07	< 0.005	—	2.78
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	7.13	0.00	7.13	0.73	0.02	—	30.6
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	1,810	0.00	1,810	186	4.41	—	7,765
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	5.24	0.00	5.24	0.54	0.01	—	22.5

University/College	—	—	—	—	—	—	—	—	—	—	—	3.40	0.00	3.40	0.35	0.01	—	14.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	20.6	0.00	20.6	2.12	0.05	—	88.6
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.97	0.00	0.97	0.10	< 0.005	—	4.14
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.03	0.00	0.03	< 0.005	< 0.005	—	0.14
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.19	0.00	0.19	0.02	< 0.005	—	0.81
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.31	0.00	1.31	0.13	< 0.005	—	5.62
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.35	0.00	1.35	0.14	< 0.005	—	5.78
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	< 0.005	—	1.65
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	< 0.005	—	0.27

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.03	0.00	1.03	0.11	< 0.005	—	4.43
Total	—	—	—	—	—	—	—	—	—	—	—	1,853	0.00	1,853	190	4.51	—	7,947

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.00	3.92	0.40	0.01	—	16.8
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	0.00	43.1	4.41	0.10	—	185
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	10,934	0.00	10,934	1,121	26.6	—	46,902
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	31.7	0.00	31.7	3.25	0.08	—	136

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	20.5	0.00	20.5	2.10	0.05	—	88.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	125	0.00	125	12.8	0.30	—	535
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.83	0.00	5.83	0.60	0.01	—	25.0
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.20	0.00	0.20	0.02	< 0.005	—	0.87
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.14	0.00	1.14	0.12	< 0.005	—	4.87
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	7.91	0.00	7.91	0.81	0.02	—	33.9
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	8.14	0.00	8.14	0.83	0.02	—	34.9
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.33	0.00	2.33	0.24	0.01	—	9.98
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.38	0.00	0.38	0.04	< 0.005	—	1.63

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	6.23	0.00	6.23	0.64	0.02	—	26.7
Total	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.00	3.92	0.40	0.01	—	16.8
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	0.00	43.1	4.41	0.10	—	185
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	10,934	0.00	10,934	1,121	26.6	—	46,902
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	31.7	0.00	31.7	3.25	0.08	—	136
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	20.5	0.00	20.5	2.10	0.05	—	88.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	125	0.00	125	12.8	0.30	—	535

Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.83	0.00	5.83	0.60	0.01	—	25.0
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.20	0.00	0.20	0.02	< 0.005	—	0.87
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.14	0.00	1.14	0.12	< 0.005	—	4.87
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	7.91	0.00	7.91	0.81	0.02	—	33.9
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	8.14	0.00	8.14	0.83	0.02	—	34.9
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.33	0.00	2.33	0.24	0.01	—	9.98
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.38	0.00	0.38	0.04	< 0.005	—	1.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	6.23	0.00	6.23	0.64	0.02	—	26.7
Total	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.65	0.00	0.65	0.07	< 0.005	—	2.78
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	7.13	0.00	7.13	0.73	0.02	—	30.6
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	1,810	0.00	1,810	186	4.41	—	7,765
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	5.24	0.00	5.24	0.54	0.01	—	22.5
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	3.40	0.00	3.40	0.35	0.01	—	14.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	20.6	0.00	20.6	2.12	0.05	—	88.6
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.97	0.00	0.97	0.10	< 0.005	—	4.14

Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.03	0.00	0.03	< 0.005	< 0.005	—	0.14
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.19	0.00	0.19	0.02	< 0.005	—	0.81
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.31	0.00	1.31	0.13	< 0.005	—	5.62
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.35	0.00	1.35	0.14	< 0.005	—	5.78
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	< 0.005	—	1.65
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	< 0.005	—	0.27
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.03	0.00	1.03	0.11	< 0.005	—	4.43
Total	—	—	—	—	—	—	—	—	—	—	—	1,853	0.00	1,853	190	4.51	—	7,947

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	16,490	0.00	16,490	1,648	0.00	—	57,693
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	9.11	0.00	9.11	0.91	0.00	—	31.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	46.6	0.00	46.6	4.66	0.00	—	163
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	492	0.00	492	49.2	0.00	—	1,721
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	638	0.00	638	63.7	0.00	—	2,231
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	35.4	0.00	35.4	3.54	0.00	—	124

Gasolin Station	—	—	—	—	—	—	—	—	—	—	—	2.32	0.00	2.32	0.23	0.00	—	8.13
Conveni ence Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	13.0	0.00	13.0	1.30	0.00	—	45.3
Fast Food Restaura nt with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	84.4	0.00	84.4	8.44	0.00	—	295
High Turnover (Sit Down Restaura nt)	—	—	—	—	—	—	—	—	—	—	—	89.8	0.00	89.8	8.97	0.00	—	314
Fast Food Restaura nt w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	2.51	0.00	2.51	0.25	0.00	—	8.80
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Total	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Govern ment Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198

Industria Park	—	—	—	—	—	—	—	—	—	—	—	16,490	0.00	16,490	1,648	0.00	—	57,693
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	9.11	0.00	9.11	0.91	0.00	—	31.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	46.6	0.00	46.6	4.66	0.00	—	163
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	492	0.00	492	49.2	0.00	—	1,721
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	638	0.00	638	63.7	0.00	—	2,231
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	35.4	0.00	35.4	3.54	0.00	—	124
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	2.32	0.00	2.32	0.23	0.00	—	8.13
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	13.0	0.00	13.0	1.30	0.00	—	45.3

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	84.4	0.00	84.4	8.44	0.00	—	295
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	89.8	0.00	89.8	8.97	0.00	—	314
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	2.51	0.00	2.51	0.25	0.00	—	8.80
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Total	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.95	0.00	0.95	0.10	0.00	—	3.34
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	9.39	0.00	9.39	0.94	0.00	—	32.8
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	2,730	0.00	2,730	273	0.00	—	9,552
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	1.51	0.00	1.51	0.15	0.00	—	5.28

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	7.72	0.00	7.72	0.77	0.00	—	27.0
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	81.4	0.00	81.4	8.14	0.00	—	285
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	106	0.00	106	10.6	0.00	—	369
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.86	0.00	5.86	0.59	0.00	—	20.5
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.38	0.00	0.38	0.04	0.00	—	1.35
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	2.15	0.00	2.15	0.21	0.00	—	7.51
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	14.0	0.00	14.0	1.40	0.00	—	48.9

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	14.9	0.00	14.9	1.49	0.00	—	52.0
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	4.11	0.00	4.11	0.41	0.00	—	14.4
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.42	0.00	0.42	0.04	0.00	—	1.46
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	4.11	0.00	4.11	0.41	0.00	—	14.4
Total	—	—	—	—	—	—	—	—	—	—	—	2,983	0.00	2,983	298	0.00	—	10,435

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	16,490	0.00	16,490	1,648	0.00	—	57,693
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

City Park	—	—	—	—	—	—	—	—	—	—	—	9.11	0.00	9.11	0.91	0.00	—	31.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	46.6	0.00	46.6	4.66	0.00	—	163
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	492	0.00	492	49.2	0.00	—	1,721
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	638	0.00	638	63.7	0.00	—	2,231
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	35.4	0.00	35.4	3.54	0.00	—	124
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	2.32	0.00	2.32	0.23	0.00	—	8.13
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	13.0	0.00	13.0	1.30	0.00	—	45.3
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	84.4	0.00	84.4	8.44	0.00	—	295

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	89.8	0.00	89.8	8.97	0.00	—	314
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	2.51	0.00	2.51	0.25	0.00	—	8.80
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Total	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	16,490	0.00	16,490	1,648	0.00	—	57,693
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	9.11	0.00	9.11	0.91	0.00	—	31.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	46.6	0.00	46.6	4.66	0.00	—	163
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	492	0.00	492	49.2	0.00	—	1,721
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	638	0.00	638	63.7	0.00	—	2,231
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	35.4	0.00	35.4	3.54	0.00	—	124
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	2.32	0.00	2.32	0.23	0.00	—	8.13
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	13.0	0.00	13.0	1.30	0.00	—	45.3
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	84.4	0.00	84.4	8.44	0.00	—	295
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	89.8	0.00	89.8	8.97	0.00	—	314

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	2.51	0.00	2.51	0.25	0.00	—	8.80
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Total	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.95	0.00	0.95	0.10	0.00	—	3.34
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	9.39	0.00	9.39	0.94	0.00	—	32.8
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	2,730	0.00	2,730	273	0.00	—	9,552
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	1.51	0.00	1.51	0.15	0.00	—	5.28
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	7.72	0.00	7.72	0.77	0.00	—	27.0

University/College	—	—	—	—	—	—	—	—	—	—	—	81.4	0.00	81.4	8.14	0.00	—	285
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	106	0.00	106	10.6	0.00	—	369
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.86	0.00	5.86	0.59	0.00	—	20.5
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.38	0.00	0.38	0.04	0.00	—	1.35
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	2.15	0.00	2.15	0.21	0.00	—	7.51
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	14.0	0.00	14.0	1.40	0.00	—	48.9
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	14.9	0.00	14.9	1.49	0.00	—	52.0
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	4.11	0.00	4.11	0.41	0.00	—	14.4
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.42	0.00	0.42	0.04	0.00	—	1.46

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	4.11	0.00	4.11	0.41	0.00	—	14.4
Total	—	—	—	—	—	—	—	—	—	—	—	2,983	0.00	2,983	298	0.00	—	10,435

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,752	6,752
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.33	5.33
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.0	11.0
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	93.8	93.8

Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,659	1,659
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.3	21.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.9	21.9
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.25	6.25
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27	0.27
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,752	6,752

City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.33	5.33
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.0	11.0
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	93.8	93.8
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,659	1,659
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.3	21.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.9	21.9
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.25	6.25
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27	0.27
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,118	1,118
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.82	1.82
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.5	15.5
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	275	275
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.52	3.52
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.62	3.62

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.04	1.04
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,419	1,419

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,752	6,752
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.33	5.33
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.0	11.0
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	93.8	93.8
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,659	1,659
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.3	21.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.9	21.9
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.25	6.25
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27	0.27
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,752	6,752
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.33	5.33
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.0	11.0
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	93.8	93.8
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,659	1,659
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.3	21.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.9	21.9

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.25	6.25
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27	0.27
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,118	1,118
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.82	1.82
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.5	15.5

Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	275	275
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.52	3.52
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.62	3.62
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.04	1.04
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,419	1,419

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,293	1,293	—	—	—	1,293
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,293	1,293	—	—	—	1,293

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	21,241	21,241	—	—	—	21,241

Grassla	—	—	—	—	—	—	—	—	—	—	—	—	-460	-460	—	—	—	-460
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	20,781	20,781	—	—	—	20,781
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadle af Forest	—	—	—	—	—	—	—	—	—	—	—	—	21,241	21,241	—	—	—	21,241
Grassla nd	—	—	—	—	—	—	—	—	—	—	—	—	-460	-460	—	—	—	-460
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	20,781	20,781	—	—	—	20,781
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadle af Forest	—	—	—	—	—	—	—	—	—	—	—	—	3,517	3,517	—	—	—	3,517
Grassla nd	—	—	—	—	—	—	—	—	—	—	—	—	-76.1	-76.1	—	—	—	-76.1
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,441	3,441	—	—	—	3,441

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,293	1,293	—	—	—	1,293
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,293	1,293	—	—	—	1,293

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	21,241	21,241	—	—	—	21,241

Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-460	-460	—	—	—	-460
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	20,781	20,781	—	—	—	20,781
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	21,241	21,241	—	—	—	21,241
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-460	-460	—	—	—	-460
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	20,781	20,781	—	—	—	20,781
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	3,517	3,517	—	—	—	3,517
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-76.1	-76.1	—	—	—	-76.1
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,441	3,441	—	—	—	3,441

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	331	331	331	120,815	4,158	4,158	4,158	1,517,670
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	26,402	26,402	26,402	9,636,731	808,575	808,575	808,575	295,129,807
Parking Lot	77.0	77.0	77.0	28,110	15.7	15.7	15.7	5,732
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	1,017	1,017	1,017	371,205	29,307	29,307	29,307	10,697,022
University/College (4yr)	7,272	7,272	7,272	2,654,280	115,625	115,625	115,625	42,203,052
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	960	960	960	350,400	6,596	6,596	6,596	2,407,539
Gasoline/Service Station	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Convenience Market (24 hour)	2,762	2,762	2,762	1,008,130	18,976	18,976	18,976	6,926,317
Fast Food Restaurant with Drive Thru	6,348	6,348	6,348	2,317,020	43,597	43,597	43,597	15,913,015
High Turnover (Sit Down Restaurant)	856	856	856	312,440	5,886	5,886	5,886	2,148,244

Fast Food Restaurant w/o Drive Thru	389	389	389	141,985	2,676	2,676	2,676	976,887
Bank (with Drive-Through)	502	502	502	183,230	3,450	3,450	3,450	1,259,323
Strip Mall	1,526	1,526	1,526	556,889	11,601	11,601	11,601	4,234,325

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	331	331	331	120,815	4,158	4,158	4,158	1,517,670
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	26,402	26,402	26,402	9,636,731	808,575	808,575	808,575	295,129,807
Parking Lot	77.0	77.0	77.0	28,110	15.7	15.7	15.7	5,732
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	1,017	1,017	1,017	371,205	29,307	29,307	29,307	10,697,022
University/College (4yr)	7,272	7,272	7,272	2,654,280	115,625	115,625	115,625	42,203,052
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	960	960	960	350,400	6,596	6,596	6,596	2,407,539
Gasoline/Service Station	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Convenience Market (24 hour)	2,762	2,762	2,762	1,008,130	18,976	18,976	18,976	6,926,317

Fast Food Restaurant with Drive Thru	6,348	6,348	6,348	2,317,020	43,597	43,597	43,597	15,913,015
High Turnover (Sit Down Restaurant)	856	856	856	312,440	5,886	5,886	5,886	2,148,244
Fast Food Restaurant w/o Drive Thru	389	389	389	141,985	2,676	2,676	2,676	976,887
Bank (with Drive-Through)	502	502	502	183,230	3,450	3,450	3,450	1,259,323
Strip Mall	1,526	1,526	1,526	556,889	11,601	11,601	11,601	4,234,325

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	800
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	800
Conventional Wood Stoves	0
Catalytic Wood Stoves	80
Non-Catalytic Wood Stoves	80
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	800
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	800
Conventional Wood Stoves	0
Catalytic Wood Stoves	80
Non-Catalytic Wood Stoves	80
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
3110400	1,036,800	39,663,586	13,220,498	1,614,159

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	240,687	0.00	0.0000	0.0000	331,994
Government Office Building	2,367,108	0.00	0.0000	0.0000	3,265,086
Industrial Park	516,431,380	0.00	0.0000	0.0000	712,343,077
Parking Lot	5,887,866	0.00	0.0000	0.0000	0.00
City Park	0.00	0.00	0.0000	0.0000	0.00
Other Asphalt Surfaces	0.00	0.00	0.0000	0.0000	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.0000	0.0000	0.00
Office Park	1,946,428	0.00	0.0000	0.0000	2,684,819
University/College (4yr)	8,066,932	0.00	0.0000	0.0000	48,397,263
Apartments Mid Rise	7,228,498	0.00	0.0000	0.0000	22,067,987
Unenclosed Parking with Elevator	985,173	0.00	0.0000	0.0000	0.00
Hotel	367,683	0.00	0.0000	0.0000	1,917,419
Gasoline/Service Station	206,599	0.00	0.0000	0.0000	829,172
Convenience Market (24 hour)	409,734	0.00	0.0000	0.0000	241,901
Fast Food Restaurant with Drive Thru	546,089	0.00	0.0000	0.0000	1,657,172
High Turnover (Sit Down Restaurant)	562,151	0.00	0.0000	0.0000	1,705,912
Fast Food Restaurant w/o Drive Thru	160,614	0.00	0.0000	0.0000	487,403
Bank (with Drive-Through)	51,650	0.00	0.0000	0.0000	207,293
Strip Mall	382,460	0.00	0.0000	0.0000	378,664

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	240,687	0.00	0.0000	0.0000	331,994
Government Office Building	2,367,108	0.00	0.0000	0.0000	3,265,086
Industrial Park	516,431,380	0.00	0.0000	0.0000	712,343,077
Parking Lot	5,887,866	0.00	0.0000	0.0000	0.00
City Park	0.00	0.00	0.0000	0.0000	0.00
Other Asphalt Surfaces	0.00	0.00	0.0000	0.0000	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.0000	0.0000	0.00
Office Park	1,946,428	0.00	0.0000	0.0000	2,684,819
University/College (4yr)	8,066,932	0.00	0.0000	0.0000	48,397,263
Apartments Mid Rise	7,228,498	0.00	0.0000	0.0000	22,067,987
Unenclosed Parking with Elevator	985,173	0.00	0.0000	0.0000	0.00
Hotel	367,683	0.00	0.0000	0.0000	1,917,419
Gasoline/Service Station	206,599	0.00	0.0000	0.0000	829,172
Convenience Market (24 hour)	409,734	0.00	0.0000	0.0000	241,901
Fast Food Restaurant with Drive Thru	546,089	0.00	0.0000	0.0000	1,657,172
High Turnover (Sit Down Restaurant)	562,151	0.00	0.0000	0.0000	1,705,912
Fast Food Restaurant w/o Drive Thru	160,614	0.00	0.0000	0.0000	487,403
Bank (with Drive-Through)	51,650	0.00	0.0000	0.0000	207,293
Strip Mall	382,460	0.00	0.0000	0.0000	378,664

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	2,043,938	0.00
Government Office Building	22,468,410	0.00
Industrial Park	5,706,093,750	84,140,425
Parking Lot	0.00	484,932
City Park	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Office Park	16,529,239	354,059
University/College (4yr)	10,705,500	39,553,323
Apartments Mid Rise	65,078,040	0.00
Unenclosed Parking with Elevator	0.00	0.00
Hotel	3,044,012	218,317
Gasoline/Service Station	106,255	103,895
Convenience Market (24 hour)	592,580	296,343
Fast Food Restaurant with Drive Thru	4,128,058	503,782
High Turnover (Sit Down Restaurant)	4,249,472	518,604
Fast Food Restaurant w/o Drive Thru	1,214,135	148,165
Bank (with Drive-Through)	198,115	185,220
Strip Mall	3,251,784	743,785

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	2,043,938	0.00
Government Office Building	22,468,410	0.00
Industrial Park	5,706,093,750	84,140,425

Parking Lot	0.00	484,932
City Park	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Office Park	16,529,239	354,059
University/College (4yr)	10,705,500	39,553,323
Apartments Mid Rise	65,078,040	0.00
Unenclosed Parking with Elevator	0.00	0.00
Hotel	3,044,012	218,317
Gasoline/Service Station	106,255	103,895
Convenience Market (24 hour)	592,580	296,343
Fast Food Restaurant with Drive Thru	4,128,058	503,782
High Turnover (Sit Down Restaurant)	4,249,472	518,604
Fast Food Restaurant w/o Drive Thru	1,214,135	148,165
Bank (with Drive-Through)	198,115	185,220
Strip Mall	3,251,784	743,785

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	10.7	—
Government Office Building	105	—
Industrial Park	30,597	—
Parking Lot	0.00	—
City Park	16.9	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—

Office Park	86.5	—
University/College (4yr)	913	—
Apartments Mid Rise	1,183	—
Unenclosed Parking with Elevator	0.00	—
Hotel	65.7	—
Gasoline/Service Station	4.31	—
Convenience Market (24 hour)	24.0	—
Fast Food Restaurant with Drive Thru	157	—
High Turnover (Sit Down Restaurant)	167	—
Fast Food Restaurant w/o Drive Thru	46.1	—
Bank (with Drive-Through)	4.67	—
Strip Mall	46.1	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	10.7	—
Government Office Building	105	—
Industrial Park	30,597	—
Parking Lot	0.00	—
City Park	16.9	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Office Park	86.5	—
University/College (4yr)	913	—
Apartments Mid Rise	1,183	—
Unenclosed Parking with Elevator	0.00	—
Hotel	65.7	—
Gasoline/Service Station	4.31	—

Convenience Market (24 hour)	24.0	—
Fast Food Restaurant with Drive Thru	157	—
High Turnover (Sit Down Restaurant)	167	—
Fast Food Restaurant w/o Drive Thru	46.1	—
Bank (with Drive-Through)	4.67	—
Strip Mall	46.1	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Convenience Market (24 hour)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market (24 hour)	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Bank (with Drive-Through)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Bank (with Drive-Through)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Industrial Park	Cold storage	R-404A	3,922	0.38	0.07	0.07	25.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Convenience Market (24 hour)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market (24 hour)	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Bank (with Drive-Through)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Bank (with Drive-Through)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Industrial Park	Cold storage	R-404A	3,922	0.38	0.07	0.07	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
Cropland	Inceptisols	1,577	0.00
Urban	Inceptisols	0.00	1,577

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
Cropland	Inceptisols	1,577	0.00
Urban	Inceptisols	0.00	1,577

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
Broadleaf Forest	1,577	0.00
Grassland	0.00	173
Urban	0.00	1,404

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
Broadleaf Forest	1,577	0.00
Grassland	0.00	173
Urban	0.00	1,404

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	22.1	annual days of extreme heat
Extreme Precipitation	0.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	19.7	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	61.0
AQ-PM	26.8
AQ-DPM	15.7
Drinking Water	60.1
Lead Risk Housing	17.3
Pesticides	83.8
Toxic Releases	18.1
Traffic	25.4
Effect Indicators	—
CleanUp Sites	89.4
Groundwater	97.2
Haz Waste Facilities/Generators	99.4
Impaired Water Bodies	93.4
Solid Waste	93.2
Sensitive Population	—
Asthma	25.2
Cardio-vascular	50.6
Low Birth Weights	52.4
Socioeconomic Factor Indicators	—

Education	68.6
Housing	5.48
Linguistic	31.3
Poverty	21.3
Unemployment	45.8

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	76.83818812
Employed	76.27357885
Median HI	87.89939689
Education	—
Bachelor's or higher	55.29321186
High school enrollment	100
Preschool enrollment	5.222635699
Transportation	—
Auto Access	78.96830489
Active commuting	55.15205954
Social	—
2-parent households	47.76081098
Voting	78.15988708
Neighborhood	—
Alcohol availability	84.49890928
Park access	5.902733222
Retail density	2.746054151
Supermarket access	10.85589632

Tree canopy	64.58360067
Housing	—
Homeownership	65.75131528
Housing habitability	87.28345951
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	88.64365456
Uncrowded housing	49.60862312
Health Outcomes	—
Insured adults	73.18105993
Arthritis	0.0
Asthma ER Admissions	60.1
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	51.5
Cognitively Disabled	82.5
Physically Disabled	52.4
Heart Attack ER Admissions	58.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—

Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	75.9
English Speaking	47.9
Foreign-born	13.3
Outdoor Workers	22.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	93.9
Traffic Density	13.8
Traffic Access	0.0
Other Indices	—
Hardship	42.3
Other Decision Support	—
2016 Voting	72.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0
Healthy Places Index Score for Project Location (b)	70.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	2057 RPS
Land Use	Land uses are based on Project-specific information.
Operations: Vehicle Data	Project trip lengths and rates derived from traffic study conducted by Fehr & Peers.
Operations: Fleet Mix	Auto-specific fleet mix
Operations: Energy Use	—
Operations: Refrigerants	Refrigerant usage for Industrial Park based on Project-specific data.
Operations: Consumer Products	Refined consumer product emission factor based on San Joaquin County-specific consumer product usage and population projections.

Pacific Gateway (Project Operation - Truck) Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

1.2. Land Use Types

1.3. User-Selected Emission Reduction Measures by Emissions Sector

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

2.5. Operations Emissions by Sector, Unmitigated

2.6. Operations Emissions by Sector, Mitigated

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.1.2. Mitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.2. Electricity Emissions By Land Use - Mitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.2.4. Natural Gas Emissions By Land Use - Mitigated

4.3. Area Emissions by Source

4.3.1. Unmitigated

4.3.2. Mitigated

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

4.4.2. Mitigated

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

4.5.2. Mitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

4.6.2. Mitigated

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

4.7.2. Mitigated

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

4.8.2. Mitigated

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

4.9.2. Mitigated

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Pacific Gateway (Project Operation - Truck)
Operational Year	2050
Lead Agency	—
Land Use Scale	Plan/community
Analysis Level for Defaults	County
Windspeed (m/s)	3.40
Precipitation (days)	6.60
Location	37.649944, -121.397722
County	San Joaquin
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2114
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
General Office Building	11.5	1000sqft	0.50	11,500	0.00	—	—	—

Government Office Building	113	1000sqft	2.60	113,100	0.00	—	—	—
Industrial Park	24,675	1000sqft	705	24,675,000	5,994,592	—	—	—
Parking Lot	6,685	1000sqft	154	0.00	34,549	—	—	—
City Park	197	Acre	197	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	15,155	1000sqft	348	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	4,959	1000sqft	114	0.00	0.00	—	—	—
Office Park	93.0	1000sqft	2.70	93,000	25,225	—	—	—
University/College (4yr)	5,000	Student	39.8	1,379,200	1,268,091	1,268,091	—	—
Apartments Mid Rise	1,600	Dwelling Unit	4.80	1,536,000	0.00	—	5,168	—
Unenclosed Parking with Elevator	874	Space	1.60	349,600	0.00	—	—	—
Hotel	120	Room	0.60	60,000	15,554	—	—	—
Gasoline/Service Station	8.00	Pump	0.60	20,000	7,402	—	—	—
Convenience Market (24 hour)	8.00	1000sqft	0.70	8,000	21,113	—	—	—
Fast Food Restaurant with Drive Thru	13.6	1000sqft	1.20	13,600	35,892	—	—	—
High Turnover (Sit Down Restaurant)	14.0	1000sqft	1.20	14,000	36,948	—	—	—
Fast Food Restaurant w/o Drive Thru	4.00	1000sqft	0.30	4,000	10,556	—	—	—
Bank (with Drive-Through)	5.00	1000sqft	0.40	5,000	13,196	—	—	—
Strip Mall	43.9	1000sqft	2.20	43,900	52,991	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	869	789	1,549	2,053	14.0	96.4	460	556	92.9	124	216	37,900	1,520,189	1,558,089	3,021	220	8,740	1,707,815
Mit.	631	567	1,539	797	13.9	94.3	460	554	91.3	124	215	37,900	1,515,155	1,553,055	3,020	220	8,740	1,702,763
% Reduced	27%	28%	1%	61%	1%	2%	—	< 0.5%	2%	—	1%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	652	588	1,628	801	13.9	94.3	460	554	91.3	124	215	37,900	1,515,733	1,553,633	3,020	220	8,575	1,703,201
Mit.	630	566	1,628	801	13.9	94.3	460	554	91.3	124	215	37,900	1,515,733	1,553,633	3,020	220	8,575	1,703,201
% Reduced	3%	4%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	696	656	1,589	1,134	13.0	54.6	458	513	52.8	123	176	31,158	1,504,82	1,535,97	2,989	220	8,644	1,684,80
Mit.	567	535	1,584	514	13.0	53.5	458	512	52.0	123	175	31,158	1,502,33 7	1,533,49 6	2,989	220	8,644	1,682,31 6
% Reduced	18%	18%	< 0.5%	55%	< 0.5%	2%	—	< 0.5%	1%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	127	120	290	207	2.37	9.96	83.6	93.6	9.63	22.5	32.1	5,159	249,140	254,299	495	36.4	1,431	278,939
Mit.	103	97.6	289	93.8	2.36	9.77	83.6	93.4	9.49	22.5	32.0	5,159	248,729	253,888	495	36.4	1,431	278,527
% Reduced	18%	18%	< 0.5%	55%	< 0.5%	2%	—	< 0.5%	1%	—	< 0.5%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.8	20.9	1,306	253	11.4	25.4	460	485	24.3	124	148	—	1,214,44 7	1,214,44 7	8.98	192	170	1,272,02 0
Area	814	756	29.8	1,623	1.34	54.7	—	54.7	52.3	—	52.3	8,695	21,879	30,574	41.2	0.07	—	31,626
Energy	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Water	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Waste	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	28,592	28,592	—	—	—	28,592
Total	869	789	1,549	2,053	14.0	96.4	460	556	92.9	124	216	37,900	1,520,18 9	1,558,08 9	3,021	220	8,740	1,707,81 5
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	30.3	19.5	1,395	257	11.4	25.5	460	485	24.4	124	148	—	1,215,02	1,215,02	8.91	192	4.40	1,272,45
Area	598	557	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Energy	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Water	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Waste	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	28,592	28,592	—	—	—	28,592
Total	652	588	1,628	801	13.9	94.3	460	554	91.3	124	215	37,900	1,515,733	1,553,633	3,020	220	8,575	1,703,201
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.2	20.3	1,366	255	11.4	25.4	458	484	24.3	123	148	—	1,214,690	1,214,690	8.95	192	73.3	1,272,177
Area	641	623	9.55	702	0.32	12.9	—	12.9	12.2	—	12.2	1,953	6,267	8,220	9.31	0.03	—	8,461
Energy	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Water	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Waste	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	28,592	28,592	—	—	—	28,592
Total	696	656	1,589	1,134	13.0	54.6	458	513	52.8	123	176	31,158	1,504,820	1,535,978	2,989	220	8,644	1,684,808
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.69	3.71	249	46.5	2.08	4.64	83.6	88.3	4.44	22.5	26.9	—	201,106	201,106	1.48	31.8	12.1	210,623
Area	117	114	1.74	128	0.06	2.35	—	2.35	2.22	—	2.22	323	1,038	1,361	1.54	< 0.005	—	1,401
Energy	4.29	2.15	39.0	32.3	0.23	2.97	—	2.97	2.97	—	2.97	—	42,263	42,263	3.74	0.08	—	42,380
Water	—	—	—	—	—	—	—	—	—	—	—	1,853	0.00	1,853	190	4.51	—	7,947
Waste	—	—	—	—	—	—	—	—	—	—	—	2,983	0.00	2,983	298	0.00	—	10,435
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,419	1,419

Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,734	4,734	—	—	—	4,734
Total	127	120	290	207	2.37	9.96	83.6	93.6	9.63	22.5	32.1	5,159	249,140	254,299	495	36.4	1,431	278,939

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.8	20.9	1,306	253	11.4	25.4	460	485	24.3	124	148	—	1,214,447	1,214,447	8.98	192	170	1,272,020
Area	576	534	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Energy	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Water	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Waste	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	28,592	28,592	—	—	—	28,592
Total	631	567	1,539	797	13.9	94.3	460	554	91.3	124	215	37,900	1,515,155	1,553,055	3,020	220	8,740	1,702,763
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	30.3	19.5	1,395	257	11.4	25.5	460	485	24.4	124	148	—	1,215,025	1,215,025	8.91	192	4.40	1,272,458
Area	576	534	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Energy	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Water	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Waste	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571

Vegetati	—	—	—	—	—	—	—	—	—	—	—	—	28,592	28,592	—	—	—	28,592
Total	630	566	1,628	801	13.9	94.3	460	554	91.3	124	215	37,900	1,515,733	1,553,633	3,020	220	8,575	1,703,201
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	31.2	20.3	1,366	255	11.4	25.4	458	484	24.3	123	148	—	1,214,690	1,214,690	8.95	192	73.3	1,272,177
Area	512	503	4.30	82.4	0.28	11.8	—	11.8	11.4	—	11.4	1,953	3,784	5,738	9.20	0.01	—	5,970
Energy	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Water	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Waste	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	28,592	28,592	—	—	—	28,592
Total	567	535	1,584	514	13.0	53.5	458	512	52.0	123	175	31,158	1,502,337	1,533,496	2,989	220	8,644	1,682,316
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.69	3.71	249	46.5	2.08	4.64	83.6	88.3	4.44	22.5	26.9	—	201,106	201,106	1.48	31.8	12.1	210,623
Area	93.5	91.8	0.79	15.0	0.05	2.16	—	2.16	2.08	—	2.08	323	627	950	1.52	< 0.005	—	988
Energy	4.29	2.15	39.0	32.3	0.23	2.97	—	2.97	2.97	—	2.97	—	42,263	42,263	3.74	0.08	—	42,380
Water	—	—	—	—	—	—	—	—	—	—	—	1,853	0.00	1,853	190	4.51	—	7,947
Waste	—	—	—	—	—	—	—	—	—	—	—	2,983	0.00	2,983	298	0.00	—	10,435
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,419	1,419
Vegetation	—	—	—	—	—	—	—	—	—	—	—	—	4,734	4,734	—	—	—	4,734
Total	103	97.6	289	93.8	2.36	9.77	83.6	93.4	9.49	22.5	32.0	5,159	248,729	253,888	495	36.4	1,431	278,527

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	29.4	19.1	1,246	229	11.0	24.6	445	470	23.6	120	143	—	1,173,780	1,173,780	8.50	185	164	1,229,421
Parking Lot	0.76	0.50	32.3	5.93	0.29	0.64	11.5	12.2	0.61	3.10	3.71	—	30,446	30,446	0.22	4.81	4.26	31,889
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	0.02	0.01	0.90	0.16	0.01	0.02	0.32	0.34	0.02	0.09	0.10	—	846	846	0.01	0.13	0.12	886
University/College (4yr)	0.05	0.03	2.24	0.41	0.02	0.04	0.80	0.85	0.04	0.22	0.26	—	2,114	2,114	0.02	0.33	0.30	2,215
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Unenclo Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	0.01	0.01	0.45	0.08	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	423	423	< 0.005	0.07	0.06	443
Gasolin e/Servic e Station	1.49	1.17	19.6	16.7	0.03	0.02	0.26	0.28	0.02	0.07	0.09	—	2,820	2,820	0.21	0.45	0.10	2,959
Conveni ence Market (24 hour)	0.01	0.01	0.45	0.08	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	423	423	< 0.005	0.07	0.06	443
Fast Food Restaura nt with Drive Thru	0.03	0.02	1.12	0.21	0.01	0.02	0.40	0.42	0.02	0.11	0.13	—	1,057	1,057	0.01	0.17	0.15	1,107
High Turnover (Sit Down Restaura nt)	0.01	< 0.005	0.22	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	211	211	< 0.005	0.03	0.03	221
Fast Food Restaura nt w/o Drive Thru	0.01	< 0.005	0.22	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	211	211	< 0.005	0.03	0.03	221
Bank (with Drive-Through)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Strip Mall	0.05	0.03	2.24	0.41	0.02	0.04	0.80	0.85	0.04	0.22	0.26	—	2,114	2,114	0.02	0.33	0.30	2,214
Total	31.8	20.9	1,306	253	11.4	25.4	460	485	24.3	124	148	—	1,214,447	1,214,447	8.98	192	170	1,272,020
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	28.0	17.9	1,331	233	11.0	24.6	445	470	23.6	120	143	—	1,174,278	1,174,278	8.44	186	4.26	1,229,780
Parking Lot	0.73	0.46	34.5	6.03	0.29	0.64	11.5	12.2	0.61	3.10	3.71	—	30,459	30,459	0.22	4.81	0.11	31,899
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	0.02	0.01	0.96	0.17	0.01	0.02	0.32	0.34	0.02	0.09	0.10	—	846	846	0.01	0.13	< 0.005	886
University/College (4yr)	0.05	0.03	2.40	0.42	0.02	0.04	0.80	0.85	0.04	0.22	0.26	—	2,115	2,115	0.02	0.33	0.01	2,215
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	0.01	0.01	0.48	0.08	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	423	423	< 0.005	0.07	< 0.005	443

Gasoline/Service Station	1.31	1.01	21.1	17.2	0.03	0.02	0.26	0.28	0.02	0.07	0.09	—	2,885	2,885	0.20	0.46	< 0.005	3,027
Convenience Market (24 hour)	0.01	0.01	0.48	0.08	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	423	423	< 0.005	0.07	< 0.005	443
Fast Food Restaurant with Drive Thru	0.03	0.02	1.20	0.21	0.01	0.02	0.40	0.42	0.02	0.11	0.13	—	1,058	1,058	0.01	0.17	< 0.005	1,108
High Turnover (Sit Down Restaurant)	0.01	< 0.005	0.24	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	212	212	< 0.005	0.03	< 0.005	222
Fast Food Restaurant w/o Drive Thru	0.01	< 0.005	0.24	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	212	212	< 0.005	0.03	< 0.005	222
Bank (with Drive-Through)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Strip Mall	0.05	0.03	2.40	0.42	0.02	0.04	0.80	0.85	0.04	0.22	0.26	—	2,115	2,115	0.02	0.33	0.01	2,215
Total	30.3	19.5	1,395	257	11.4	25.5	460	485	24.4	124	148	—	1,215,025	1,215,025	8.91	192	4.40	1,272,458
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Industria Park	5.26	3.40	238	42.0	2.01	4.50	81.0	85.5	4.30	21.8	26.1	—	194,367	194,367	1.40	30.7	11.8	203,565
Parking Lot	0.14	0.09	6.17	1.09	0.05	0.12	2.10	2.22	0.11	0.56	0.68	—	5,042	5,042	0.04	0.80	0.30	5,280
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	< 0.005	< 0.005	0.17	0.03	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	140	140	< 0.005	0.02	0.01	147
University/College (4yr)	0.01	0.01	0.43	0.08	< 0.005	0.01	0.15	0.15	0.01	0.04	0.05	—	350	350	< 0.005	0.06	0.02	367
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	70.0	70.0	< 0.005	0.01	< 0.005	73.3
Gasoline/Service Station	0.26	0.20	3.69	3.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	471	471	0.03	0.07	0.01	495
Convenience Market (24 hour)	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	70.0	70.0	< 0.005	0.01	< 0.005	73.3

Fast Food Restaurant with Drive Thru	< 0.005	< 0.005	0.21	0.04	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	175	175	< 0.005	0.03	0.01	183
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	< 0.005	36.7
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	< 0.005	36.7
Bank (with Drive-Through)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Strip Mall	0.01	0.01	0.43	0.08	< 0.005	0.01	0.15	0.15	0.01	0.04	0.05	—	350	350	< 0.005	0.06	0.02	367
Total	5.69	3.71	249	46.5	2.08	4.64	83.6	88.3	4.44	22.5	26.9	—	201,106	201,106	1.48	31.8	12.1	210,623

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Industria Park	29.4	19.1	1,246	229	11.0	24.6	445	470	23.6	120	143	—	1,173,78	1,173,78	8.50	185	164	1,229,42
Parking Lot	0.76	0.50	32.3	5.93	0.29	0.64	11.5	12.2	0.61	3.10	3.71	—	30,446	30,446	0.22	4.81	4.26	31,889
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	0.02	0.01	0.90	0.16	0.01	0.02	0.32	0.34	0.02	0.09	0.10	—	846	846	0.01	0.13	0.12	886
University/College (4yr)	0.05	0.03	2.24	0.41	0.02	0.04	0.80	0.85	0.04	0.22	0.26	—	2,114	2,114	0.02	0.33	0.30	2,215
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	0.01	0.01	0.45	0.08	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	423	423	< 0.005	0.07	0.06	443
Gasoline/Service Station	1.49	1.17	19.6	16.7	0.03	0.02	0.26	0.28	0.02	0.07	0.09	—	2,820	2,820	0.21	0.45	0.10	2,959
Convenience Market (24 hour)	0.01	0.01	0.45	0.08	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	423	423	< 0.005	0.07	0.06	443

Fast Food Restaurant with Drive Thru	0.03	0.02	1.12	0.21	0.01	0.02	0.40	0.42	0.02	0.11	0.13	—	1,057	1,057	0.01	0.17	0.15	1,107
High Turnover (Sit Down Restaurant)	0.01	< 0.005	0.22	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	211	211	< 0.005	0.03	0.03	221
Fast Food Restaurant w/o Drive Thru	0.01	< 0.005	0.22	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	211	211	< 0.005	0.03	0.03	221
Bank (with Drive-Through)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Strip Mall	0.05	0.03	2.24	0.41	0.02	0.04	0.80	0.85	0.04	0.22	0.26	—	2,114	2,114	0.02	0.33	0.30	2,214
Total	31.8	20.9	1,306	253	11.4	25.4	460	485	24.3	124	148	—	1,214,447	1,214,447	8.98	192	170	1,272,020
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	28.0	17.9	1,331	233	11.0	24.6	445	470	23.6	120	143	—	1,174,278	1,174,278	8.44	186	4.26	1,229,780
Parking Lot	0.73	0.46	34.5	6.03	0.29	0.64	11.5	12.2	0.61	3.10	3.71	—	30,459	30,459	0.22	4.81	0.11	31,899

City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	0.02	0.01	0.96	0.17	0.01	0.02	0.32	0.34	0.02	0.09	0.10	—	846	846	0.01	0.13	< 0.005	886
University/College (4yr)	0.05	0.03	2.40	0.42	0.02	0.04	0.80	0.85	0.04	0.22	0.26	—	2,115	2,115	0.02	0.33	0.01	2,215
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	0.01	0.01	0.48	0.08	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	423	423	< 0.005	0.07	< 0.005	443
Gasoline/Service Station	1.31	1.01	21.1	17.2	0.03	0.02	0.26	0.28	0.02	0.07	0.09	—	2,885	2,885	0.20	0.46	< 0.005	3,027
Convenience Market (24 hour)	0.01	0.01	0.48	0.08	< 0.005	0.01	0.16	0.17	0.01	0.04	0.05	—	423	423	< 0.005	0.07	< 0.005	443
Fast Food Restaurant with Drive Thru	0.03	0.02	1.20	0.21	0.01	0.02	0.40	0.42	0.02	0.11	0.13	—	1,058	1,058	0.01	0.17	< 0.005	1,108

High Turnover (Sit Down Restaurant)	0.01	< 0.005	0.24	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	212	212	< 0.005	0.03	< 0.005	222
Fast Food Restaurant w/o Drive Thru	0.01	< 0.005	0.24	0.04	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.03	—	212	212	< 0.005	0.03	< 0.005	222
Bank (with Drive-Through)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Strip Mall	0.05	0.03	2.40	0.42	0.02	0.04	0.80	0.85	0.04	0.22	0.26	—	2,115	2,115	0.02	0.33	0.01	2,215
Total	30.3	19.5	1,395	257	11.4	25.5	460	485	24.4	124	148	—	1,215,025	1,215,025	8.91	192	4.40	1,272,458
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	5.26	3.40	238	42.0	2.01	4.50	81.0	85.5	4.30	21.8	26.1	—	194,367	194,367	1.40	30.7	11.8	203,565
Parking Lot	0.14	0.09	6.17	1.09	0.05	0.12	2.10	2.22	0.11	0.56	0.68	—	5,042	5,042	0.04	0.80	0.30	5,280
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Office Park	< 0.005	< 0.005	0.17	0.03	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	140	140	< 0.005	0.02	0.01	147
University/College (4yr)	0.01	0.01	0.43	0.08	< 0.005	0.01	0.15	0.15	0.01	0.04	0.05	—	350	350	< 0.005	0.06	0.02	367
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	70.0	70.0	< 0.005	0.01	< 0.005	73.3
Gasoline/Service Station	0.26	0.20	3.69	3.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	471	471	0.03	0.07	0.01	495
Convenience Market (24 hour)	< 0.005	< 0.005	0.09	0.02	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	70.0	70.0	< 0.005	0.01	< 0.005	73.3
Fast Food Restaurant with Drive Thru	< 0.005	< 0.005	0.21	0.04	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	175	175	< 0.005	0.03	0.01	183
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	< 0.005	36.7
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	< 0.005	—	35.0	35.0	< 0.005	0.01	< 0.005	36.7

Bank (with Drive-Through)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Strip Mall	0.01	0.01	0.43	0.08	< 0.005	0.01	0.15	0.15	0.01	0.04	0.05	—	350	350	< 0.005	0.06	0.02	367
Total	5.69	3.71	249	46.5	2.08	4.64	83.6	88.3	4.44	22.5	26.9	—	201,106	201,106	1.48	31.8	12.1	210,623

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Universit (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartme nts Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Unenclo sed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Gasolin e/Servic e Station	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Conveni ence Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049

Industrial Park	21.0	10.5	191	161	1.15	14.5	—	14.5	14.5	—	14.5	—	228,295	228,295	20.2	0.43	—	228,929
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	0.08	0.04	0.72	0.61	< 0.005	0.05	—	0.05	0.05	—	0.05	—	860	860	0.08	< 0.005	—	863
University/College (4yr)	1.43	0.71	13.0	10.9	0.08	0.99	—	0.99	0.99	—	0.99	—	15,511	15,511	1.37	0.03	—	15,554
Apartments Mid Rise	0.65	0.33	5.57	2.37	0.04	0.45	—	0.45	0.45	—	0.45	—	7,072	7,072	0.63	0.01	—	7,092
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.52	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	615	615	0.05	< 0.005	—	616
Gasoline/Service Station	0.02	0.01	0.22	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	266	266	0.02	< 0.005	—	266
Convenience Market (24 hour)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.5	77.5	0.01	< 0.005	—	77.7

Fast Food Restaurant with Drive Thru	0.05	0.02	0.45	0.37	< 0.005	0.03	—	0.03	0.03	—	0.03	—	531	531	0.05	< 0.005	—	533
High Turnover (Sit Down Restaurant)	0.05	0.03	0.46	0.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	547	547	0.05	< 0.005	—	548
Fast Food Restaurant w/o Drive Thru	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	156	156	0.01	< 0.005	—	157
Bank (with Drive-Through)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	66.4	66.4	0.01	< 0.005	—	66.6
Strip Mall	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	121	121	0.01	< 0.005	—	122
Total	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049
Industrial Park	21.0	10.5	191	161	1.15	14.5	—	14.5	14.5	—	14.5	—	228,295	228,295	20.2	0.43	—	228,929
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	0.08	0.04	0.72	0.61	< 0.005	0.05	—	0.05	0.05	—	0.05	—	860	860	0.08	< 0.005	—	863
University/College (4yr)	1.43	0.71	13.0	10.9	0.08	0.99	—	0.99	0.99	—	0.99	—	15,511	15,511	1.37	0.03	—	15,554
Apartments Mid Rise	0.65	0.33	5.57	2.37	0.04	0.45	—	0.45	0.45	—	0.45	—	7,072	7,072	0.63	0.01	—	7,092
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.52	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	615	615	0.05	< 0.005	—	616
Gasoline/Service Station	0.02	0.01	0.22	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	266	266	0.02	< 0.005	—	266
Convenience Market (24 hour)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.5	77.5	0.01	< 0.005	—	77.7
Fast Food Restaurant with Drive Thru	0.05	0.02	0.45	0.37	< 0.005	0.03	—	0.03	0.03	—	0.03	—	531	531	0.05	< 0.005	—	533

High Turnover (Sit Down Restaurant)	0.05	0.03	0.46	0.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	547	547	0.05	< 0.005	—	548
Fast Food Restaurant w/o Drive Thru	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	156	156	0.01	< 0.005	—	157
Bank (with Drive-Through)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	66.4	66.4	0.01	< 0.005	—	66.6
Strip Mall	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	121	121	0.01	< 0.005	—	122
Total	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.6	17.6	< 0.005	< 0.005	—	17.7
Government Office Building	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	173	173	0.02	< 0.005	—	174
Industrial Park	3.84	1.92	34.9	29.3	0.21	2.65	—	2.65	2.65	—	2.65	—	37,797	37,797	3.35	0.07	—	37,902
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Office Park	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	142	142	0.01	< 0.005	—	143
University/College (4yr)	0.26	0.13	2.37	1.99	0.01	0.18	—	0.18	0.18	—	0.18	—	2,568	2,568	0.23	< 0.005	—	2,575
Apartments Mid Rise	0.12	0.06	1.02	0.43	0.01	0.08	—	0.08	0.08	—	0.08	—	1,171	1,171	0.10	< 0.005	—	1,174
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.01	0.01	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102
Gasoline/Service Station	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	44.0	44.0	< 0.005	< 0.005	—	44.1
Convenience Market (24 hour)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.9
Fast Food Restaurant with Drive Thru	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.9	87.9	0.01	< 0.005	—	88.2
High Turnover (Sit Down Restaurant)	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	90.5	90.5	0.01	< 0.005	—	90.8
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.9	25.9	< 0.005	< 0.005	—	25.9

Bank (with Drive-Through)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.0
Strip Mall	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.1	20.1	< 0.005	< 0.005	—	20.1
Total	4.29	2.15	39.0	32.3	0.23	2.97	—	2.97	2.97	—	2.97	—	42,263	42,263	3.74	0.08	—	42,380

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049
Industrial Park	21.0	10.5	191	161	1.15	14.5	—	14.5	14.5	—	14.5	—	228,295	228,295	20.2	0.43	—	228,929
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	0.08	0.04	0.72	0.61	< 0.005	0.05	—	0.05	0.05	—	0.05	—	860	860	0.08	< 0.005	—	863

Universit (4yr)	1.43	0.71	13.0	10.9	0.08	0.99	—	0.99	0.99	—	0.99	—	15,511	15,511	1.37	0.03	—	15,554
Apartments Mid Rise	0.65	0.33	5.57	2.37	0.04	0.45	—	0.45	0.45	—	0.45	—	7,072	7,072	0.63	0.01	—	7,092
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.52	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	615	615	0.05	< 0.005	—	616
Gasoline/Service Station	0.02	0.01	0.22	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	266	266	0.02	< 0.005	—	266
Convenience Market (24 hour)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.5	77.5	0.01	< 0.005	—	77.7
Fast Food Restaurant with Drive Thru	0.05	0.02	0.45	0.37	< 0.005	0.03	—	0.03	0.03	—	0.03	—	531	531	0.05	< 0.005	—	533
High Turnover (Sit Down Restaurant)	0.05	0.03	0.46	0.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	547	547	0.05	< 0.005	—	548
Fast Food Restaurant w/o Drive Thru	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	156	156	0.01	< 0.005	—	157
Bank (with Drive-Through)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	66.4	66.4	0.01	< 0.005	—	66.6

Strip Mall	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	121	121	0.01	< 0.005	—	122
Total	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	0.01	< 0.005	0.09	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	106	106	0.01	< 0.005	—	107
Government Office Building	0.10	0.05	0.88	0.74	0.01	0.07	—	0.07	0.07	—	0.07	—	1,046	1,046	0.09	< 0.005	—	1,049
Industrial Park	21.0	10.5	191	161	1.15	14.5	—	14.5	14.5	—	14.5	—	228,295	228,295	20.2	0.43	—	228,929
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	0.08	0.04	0.72	0.61	< 0.005	0.05	—	0.05	0.05	—	0.05	—	860	860	0.08	< 0.005	—	863
University/College (4yr)	1.43	0.71	13.0	10.9	0.08	0.99	—	0.99	0.99	—	0.99	—	15,511	15,511	1.37	0.03	—	15,554
Apartments Mid Rise	0.65	0.33	5.57	2.37	0.04	0.45	—	0.45	0.45	—	0.45	—	7,072	7,072	0.63	0.01	—	7,092

Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.06	0.03	0.52	0.43	< 0.005	0.04	—	0.04	0.04	—	0.04	—	615	615	0.05	< 0.005	—	616
Gasoline/Service Station	0.02	0.01	0.22	0.19	< 0.005	0.02	—	0.02	0.02	—	0.02	—	266	266	0.02	< 0.005	—	266
Convenience Market (24 hour)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	77.5	77.5	0.01	< 0.005	—	77.7
Fast Food Restaurant with Drive Thru	0.05	0.02	0.45	0.37	< 0.005	0.03	—	0.03	0.03	—	0.03	—	531	531	0.05	< 0.005	—	533
High Turnover (Sit Down Restaurant)	0.05	0.03	0.46	0.38	< 0.005	0.03	—	0.03	0.03	—	0.03	—	547	547	0.05	< 0.005	—	548
Fast Food Restaurant w/o Drive Thru	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	156	156	0.01	< 0.005	—	157
Bank (with Drive-Through)	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	66.4	66.4	0.01	< 0.005	—	66.6
Strip Mall	0.01	0.01	0.10	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	121	121	0.01	< 0.005	—	122
Total	23.5	11.8	214	177	1.28	16.3	—	16.3	16.3	—	16.3	—	255,271	255,271	22.6	0.48	—	255,979
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	17.6	17.6	< 0.005	< 0.005	—	17.7
Government Office Building	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	173	173	0.02	< 0.005	—	174
Industrial Park	3.84	1.92	34.9	29.3	0.21	2.65	—	2.65	2.65	—	2.65	—	37,797	37,797	3.35	0.07	—	37,902
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Office Park	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	142	142	0.01	< 0.005	—	143
University/College (4yr)	0.26	0.13	2.37	1.99	0.01	0.18	—	0.18	0.18	—	0.18	—	2,568	2,568	0.23	< 0.005	—	2,575
Apartments Mid Rise	0.12	0.06	1.02	0.43	0.01	0.08	—	0.08	0.08	—	0.08	—	1,171	1,171	0.10	< 0.005	—	1,174
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Hotel	0.01	0.01	0.09	0.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	102	102	0.01	< 0.005	—	102

Gasoline/Service Station	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	44.0	44.0	< 0.005	< 0.005	—	44.1
Convenience Market (24 hour)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.8	12.8	< 0.005	< 0.005	—	12.9
Fast Food Restaurant with Drive Thru	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	87.9	87.9	0.01	< 0.005	—	88.2
High Turnover (Sit Down Restaurant)	0.01	< 0.005	0.08	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	90.5	90.5	0.01	< 0.005	—	90.8
Fast Food Restaurant w/o Drive Thru	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.9	25.9	< 0.005	< 0.005	—	25.9
Bank (with Drive-Through)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.0
Strip Mall	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.1	20.1	< 0.005	< 0.005	—	20.1
Total	4.29	2.15	39.0	32.3	0.23	2.97	—	2.97	2.97	—	2.97	—	42,263	42,263	3.74	0.08	—	42,380

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	82.0	40.5	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Consumer Products	478	478	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	38.3	38.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	216	199	10.6	1,256	0.07	2.11	—	2.11	1.60	—	1.60	—	5,034	5,034	0.21	0.04	—	5,052
Total	814	756	29.8	1,623	1.34	54.7	—	54.7	52.3	—	52.3	8,695	21,879	30,574	41.2	0.07	—	31,626
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	82.0	40.5	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Consumer Products	478	478	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	38.3	38.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	598	557	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	3.36	1.66	0.79	15.0	0.05	2.16	—	2.16	2.08	—	2.08	323	627	950	1.52	< 0.005	—	988
Consumer Products	87.2	87.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	6.98	6.98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	19.4	17.9	0.96	113	0.01	0.19	—	0.19	0.14	—	0.14	—	411	411	0.02	< 0.005	—	412
Total	117	114	1.74	128	0.06	2.35	—	2.35	2.22	—	2.22	323	1,038	1,361	1.54	< 0.005	—	1,401

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	82.0	40.5	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Consumer Products	478	478	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.1	16.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	576	534	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	82.0	40.5	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Consumer Products	478	478	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	16.1	16.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	576	534	19.2	367	1.26	52.6	—	52.6	50.7	—	50.7	8,695	16,845	25,540	41.0	0.03	—	26,574
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	3.36	1.66	0.79	15.0	0.05	2.16	—	2.16	2.08	—	2.08	323	627	950	1.52	< 0.005	—	988
Consumer Products	87.2	87.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	2.94	2.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	93.5	91.8	0.79	15.0	0.05	2.16	—	2.16	2.08	—	2.08	323	627	950	1.52	< 0.005	—	988

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.00	3.92	0.40	0.01	—	16.8
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	0.00	43.1	4.41	0.10	—	185
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	10,934	0.00	10,934	1,121	26.6	—	46,902
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	31.7	0.00	31.7	3.25	0.08	—	136
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	20.5	0.00	20.5	2.10	0.05	—	88.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	125	0.00	125	12.8	0.30	—	535
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.83	0.00	5.83	0.60	0.01	—	25.0
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.20	0.00	0.20	0.02	< 0.005	—	0.87
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.14	0.00	1.14	0.12	< 0.005	—	4.87
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	7.91	0.00	7.91	0.81	0.02	—	33.9

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	8.14	0.00	8.14	0.83	0.02	—	34.9
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.33	0.00	2.33	0.24	0.01	—	9.98
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.38	0.00	0.38	0.04	< 0.005	—	1.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	6.23	0.00	6.23	0.64	0.02	—	26.7
Total	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.00	3.92	0.40	0.01	—	16.8
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	0.00	43.1	4.41	0.10	—	185
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	10,934	0.00	10,934	1,121	26.6	—	46,902
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	31.7	0.00	31.7	3.25	0.08	—	136
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	20.5	0.00	20.5	2.10	0.05	—	88.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	125	0.00	125	12.8	0.30	—	535
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.83	0.00	5.83	0.60	0.01	—	25.0
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.20	0.00	0.20	0.02	< 0.005	—	0.87
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.14	0.00	1.14	0.12	< 0.005	—	4.87
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	7.91	0.00	7.91	0.81	0.02	—	33.9
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	8.14	0.00	8.14	0.83	0.02	—	34.9

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.33	0.00	2.33	0.24	0.01	—	9.98
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.38	0.00	0.38	0.04	< 0.005	—	1.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	6.23	0.00	6.23	0.64	0.02	—	26.7
Total	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.65	0.00	0.65	0.07	< 0.005	—	2.78
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	7.13	0.00	7.13	0.73	0.02	—	30.6
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	1,810	0.00	1,810	186	4.41	—	7,765
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	5.24	0.00	5.24	0.54	0.01	—	22.5

University/College	—	—	—	—	—	—	—	—	—	—	—	3.40	0.00	3.40	0.35	0.01	—	14.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	20.6	0.00	20.6	2.12	0.05	—	88.6
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.97	0.00	0.97	0.10	< 0.005	—	4.14
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.03	0.00	0.03	< 0.005	< 0.005	—	0.14
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.19	0.00	0.19	0.02	< 0.005	—	0.81
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.31	0.00	1.31	0.13	< 0.005	—	5.62
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.35	0.00	1.35	0.14	< 0.005	—	5.78
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	< 0.005	—	1.65
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	< 0.005	—	0.27

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.03	0.00	1.03	0.11	< 0.005	—	4.43
Total	—	—	—	—	—	—	—	—	—	—	—	1,853	0.00	1,853	190	4.51	—	7,947

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.00	3.92	0.40	0.01	—	16.8
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	0.00	43.1	4.41	0.10	—	185
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	10,934	0.00	10,934	1,121	26.6	—	46,902
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	31.7	0.00	31.7	3.25	0.08	—	136

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	20.5	0.00	20.5	2.10	0.05	—	88.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	125	0.00	125	12.8	0.30	—	535
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.83	0.00	5.83	0.60	0.01	—	25.0
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.20	0.00	0.20	0.02	< 0.005	—	0.87
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.14	0.00	1.14	0.12	< 0.005	—	4.87
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	7.91	0.00	7.91	0.81	0.02	—	33.9
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	8.14	0.00	8.14	0.83	0.02	—	34.9
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.33	0.00	2.33	0.24	0.01	—	9.98
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.38	0.00	0.38	0.04	< 0.005	—	1.63

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	6.23	0.00	6.23	0.64	0.02	—	26.7
Total	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	3.92	0.00	3.92	0.40	0.01	—	16.8
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	43.1	0.00	43.1	4.41	0.10	—	185
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	10,934	0.00	10,934	1,121	26.6	—	46,902
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	31.7	0.00	31.7	3.25	0.08	—	136
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	20.5	0.00	20.5	2.10	0.05	—	88.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	125	0.00	125	12.8	0.30	—	535

Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.83	0.00	5.83	0.60	0.01	—	25.0
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.20	0.00	0.20	0.02	< 0.005	—	0.87
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	1.14	0.00	1.14	0.12	< 0.005	—	4.87
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	7.91	0.00	7.91	0.81	0.02	—	33.9
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	8.14	0.00	8.14	0.83	0.02	—	34.9
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	2.33	0.00	2.33	0.24	0.01	—	9.98
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.38	0.00	0.38	0.04	< 0.005	—	1.63
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	6.23	0.00	6.23	0.64	0.02	—	26.7
Total	—	—	—	—	—	—	—	—	—	—	—	11,190	0.00	11,190	1,147	27.3	—	48,000
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.65	0.00	0.65	0.07	< 0.005	—	2.78
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	7.13	0.00	7.13	0.73	0.02	—	30.6
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	1,810	0.00	1,810	186	4.41	—	7,765
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	5.24	0.00	5.24	0.54	0.01	—	22.5
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	3.40	0.00	3.40	0.35	0.01	—	14.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	20.6	0.00	20.6	2.12	0.05	—	88.6
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	0.97	0.00	0.97	0.10	< 0.005	—	4.14

Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.03	0.00	0.03	< 0.005	< 0.005	—	0.14
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	0.19	0.00	0.19	0.02	< 0.005	—	0.81
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.31	0.00	1.31	0.13	< 0.005	—	5.62
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.35	0.00	1.35	0.14	< 0.005	—	5.78
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.39	0.00	0.39	0.04	< 0.005	—	1.65
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.06	0.00	0.06	0.01	< 0.005	—	0.27
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	1.03	0.00	1.03	0.11	< 0.005	—	4.43
Total	—	—	—	—	—	—	—	—	—	—	—	1,853	0.00	1,853	190	4.51	—	7,947

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	16,490	0.00	16,490	1,648	0.00	—	57,693
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	9.11	0.00	9.11	0.91	0.00	—	31.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	46.6	0.00	46.6	4.66	0.00	—	163
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	492	0.00	492	49.2	0.00	—	1,721
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	638	0.00	638	63.7	0.00	—	2,231
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	35.4	0.00	35.4	3.54	0.00	—	124

Gasolin Station	—	—	—	—	—	—	—	—	—	—	—	2.32	0.00	2.32	0.23	0.00	—	8.13
Conveni ence Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	13.0	0.00	13.0	1.30	0.00	—	45.3
Fast Food Restaura nt with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	84.4	0.00	84.4	8.44	0.00	—	295
High Turnover (Sit Down Restaura nt)	—	—	—	—	—	—	—	—	—	—	—	89.8	0.00	89.8	8.97	0.00	—	314
Fast Food Restaura nt w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	2.51	0.00	2.51	0.25	0.00	—	8.80
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Total	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Govern ment Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	16,490	0.00	16,490	1,648	0.00	—	57,693
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	9.11	0.00	9.11	0.91	0.00	—	31.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	46.6	0.00	46.6	4.66	0.00	—	163
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	492	0.00	492	49.2	0.00	—	1,721
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	638	0.00	638	63.7	0.00	—	2,231
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	35.4	0.00	35.4	3.54	0.00	—	124
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	2.32	0.00	2.32	0.23	0.00	—	8.13
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	13.0	0.00	13.0	1.30	0.00	—	45.3

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	84.4	0.00	84.4	8.44	0.00	—	295
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	89.8	0.00	89.8	8.97	0.00	—	314
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	2.51	0.00	2.51	0.25	0.00	—	8.80
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Total	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.95	0.00	0.95	0.10	0.00	—	3.34
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	9.39	0.00	9.39	0.94	0.00	—	32.8
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	2,730	0.00	2,730	273	0.00	—	9,552
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	1.51	0.00	1.51	0.15	0.00	—	5.28

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	7.72	0.00	7.72	0.77	0.00	—	27.0
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	81.4	0.00	81.4	8.14	0.00	—	285
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	106	0.00	106	10.6	0.00	—	369
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.86	0.00	5.86	0.59	0.00	—	20.5
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.38	0.00	0.38	0.04	0.00	—	1.35
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	2.15	0.00	2.15	0.21	0.00	—	7.51
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	14.0	0.00	14.0	1.40	0.00	—	48.9

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	14.9	0.00	14.9	1.49	0.00	—	52.0
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	4.11	0.00	4.11	0.41	0.00	—	14.4
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.42	0.00	0.42	0.04	0.00	—	1.46
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	4.11	0.00	4.11	0.41	0.00	—	14.4
Total	—	—	—	—	—	—	—	—	—	—	—	2,983	0.00	2,983	298	0.00	—	10,435

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	16,490	0.00	16,490	1,648	0.00	—	57,693
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

City Park	—	—	—	—	—	—	—	—	—	—	—	9.11	0.00	9.11	0.91	0.00	—	31.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	46.6	0.00	46.6	4.66	0.00	—	163
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	492	0.00	492	49.2	0.00	—	1,721
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	638	0.00	638	63.7	0.00	—	2,231
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	35.4	0.00	35.4	3.54	0.00	—	124
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	2.32	0.00	2.32	0.23	0.00	—	8.13
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	13.0	0.00	13.0	1.30	0.00	—	45.3
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	84.4	0.00	84.4	8.44	0.00	—	295

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	89.8	0.00	89.8	8.97	0.00	—	314
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	2.51	0.00	2.51	0.25	0.00	—	8.80
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Total	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	5.76	0.00	5.76	0.58	0.00	—	20.2
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	56.7	0.00	56.7	5.67	0.00	—	198
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	16,490	0.00	16,490	1,648	0.00	—	57,693
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	9.11	0.00	9.11	0.91	0.00	—	31.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	46.6	0.00	46.6	4.66	0.00	—	163
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	492	0.00	492	49.2	0.00	—	1,721
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	638	0.00	638	63.7	0.00	—	2,231
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	35.4	0.00	35.4	3.54	0.00	—	124
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	2.32	0.00	2.32	0.23	0.00	—	8.13
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	13.0	0.00	13.0	1.30	0.00	—	45.3
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	84.4	0.00	84.4	8.44	0.00	—	295
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	89.8	0.00	89.8	8.97	0.00	—	314

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	2.51	0.00	2.51	0.25	0.00	—	8.80
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	24.8	0.00	24.8	2.48	0.00	—	86.9
Total	—	—	—	—	—	—	—	—	—	—	—	18,015	0.00	18,015	1,800	0.00	—	63,027
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.95	0.00	0.95	0.10	0.00	—	3.34
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	9.39	0.00	9.39	0.94	0.00	—	32.8
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	2,730	0.00	2,730	273	0.00	—	9,552
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
City Park	—	—	—	—	—	—	—	—	—	—	—	1.51	0.00	1.51	0.15	0.00	—	5.28
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	7.72	0.00	7.72	0.77	0.00	—	27.0

University/College	—	—	—	—	—	—	—	—	—	—	—	81.4	0.00	81.4	8.14	0.00	—	285
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	106	0.00	106	10.6	0.00	—	369
Unenclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Hotel	—	—	—	—	—	—	—	—	—	—	—	5.86	0.00	5.86	0.59	0.00	—	20.5
Gasoline/Service Station	—	—	—	—	—	—	—	—	—	—	—	0.38	0.00	0.38	0.04	0.00	—	1.35
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	2.15	0.00	2.15	0.21	0.00	—	7.51
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	14.0	0.00	14.0	1.40	0.00	—	48.9
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	14.9	0.00	14.9	1.49	0.00	—	52.0
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	4.11	0.00	4.11	0.41	0.00	—	14.4
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	0.42	0.00	0.42	0.04	0.00	—	1.46

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	4.11	0.00	4.11	0.41	0.00	—	14.4
Total	—	—	—	—	—	—	—	—	—	—	—	2,983	0.00	2,983	298	0.00	—	10,435

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,752	6,752
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.33	5.33
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.0	11.0
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	93.8	93.8

Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,659	1,659
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.3	21.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.9	21.9
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.25	6.25
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27	0.27
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,752	6,752

City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.33	5.33
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.0	11.0
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	93.8	93.8
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,659	1,659
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.3	21.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.9	21.9
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.25	6.25
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27	0.27
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,118	1,118
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.82	1.82
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.5	15.5
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	275	275
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.52	3.52
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.62	3.62

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.04	1.04
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,419	1,419

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,752	6,752
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23

University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.33	5.33
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.0	11.0
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	93.8	93.8
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,659	1,659
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.3	21.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.9	21.9
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.25	6.25
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27	0.27
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.03	0.03
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.28	0.28
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,752	6,752
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5.33	5.33
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.0	11.0
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	93.8	93.8
Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,659	1,659
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.3	21.3
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21.9	21.9

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6.25	6.25
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27	0.27
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,571	8,571
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Government Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,118	1,118
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
University/College (4yr)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.88	0.88
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.82	1.82
Hotel	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.5	15.5

Convenience Market (24 hour)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	275	275
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.52	3.52
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3.62	3.62
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.04	1.04
Bank (with Drive-Through)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.05	0.05
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,419	1,419

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,293	1,293	—	—	—	1,293
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,293	1,293	—	—	—	1,293

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	21,241	21,241	—	—	—	21,241

Grassla	—	—	—	—	—	—	—	—	—	—	—	—	-460	-460	—	—	—	-460
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	20,781	20,781	—	—	—	20,781
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadle af Forest	—	—	—	—	—	—	—	—	—	—	—	—	21,241	21,241	—	—	—	21,241
Grassla nd	—	—	—	—	—	—	—	—	—	—	—	—	-460	-460	—	—	—	-460
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	20,781	20,781	—	—	—	20,781
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadle af Forest	—	—	—	—	—	—	—	—	—	—	—	—	3,517	3,517	—	—	—	3,517
Grassla nd	—	—	—	—	—	—	—	—	—	—	—	—	-76.1	-76.1	—	—	—	-76.1
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,441	3,441	—	—	—	3,441

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,811	7,811	—	—	—	7,811
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cropland	—	—	—	—	—	—	—	—	—	—	—	—	1,293	1,293	—	—	—	1,293
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,293	1,293	—	—	—	1,293

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	21,241	21,241	—	—	—	21,241

Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-460	-460	—	—	—	-460
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	20,781	20,781	—	—	—	20,781
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	21,241	21,241	—	—	—	21,241
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-460	-460	—	—	—	-460
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	20,781	20,781	—	—	—	20,781
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Broadleaf Forest	—	—	—	—	—	—	—	—	—	—	—	—	3,517	3,517	—	—	—	3,517
Grassland	—	—	—	—	—	—	—	—	—	—	—	—	-76.1	-76.1	—	—	—	-76.1
Urban	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	—	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,441	3,441	—	—	—	3,441

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	11,103	11,103	11,103	4,052,599	488,532	488,532	488,532	178,314,337
Parking Lot	288	288	288	105,118	12,672	12,672	12,672	4,625,185
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	8.00	8.00	8.00	2,920	352	352	352	128,478
University/College (4yr)	20.0	20.0	20.0	7,300	880	880	880	321,200
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	4.00	4.00	4.00	1,460	176	176	176	64,234
Gasoline/Service Station	1,440	1,440	1,440	525,600	288	288	288	105,120
Convenience Market (24 hour)	4.00	4.00	4.00	1,460	176	176	176	64,240
Fast Food Restaurant with Drive Thru	10.00	10.00	10.00	3,650	440	440	440	160,599
High Turnover (Sit Down Restaurant)	2.00	2.00	2.00	730	88.0	88.0	88.0	32,121

Fast Food Restaurant w/o Drive Thru	2.00	2.00	2.00	730	88.0	88.0	88.0	32,120
Bank (with Drive-Through)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Strip Mall	20.0	20.0	20.0	7,299	880	880	880	321,143

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Government Office Building	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Industrial Park	11,103	11,103	11,103	4,052,599	488,532	488,532	488,532	178,314,337
Parking Lot	288	288	288	105,118	12,672	12,672	12,672	4,625,185
City Park	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Office Park	8.00	8.00	8.00	2,920	352	352	352	128,478
University/College (4yr)	20.0	20.0	20.0	7,300	880	880	880	321,200
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unenclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hotel	4.00	4.00	4.00	1,460	176	176	176	64,234
Gasoline/Service Station	1,440	1,440	1,440	525,600	288	288	288	105,120
Convenience Market (24 hour)	4.00	4.00	4.00	1,460	176	176	176	64,240

Fast Food Restaurant with Drive Thru	10.00	10.00	10.00	3,650	440	440	440	160,599
High Turnover (Sit Down Restaurant)	2.00	2.00	2.00	730	88.0	88.0	88.0	32,121
Fast Food Restaurant w/o Drive Thru	2.00	2.00	2.00	730	88.0	88.0	88.0	32,120
Bank (with Drive-Through)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Strip Mall	20.0	20.0	20.0	7,299	880	880	880	321,143

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	800
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	800
Conventional Wood Stoves	0
Catalytic Wood Stoves	80
Non-Catalytic Wood Stoves	80
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	800
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	800
Conventional Wood Stoves	0
Catalytic Wood Stoves	80
Non-Catalytic Wood Stoves	80
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
3110400	1,036,800	39,663,586	13,220,498	1,614,159

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	240,687	0.00	0.0000	0.0000	331,994
Government Office Building	2,367,108	0.00	0.0000	0.0000	3,265,086
Industrial Park	516,431,380	0.00	0.0000	0.0000	712,343,077
Parking Lot	5,887,866	0.00	0.0000	0.0000	0.00
City Park	0.00	0.00	0.0000	0.0000	0.00
Other Asphalt Surfaces	0.00	0.00	0.0000	0.0000	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.0000	0.0000	0.00
Office Park	1,946,428	0.00	0.0000	0.0000	2,684,819
University/College (4yr)	8,066,932	0.00	0.0000	0.0000	48,397,263
Apartments Mid Rise	7,228,498	0.00	0.0000	0.0000	22,067,987
Unenclosed Parking with Elevator	985,173	0.00	0.0000	0.0000	0.00
Hotel	367,683	0.00	0.0000	0.0000	1,917,419
Gasoline/Service Station	206,599	0.00	0.0000	0.0000	829,172
Convenience Market (24 hour)	409,734	0.00	0.0000	0.0000	241,901
Fast Food Restaurant with Drive Thru	546,089	0.00	0.0000	0.0000	1,657,172
High Turnover (Sit Down Restaurant)	562,151	0.00	0.0000	0.0000	1,705,912
Fast Food Restaurant w/o Drive Thru	160,614	0.00	0.0000	0.0000	487,403
Bank (with Drive-Through)	51,650	0.00	0.0000	0.0000	207,293
Strip Mall	382,460	0.00	0.0000	0.0000	378,664

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
General Office Building	240,687	0.00	0.0000	0.0000	331,994
Government Office Building	2,367,108	0.00	0.0000	0.0000	3,265,086
Industrial Park	516,431,380	0.00	0.0000	0.0000	712,343,077
Parking Lot	5,887,866	0.00	0.0000	0.0000	0.00
City Park	0.00	0.00	0.0000	0.0000	0.00
Other Asphalt Surfaces	0.00	0.00	0.0000	0.0000	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.0000	0.0000	0.00
Office Park	1,946,428	0.00	0.0000	0.0000	2,684,819
University/College (4yr)	8,066,932	0.00	0.0000	0.0000	48,397,263
Apartments Mid Rise	7,228,498	0.00	0.0000	0.0000	22,067,987
Unenclosed Parking with Elevator	985,173	0.00	0.0000	0.0000	0.00
Hotel	367,683	0.00	0.0000	0.0000	1,917,419
Gasoline/Service Station	206,599	0.00	0.0000	0.0000	829,172
Convenience Market (24 hour)	409,734	0.00	0.0000	0.0000	241,901
Fast Food Restaurant with Drive Thru	546,089	0.00	0.0000	0.0000	1,657,172
High Turnover (Sit Down Restaurant)	562,151	0.00	0.0000	0.0000	1,705,912
Fast Food Restaurant w/o Drive Thru	160,614	0.00	0.0000	0.0000	487,403
Bank (with Drive-Through)	51,650	0.00	0.0000	0.0000	207,293
Strip Mall	382,460	0.00	0.0000	0.0000	378,664

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	2,043,938	0.00
Government Office Building	22,468,410	0.00
Industrial Park	5,706,093,750	84,140,425
Parking Lot	0.00	484,932
City Park	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Office Park	16,529,239	354,059
University/College (4yr)	10,705,500	39,553,323
Apartments Mid Rise	65,078,040	0.00
Unenclosed Parking with Elevator	0.00	0.00
Hotel	3,044,012	218,317
Gasoline/Service Station	106,255	103,895
Convenience Market (24 hour)	592,580	296,343
Fast Food Restaurant with Drive Thru	4,128,058	503,782
High Turnover (Sit Down Restaurant)	4,249,472	518,604
Fast Food Restaurant w/o Drive Thru	1,214,135	148,165
Bank (with Drive-Through)	198,115	185,220
Strip Mall	3,251,784	743,785

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
General Office Building	2,043,938	0.00
Government Office Building	22,468,410	0.00
Industrial Park	5,706,093,750	84,140,425

Parking Lot	0.00	484,932
City Park	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Office Park	16,529,239	354,059
University/College (4yr)	10,705,500	39,553,323
Apartments Mid Rise	65,078,040	0.00
Unenclosed Parking with Elevator	0.00	0.00
Hotel	3,044,012	218,317
Gasoline/Service Station	106,255	103,895
Convenience Market (24 hour)	592,580	296,343
Fast Food Restaurant with Drive Thru	4,128,058	503,782
High Turnover (Sit Down Restaurant)	4,249,472	518,604
Fast Food Restaurant w/o Drive Thru	1,214,135	148,165
Bank (with Drive-Through)	198,115	185,220
Strip Mall	3,251,784	743,785

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	10.7	—
Government Office Building	105	—
Industrial Park	30,597	—
Parking Lot	0.00	—
City Park	16.9	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—

Office Park	86.5	—
University/College (4yr)	913	—
Apartments Mid Rise	1,183	—
Unenclosed Parking with Elevator	0.00	—
Hotel	65.7	—
Gasoline/Service Station	4.31	—
Convenience Market (24 hour)	24.0	—
Fast Food Restaurant with Drive Thru	157	—
High Turnover (Sit Down Restaurant)	167	—
Fast Food Restaurant w/o Drive Thru	46.1	—
Bank (with Drive-Through)	4.67	—
Strip Mall	46.1	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
General Office Building	10.7	—
Government Office Building	105	—
Industrial Park	30,597	—
Parking Lot	0.00	—
City Park	16.9	—
Other Asphalt Surfaces	0.00	—
Other Non-Asphalt Surfaces	0.00	—
Office Park	86.5	—
University/College (4yr)	913	—
Apartments Mid Rise	1,183	—
Unenclosed Parking with Elevator	0.00	—
Hotel	65.7	—
Gasoline/Service Station	4.31	—

Convenience Market (24 hour)	24.0	—
Fast Food Restaurant with Drive Thru	157	—
High Turnover (Sit Down Restaurant)	167	—
Fast Food Restaurant w/o Drive Thru	46.1	—
Bank (with Drive-Through)	4.67	—
Strip Mall	46.1	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Convenience Market (24 hour)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market (24 hour)	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Bank (with Drive-Through)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Bank (with Drive-Through)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Industrial Park	Cold storage	R-404A	3,922	0.38	0.07	0.07	25.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Government Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Government Office Building	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
University/College (4yr)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
University/College (4yr)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
University/College (4yr)	Stand-alone retail refrigerators and freezers	R-134a	1,430	< 0.005	1.00	0.00	1.00
University/College (4yr)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Hotel	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

Hotel	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Hotel	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Convenience Market (24 hour)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market (24 hour)	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Bank (with Drive-Through)	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Bank (with Drive-Through)	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

Strip Mall	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Industrial Park	Cold storage	R-404A	3,922	0.38	0.07	0.07	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
Cropland	Inceptisols	1,577	0.00
Urban	Inceptisols	0.00	1,577

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
Cropland	Inceptisols	1,577	0.00
Urban	Inceptisols	0.00	1,577

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
Broadleaf Forest	1,577	0.00
Grassland	0.00	173
Urban	0.00	1,404

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
Broadleaf Forest	1,577	0.00
Grassland	0.00	173
Urban	0.00	1,404

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	22.1	annual days of extreme heat
Extreme Precipitation	0.15	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	19.7	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.

The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	61.0
AQ-PM	26.8
AQ-DPM	15.7
Drinking Water	60.1
Lead Risk Housing	17.3
Pesticides	83.8
Toxic Releases	18.1
Traffic	25.4
Effect Indicators	—
CleanUp Sites	89.4
Groundwater	97.2
Haz Waste Facilities/Generators	99.4
Impaired Water Bodies	93.4
Solid Waste	93.2
Sensitive Population	—
Asthma	25.2
Cardio-vascular	50.6
Low Birth Weights	52.4
Socioeconomic Factor Indicators	—

Education	68.6
Housing	5.48
Linguistic	31.3
Poverty	21.3
Unemployment	45.8

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	76.83818812
Employed	76.27357885
Median HI	87.89939689
Education	—
Bachelor's or higher	55.29321186
High school enrollment	100
Preschool enrollment	5.222635699
Transportation	—
Auto Access	78.96830489
Active commuting	55.15205954
Social	—
2-parent households	47.76081098
Voting	78.15988708
Neighborhood	—
Alcohol availability	84.49890928
Park access	5.902733222
Retail density	2.746054151
Supermarket access	10.85589632

Tree canopy	64.58360067
Housing	—
Homeownership	65.75131528
Housing habitability	87.28345951
Low-inc homeowner severe housing cost burden	75.25984858
Low-inc renter severe housing cost burden	88.64365456
Uncrowded housing	49.60862312
Health Outcomes	—
Insured adults	73.18105993
Arthritis	0.0
Asthma ER Admissions	60.1
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	51.5
Cognitively Disabled	82.5
Physically Disabled	52.4
Heart Attack ER Admissions	58.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—

Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	53.3
Elderly	75.9
English Speaking	47.9
Foreign-born	13.3
Outdoor Workers	22.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	93.9
Traffic Density	13.8
Traffic Access	0.0
Other Indices	—
Hardship	42.3
Other Decision Support	—
2016 Voting	72.2

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	55.0
Healthy Places Index Score for Project Location (b)	70.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Characteristics: Utility Information	2057 RPS
Land Use	Land uses are based on Project-specific information.
Operations: Vehicle Data	Project trip lengths and rates derived from traffic study conducted by Fehr & Peers.
Operations: Fleet Mix	Truck-specific fleet mix.
Operations: Energy Use	—
Operations: Refrigerants	Refrigerant usage for Industrial Park based on Project-specific data.
Operations: Consumer Products	Refined consumer product emission factor based on San Joaquin County-specific consumer product usage and population projections.

APPENDIX B
INITIAL PHASE MOBILE SOURCE CALEEMOD INPUTS

Table B-1. Fleet Mix (Initial Phase)
Pacific Gateway
San Joaquin County, California

CalEEMod® Default[1]	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	OBUS	UBUS	MCY	SBUS	MH
	49%	3%	22%	16%	3%	1%	1%	2%	0%	0%	2%	0%	0%

Autos[2]	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2
	52%	3%	24%	17%	3%	1%

Heavy-Duty Trucks[2]	HHDT
	100%

Notes:

[1] CalEEMod® default for San Joaquin County calendar year 2032.

[2] Vehicle categories are defined based on Fehr & Peer's assumed vehicle categories.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel
HHDT - Heavy Heavy-Duty Truck
LDA - Light-Duty Automobile
LHD - Light Heavy-Duty Truck
LDT - Light-Duty Truck
MCY - Motorcycle
MDV - Medium-Duty Vehicle
MH - Motor Home
MHD - Medium Heavy-Duty Truck
OBUS - Other Buses
SBUS - School Bus
UBUS - Urban Buses

Year 2032

Table B-2. Trip Lengths and Vehicle Miles Traveled by Autos to General Industrial Land Use (Initial Phase)
Pacific Gateway
San Joaquin County, California

Land Use	Vehicle Type	Trip Type	Average One-Way Trip Length[1,2]	Daily Trips (one-way trips/day)[3]	Daily VMT[4,5]
General Industrial	Auto	Home-Work	70.0	2,026	141,899
	Auto	Work-Other	13.4	907	12,131
	Auto	Other-Other	10.5	1,306	13,742

Notes:

[1] Trip length for Home-Work trips are based on the division of daily VMT and daily trips.

[2] Trip lengths for Work-Other and Other-Other trips are based on CalEEMod® defaults.

[3] Total daily trips for each land use are based on Project-specific data provided by Fehr & Peers. The trips were split into trip types based on CalEEMod® default trip type distribution.

[4] Daily VMT for Home-Work trips are based on Project-specific data provided by Fehr & Peers.

[5] Daily VMT is estimated as a product of average trip length and number of trips presented in this table.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel

VMT - vehicle miles traveled

yr - year

APPENDIX C
FULL BUILDOUT MOBILE SOURCE CALEEMOD INPUTS

Table C-1. Fleet Mix (Full Buildout)
Pacific Gateway
San Joaquin County, California

CalEEMod® Default[1]	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2	MHDT	HHDT	OBUS	UBUS	MCY	SBUS	MH
	49%	3%	24%	15%	2%	1%	2%	3%	0%	0%	2%	0%	0%

Autos[2]	LDA	LDT1	LDT2	MDV	LHDT1	LHDT2
	52%	3%	26%	16%	2%	1%

Heavy-Duty Trucks[2]	HHDT
	100%

Notes:

[1] CalEEMod® default for San Joaquin County calendar year 2050. While the project buildout is expected to be completed in a later year, the latest calendar year in EMFAC was 2050. Thus, this year was used to model the emission factors for the full buildout scenario in the absence of an emission factor specific to operation in the year 2057. Since it is expected that emission factors would continue to improve over time this is a conservative assumption.

[2] Vehicle categories are defined based on Fehr & Peer's assumed vehicle categories.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel
HHDT - Heavy Heavy-Duty Truck
LDA - Light-Duty Automobile
LHD - Light Heavy-Duty Truck
LDT - Light-Duty Truck
MCY - Motorcycle
MDV - Medium-Duty Vehicle
MH - Motor Home
MHD - Medium Heavy-Duty Truck
OBUS - Other Buses
SBUS - School Bus
UBUS - Urban Buses

Year 2050

Table C-2. Trip Lengths and Vehicle Miles Traveled by Autos to General Industrial and Office Land Uses (Full Buildout)
Pacific Gateway
San Joaquin County, California

Land Use	Vehicle Type	Trip Type	Average One-Way Trip Length[1,2]	Daily Trips (one-way trips/day)[3]	Daily VMT[4,5]
Business Park	Auto	Home-Work	47.5	486	23,101
	Auto	Work-Other	13.4	218	2,910
	Auto	Other-Other	10.5	313	3,296
General Industrial	Auto	Home-Work	51.3	12,618	647,465
	Auto	Work-Other	13.4	5,650	75,541
	Auto	Other-Other	10.5	8,134	85,569

Notes:

[1] Trip length for Home-Work trips are based on the division of daily VMT and daily trips.

[2] Trip lengths for Work-Other and Other-Other trips are based on CalEEMod® defaults.

[3] Total daily trips for each land use are based on Project-specific data provided by Fehr & Peers. The trips were split into trip types based on CalEEMod® default trip type distribution.

[4] Daily VMT for Home-Work trips are based on Project-specific data provided by Fehr & Peers.

[5] Daily VMT estimated as a product of average trip length and number of trips presented in this table.

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel

VMT - vehicle miles traveled

yr - year

APPENDIX D
AERMOD INPUTS

Table D-1. Modeled Source Parameters - Construction Area Sources
Pacific Gateway
San Joaquin County, California

Source Parameters	Construction Equipment[1]
Source Type	Areapoly
Initial Vertical Dimension (m)	1.4
Release Height (m)	5.0

Notes:

[1] Offroad construction equipment should be modeled as area sources. Kyle Melching of SJVAPCD confirmed this approach on February 3, 2025. The initial vertical dimensions and release height of construction equipment sources are based on SCAQMD LST Methodology.

Abbreviations:

LST - Local Significance Threshold

m - meters

SCAQMD - South Coast Air Quality Management District

SJVAPCD - San Joaquin Valley Air Pollution Control District

References:

SCAQMD, 2008, Final Localized Significance Threshold Methodology. Available at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf?sfvrsn=2. Accessed: January 2025.

Table D-2. Modeled Source Parameters - Construction Line-Volume Sources
Pacific Gateway
San Joaquin County, California

Source Parameters	Construction Truck Travel
Source Type	Line-Volume
Plume Width[1] (m)	3.66
Plume Height[2] (m)	6.22
Release Height[3] (m)	1.83

Notes:

[1] Plume width is equal to SJVAPCD recommended value of 12 feet (3.66 meters) for truck width. Kyle Melching of SJVAPCD confirmed this value on January 27, 2025.

[2] The plume height for construction trucks is assumed to be equal to 1.7 times the vehicle height. Vehicle height assumed to be double the release height, based on the USEPA Transportation Conformity Guidance. Available at https://nepis.epa.gov/Exe/ZyPdf.cgi?Dockey=P100NN22.pdf. Accessed: January 2025.

[3] Release height for delivery trucks is equal to SJVAPCD recommended value of 6 feet for truck height. Kyle Melching of SJVAPCD confirmed this value on January 27, 2025.

Abbreviations:

m - meters

SJVAPCD - San Joaquin Valley Air Pollution Control District

USEPA - United States Environmental Protection Agency

References:

SJVAPCD. 2006. Guidance for Air Dispersion Modeling. Available at: https://www.valleyair.org/busind/pto/Tox_Resources/Modeling%20Guidance.pdf. Accessed: January 2025.

USEPA. 2015. Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas Appendices. November. Available at: https://nepis.epa.gov/Exe/ZyPdf.cgi?Dockey=P100NN22.pdf. Accessed: January 2025.

Table D-3. Modeled Source Parameters - Operational Point Sources
Pacific Gateway
San Joaquin County, California

Source Group ID	Description	Stack Height (m)	Stack Temperature (K)	Exit Velocity (m/s)	Stack Diameter (m)	Emission Rate (g/s)
LOADING[1]	FF Loading Emissions	3.66	291	0.001	0.0508	1
BREATH[1]	FF Breathing Emissions	3.66	289	0.001	0.0508	1
TRUIDLE[2]	TRU Idling Emissions	3.96	501	49.0	0.044	1
T_IDLE[2]	Delivery Truck Idling Emissions	3.84	366	51.7	0.100	1
GEN	Diesel Generator	3.66	740	45.3	0.183	1

Notes:

[1] Stack parameters are based on CAPCOA Gasoline Service Station Industrywide Risk Assessment Guidelines. Available at: https://ww2.arb.ca.gov/sites/default/files/2022-03/Draft%202022%20Gas%20Station%20IWG%20-%20Technical%20Guidance_ADA%20Compliant.pdf. Accessed: January 2025.

[2] Stack parameters are based on the draft SJVAPCD HRA guidance. Kyle Melching of SJVAPCD confirmed this value on October 26, 2023.

[3] Diesel generator source parameters based on prime or standby generator parameters from Table 10 of BAAQMD Air Quality Guidelines Appendix E: Recommended Methods For Screening and Modeling Local Risks and Hazards. Available at https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/appendix-e-recommended-methods-for-screening-and-modeling-local-risks-and-hazards_final-pdf.pdf?la=en. Accessed: January 2025.

Abbreviations:

BAAQMD - Bay Area Air Quality Management District

CAPCOA - California Air Pollution Control Officers Association

g - grams

FF - fueling facility

HRA - health risk assessment

K - Kelvin

m - meters

s - second

SJVAPCD - San Joaquin Valley Air Pollution Control District

TRU - Transport Refrigeration Unit

Table D-4. Modeled Source Parameters - Operational Volume Sources
Pacific Gateway
San Joaquin County, California

Source Group ID	Description	Release Height[2] (m)	Initial Lateral Dimension, Sigma Y[3,4] (m)	Initial Vertical Dimension, Sigma Z (m)	Emission Rate (g/s)
REFILL[1]	Refueling and Hose Permeation	1.50	3.02	1.86	1
SPILL[1]	Spillage	1.00	3.02	1.86	1
WH_GC, WH_IP, WH_PGC, WH_PGE	Warehouse Operational Equipment[2]	7.4	4.65	6.88	1

Notes:

[1] Release height, initial lateral dimension, and initial vertical dimension are based on CAPCOA Gasoline Service Station Industrywide Risk Assessment Guidelines. Available at: https://ww2.arb.ca.gov/sites/default/files/2022-03/Draft%202022%20Gas%20Station%20IWG%20-%20Technical%20Guidance_ADA%20Compliant.pdf. Accessed: January 2025.

[2] Warehouse Operational Equipment release height is modeled as half of the building height on the corresponding building footprint. The lowest building heights from the Initial Phase site plan is used. The initial vertical dimension is modeled as the building height divided by 2.15 based on the AERMOD User's Guide. Available at: https://gaftp.epa.gov/Air/aqmg/SCRAM/models/preferred/aermod/aermod_userguide.pdf. Accessed: January 2025.

[3] Since each of the modeled warehouse building is less than 5 acres, Warehouse Operational Equipment is modeled as adjacent 10 by 10 meter volume sources based on SCAQMD LST methodology. Available at: http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-lst-methodology-document.pdf?sfvrsn=2. Accessed: January 2025.

[4] The initial lateral dimension is modeled as the length of side divided by 2.15 for adjacent volume sources, and divided by 4.3 for single volume sources, based on the AERMOD User's Guide. Available at: https://gaftp.epa.gov/Air/aqmg/SCRAM/models/preferred/aermod/aermod_userguide.pdf. Accessed: January 2025.

Abbreviations:

CAPCOA - California Air Pollution Control Officers Association

g/s - grams per second

LST - Local Significance Threshold

m - meters

SCAQMD - South Coast Air Quality Management District

Table D-5. Modeled Source Parameters - Operational Line-Volume Sources
Pacific Gateway
San Joaquin County, California

Source Parameters	Delivery Truck Travel
Source Type	Line-Volume
Initial Lateral Dimensions[1] (m)	3.66
Initial Vertical Dimensions[2] (m)	6.22
Release Height[3] (m)	1.83

Notes:

[1] The initial lateral dimensions, or plume width, is equal to SJVAPCD recommended value of 12 feet for truck width. Kyle Melching of SJVAPCD confirmed this value on January 27, 2025.

[2] The initial vertical dimensions, or plume height, for construction trucks is assumed to be equal to 1.7 times the vehicle height. Vehicle height assumed to be double the release height, based on the USEPA Transportation Conformity Guidance. Available at https://nepis.epa.gov/Exe/ZyPdf.cgi?Dockey=P100NN22.pdf. Accessed January 2025.

[3] Release height for delivery trucks is equal to SJVAPCD recommended value of 6 feet for truck height. Kyle Melching of SJVAPCD confirmed this value on January 27, 2025.

Abbreviations:

m - meters

SJVAPCD - San Joaquin Valley Air Pollution Control District

USEPA - United States Environmental Protection Agency

References:

SJVAPCD. 2006. Guidance for Air Dispersion Modeling. Available at: https://www.valleyair.org/busind/pto/Tox_Resources/Modeling%20Guidance.pdf. Accessed: January 2025.

USEPA. 2015. Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas Appendices. November. Available at: https://nepis.epa.gov/Exe/ZyPdf.cgi?Dockey=P100NN22.pdf. Accessed: January 2025.

Table D-6. Modeled Source Parameters - Operational Line-Area Sources
Pacific Gateway
San Joaquin County, California

Source Parameters	TRU Off-Site Travel[2]
Source Type	Line-Area
Width[1] (m)	3.3 per lane
Top of Plume Height (m)	6.80
Initial Vertical Dimension (m)	3.16
Release Height (m)	3.40

Notes:

[1] Road width is estimated as a product of the number of lanes and width of a lane. The width of the lane is defined as 3.3 meters based on the USEPA Transportation Conformity Guidance. Available at https://nepis.epa.gov/Exe/ZyPdf.cgi?Dockey=P100NN22.pdf. Accessed: January 2025.

[2] TRU travel source parameters are based on Appendix I to the Proposed Amendments to the ATCM Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate, Table II.G.4. AERMOD Source Inputs - Cold Storage Warehouse. Available at: https://ww2.arb.ca.gov/sites/default/files/barcu/board/rulemaking/tru2021/appi.pdf. Accessed: January 2025.

Abbreviations:

CARB - California Air Resources Board

ATCM - Airborne Toxics Control Measure

m - meters

TRU - Transport Refrigeration Unit

USEPA - United States Environmental Protection Agency

References:

USEPA. 2015. Transportation Conformity Guidance for Quantitative Hot-spot Analyses in $PM_{2.5}$ and PM_{10} Nonattainment and Maintenance Areas Appendices. November. Available at: https://nepis.epa.gov/Exe/ZyPdf.cgi?Dockey=P100NN22.pdf. Accessed: January 2025.

CARB, 2021. Appendix I to the Proposed Amendments to the ATCM Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate, Table II.F.4. AERMOD Source Inputs - Grocery Store. Available at: https://ww2.arb.ca.gov/sites/default/files/barcu/board/rulemaking/tru2021/appi.pdf. Accessed: January 2025.

APPENDIX E
INITIAL BUILDOUT - HEALTH RISK ASSESSMENT EMISSION CALCULATIONS

Table E-1. Initial Buildout - Traffic Volumes and Vehicle Miles Traveled on Modeled Roadways
Pacific Gateway
San Joaquin County, California

Source	Source Group ID	Road Segment ID	Total Daily Trip Rate	Total Annual Trip Rates[2] (one-way trips/year)	Segment Length[3] (meters)	Segment Length (miles)	Annual VMT[4] (miles/year)
Trucks	T_11	--	1,375	501,875	164.9	0.10	51,434
Trucks	T_12	--	1,375	501,875	174.0	0.11	54,250
Trucks	T_13	--	1,375	501,875	219.4	0.14	68,426
Trucks	T_14	--	1,375	501,875	123.7	0.08	38,590
Trucks	T_24	--	1,375	501,875	551.2	0.34	171,882
Trucks	T_25	--	1,375	501,875	405.4	0.25	126,412
Trucks	T_26	--	1,375	501,875	809.7	0.50	252,503
Trucks	T_27	--	2,520	919,800	658.0	0.41	376,048
TRUs	TRU_11	TRU_11_1	69	25,094	164.9	0.10	2,572
TRUs	TRU_12	TRU_12_1	69	25,094	174.0	0.11	2,713
TRUs	TRU_13	TRU_13_1	69	25,094	219.4	0.14	3,421
TRUs	TRU_14	TRU_14_1	69	25,094	123.7	0.08	1,930
TRUs	TRU_24	TRU_24_1	69	25,094	551.2	0.34	8,594
TRUs	TRU_25	TRU_25_1	69	25,094	405.4	0.25	6,321
TRUs	TRU_26	TRU_26_1	69	25,094	809.7	0.50	12,625
TRUs	TRU_27	TRU_27_1	126	45990	658.0	0.41	18,802

Notes:

[1] See Figure 2 for a graphic representation of the modeled sources.

[2] Trip rates based on Project-specific data provided by Fehr & Peers. TRUs are assumed to be present with 5% of truck trips.

[3] Segment length based on modeled source length in AERMOD.

[4] VMT is calculated as the product of the segment length and the total number of annual one-way trips.

Abbreviations:

AERMOD - American Meteorological Society/Environmental Protection Agency Regulatory Model

TRU - Transportation refrigeration unit

VMT - Vehicle miles traveled

Table E-2. Initial Buildout - Diesel Particulate Matter Emission Factors
Pacific Gateway
San Joaquin County, California

EMFAC Vehicle Class	Fuel	Speed	Year	EMFAC VMT Output[1] (miles/day)	DPM Emission Factor[2]		
					Running Exhaust[3] (g/mile)	Truck Idle Exhaust[4] (g/idle-minute)	TRU Idle Exhaust[5] (g/idle-minute)
HHDT	Diesel	5	2032	545	--	1.80E-04	0.0035
HHDT	Diesel	10	2032	8,950	--	--	--
HHDT	Diesel	15	2032	20,448	--	--	--
HHDT	Diesel	20	2032	43,512	--	--	--
HHDT	Diesel	25	2032	24,539	--	--	--
HHDT	Diesel	30	2032	26,965	0.006	--	--
HHDT	Diesel	35	2032	30,792	0.007	--	--
HHDT	Diesel	40	2032	37,519	0.009	--	--
HHDT	Diesel	45	2032	41,166	0.012	--	--
HHDT	Diesel	50	2032	48,709	0.016	--	--
HHDT	Diesel	55	2032	77,708	0.021	--	--
Diesel HHDT Emission Factor					**0.012**	**1.80E-04**	**0.004**

Notes:

[1] Data obtained from EMFAC2021 output for HHDT diesel vehicle default emissions activity.

[2] For purposes of this analysis, DPM emissions are assumed to be equal to PM_{10} exhaust emissions from diesel vehicles.

[3] Off-site running exhaust emission factor is based on EMFAC2021 emission rate output for 30 to 55 mph, per SJVAPCD draft guidance.

[4] Emission factor was obtained from the default EMFAC2021 project-level output for San Joaquin County in calendar year 2032.

[5] TRU Idle exhaust based on an emission rate of 0.21 g per hr, per SJVAPCD draft guidance.

Conversion Factors:

60 min/hr
907,185 g/ton

Abbreviations:

DPM - diesel particulate matter
EMFAC - EMission FACtor model
g - gram
HHDT - Heavy heavy-duty truck
hr - hour
mph - miles per hour
PM_{10} - particulate matter less than 10 microns in diameter
SJVAPCD - San Joaquin Valley Air Pollution Control District
TRU - Transportation Refrigeration Unit
VMT - vehicle miles travelled

Table E-2. Initial Buildout - Diesel Particulate Matter Emission Factors
Pacific Gateway
San Joaquin County, California

min - minute

Table E-3. Initial Buildout - Delivery Truck Emissions
Pacific Gateway
San Joaquin County, California

Source Group ID[1]	Modeled Roadway Link	Project VMT[2] (miles)	Idle Duration[3] (minutes/round trip)	DPM Exhaust Emissions[4,5]	
		Annual		Annual (lb/year)	Emissions Rate (g/s)
T_11	--	51,434	--	1.34E+00	1.93E-05
T_12	--	54,250	--	1.41E+00	2.03E-05
T_13	--	68,426	--	1.78E+00	2.57E-05
T_14	--	38,590	--	1.01E+00	1.45E-05
T_24	--	171,882	--	4.48E+00	6.45E-05
T_25	--	126,412	--	3.30E+00	4.74E-05
T_26	--	252,503	--	6.58E+00	9.47E-05
T_27	--	376,048	--	9.80E+00	1.41E-04
T_I_IP	On-Site Idling	--	15	1.94E+00	2.79E-05

Notes:

[1] See Figure 2 for a graphic representation of the modeled sources.

[2] Data was obtained from Table E-1.

[3] Idling duration is based on SJVAPCD's Draft HRA Guidance provided to Ramboll by Kyle Melching (SJVAPCD) on August 4, 2021.

[4] DPM running exhaust emissions were calculated using the emission factors from Table E-2 along with Project VMT and trips.

[5] DPM emissions for on-site vehicle idling were estimated using the number of round trips (i.e., half of the one-way trips) and DPM idling exhaust emission factor from Table E-2.

Conversion Factor:

453.59	g/lb
365	days/year
24	hours/day
60	minutes/hour
60	seconds/minute

Abbreviations:

DPM - diesel particulate matter
g - gram
HRA - health risk assessment
lb - pound
s - second
SJVAPCD - San Joaquin Valley Air Pollution Control District
TRU - Transportation Refrigeration Unit
VMT - vehicle miles traveled

Table E-4. Initial Buildout - TRU Emission Calculations
Pacific Gateway
San Joaquin County, California

Emission Factor[1,2] (g/bhp-hr)	PM_{10}
	0.02

Modeled Roadway Link	Modeled Roadway Link	Annual VMT (miles/year)	Idle Duration[3] (minutes/round trip)	Annual Average TRU Emissions (lb/year)	TRU Emissions Rate (g/s)
				PM_{10}	PM_{10}
TRU_11_1	TRU_11	2,572	--	0.05	7.85E-07
TRU_12_1	TRU_12	2,713	--	0.06	8.28E-07
TRU_13_1	TRU_13	3,421	--	0.07	1.04E-06
TRU_14_1	TRU_14	1,930	--	0.04	5.89E-07
TRU_24_1	TRU_24	8,594	--	0.18	2.62E-06
TRU_25_1	TRU_25	6,321	--	0.13	1.93E-06
TRU_26_1	TRU_26	12,625	--	0.27	3.85E-06
TRU_27_1	TRU_27	18,802	--	0.40	5.74E-06
TRUI_IP	TRUI_IP	--	30	75.37	1.08E-03

Constants:

Horsepower [4]	50	bhp
Load Factor [5]	0.38	
TRU Idling Duration [6]	15	min
Travel Speed[7]	30	miles/hr

Notes:

[1] Emission factors obtained from OFFROAD2021 emissions output for Calendar Year 2029, Transportation Refrigeration Unit - Instate Trailer and Transportation Refrigeration Unit - Out-Of-State Trailer in San Joaquin (SJV) County.

[2] SO_X emission factors based on sulfur content of ultra-low sulfur diesel fuel (15 ppm) and fuel consumption from

[3] Approximately 5% of warehouse delivery trucks are equipped with TRUs.

[4] Horsepower is based on SJVAPCD's Draft HRA Guidance provided to Ramboll by Kyle Melching (SJVAPCD) on August 4, 2021. Appendix section 2.3.1 Transportation Refrigeration unit (TRU), Modeling Parameters.

[5] Load factor obtained from CARB Draft 2019 Update to Emissions Inventory for Transport Refrigeration Units, for TRUs Over 25 hp, 2013 and newer. Available at: https://ww2.arb.ca.gov/sites/default/files/classic/cc/cold-storage/documents/hra_emissioninventory2019.pdf. Accessed: January 2024.

[6] On-site TRU operational duration is based on SJVAPCD's Draft HRA Guidance provided to Ramboll by Kyle Melching (SJVAPCD) on August 4, 2021.

[7] TRU On-Road Duration is based on the segment length and travel speed for each roadway. Travel speed is assumed to be 30 miles per hour. Assumptions are based on Table II.G.1 of CARB Proposed Amendments to the Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate. Available at: https://ww2.arb.ca.gov/sites/default/files/barcu/board/rulemaking/tru2021/appi.pdf. Accessed: January 2025.

Table E-4. Initial Buildout - TRU Emission Calculations
Pacific Gateway
San Joaquin County, California

Modeled Roadway Link	Modeled Roadway Link	Annual VMT (miles/year)	Idle Duration[3] (minutes/round trip)	Annual Average TRU Emissions (lb/year)	TRU Emissions Rate (g/s)
				PM_{10}	PM_{10}

Notes: *(Continued)*

Conversion Factors:

453.59	g/lb
1,000,000	g/MT
60	min/hr
365	day/year
2,000	lb/ton
60	s/min
24	hr/day

Abbreviations:

bph - brake horsepower
CARB - California Air Resources Board
CO - carbon monoxide
g - gram
hp - horsepower
hr - hour
HRA - health risk assessment
lb - pound
min - minute
MT - metric ton
PM_{10} - particulate matter less than 10 microns in diameter
ppm - parts per million
s - second
SJVAPCD - San Joaquin Valley Air Pollution Control District
TRU - Transportation Refrigeration Unit
VMT - vehicle miles travelled

Table E-5. Initial Buildout - Generator Emissions
Pacific Gateway
San Joaquin County, California

Operating Parameters[1]

Parameter	Value	Unit
Maximum Operation Schedule[1]	200	hours/engine/yr
Diesel Consumption Rate[2]	39.9	gal/hr
	7,973	gal/yr
Liquid Fuel Consumption Factor[3]	5.11E-05	Mgal/bhp-hr
Fuel Consumption Rate (calculated)	1.96	MMBtu/hr

Emissions[2]

Pollutant	Provided EF (lb/hp-hr)[4]	Brake Horsepower EF (lb/bhp-hr)	Fuel EF (lb/gal)	Emissions (lb/hr)	Emissions (lb/yr)	Emissions (g/s)
Diesel Particulate Matter	2.20E-03	2.17E-03	0.0425	1.69	338	4.87E-03

Notes:

[1] Emergency generator hours per year taken from SJVAPCD Rule 4701 Section 3.22, which states that "Any internal combustion engine used exclusively for non-utility electric power generation or any other emergency engine, approved by the APCO, and limited by permit condition to operate no more than 200 hours per calendar year for non-emergency purposes and not used in conjunction with any voluntary utility demand reduction program." Available at: https://ww2.valleyair.org/media/1danj2d0/rule-4701.pdf. Accessed: February 2025.

[2] Expected diesel consumption rate taken as an average of similar units.

[3] Liquid fuel consumption factor from Table 1 in AQMD Guidelines for Calculating Emissions form Internal Combustion Engines. https://www.aqmd.gov/docs/default-source/planning/annual-emission-reporting/guidelines-for-calculating-emissions-from-internal-combustion-engines.pdf?sfvrsn=6. Accessed: February 2025.

[4] AP-42 emission factors obtained from Table 3-3-1 of AP-42 Section 3.3: Gasoline and Diesel Industrial Engines. Available at: https://www3.epa.gov/ttn/chief/ap42/ch03/final/c03s03.pdf. Accessed: February 2025.

Conversion Factors:

5.11E-05	Mgal/bhp-hr, liquid fuel consumption factor[4]
365	days/yr
0.001	Mgal/gal
0.986	hp/bhp
398.4658	bhp/MMBtu/hr
24	hr/day
60	min/hr
60	s/min

Abbreviations/Acronyms:

APCO -	lb - pound
bhp - brake-horsepower	Mgal - 1,000 gallons
EF -	min - minute
g - gram	MMBtu - million British thermal units
gal - gallon	s - second
hp - horsepower	SJVAPCD - San Joaquin Valley Air Pollution Control District
hr - hour	yr - year

APPENDIX F
FULL BUILDOUT - HEALTH RISK ASSESSMENT EMISSION CALCULATIONS

Table F-1. Full Buildout - Traffic Volumes and Vehicle Miles Traveled on Modeled Roadways
Pacific Gateway
San Joaquin County, California

Source	Source Group ID	Road Segment ID	Total Daily Trip Rate	Total Annual Trip Rates[2] (one-way trips/year)	Segment Length[3] (meters)	Segment Length (miles)	Annual VMT[4] (miles/year)
Trucks	T_5	--	360	131,400	301.3	0.19	24,601
Trucks	T_7	--	2,040	744,600	365.9	0.23	169,310
Trucks	T_7	--	2,040	744,600	192.2	0.12	88,929
Trucks	T_7	--	2,040	744,600	126.3	0.08	58,450
Trucks	T_7	--	2,040	744,600	455.3	0.28	210,651
Trucks	T_7	--	2,040	744,600	1031.0	0.64	477,008
Trucks	T_7	--	2,040	744,600	206.5	0.13	95,550
Trucks	T_8	--	360	131,400	527.9	0.33	43,102
Trucks	T_9	--	640	233,600	71.5	0.04	10,374
Trucks	T_9	--	640	233,600	367.7	0.23	53,375
Trucks	T_9	--	640	233,600	277.9	0.17	40,345
Trucks	T_9	--	640	233,600	972.5	0.60	141,154
Trucks	T_9	--	640	233,600	130.0	0.08	18,872
Trucks	T_10	--	3,608	1,316,920	158.0	0.10	129,280
Trucks	T_10	--	3,608	1,316,920	87.1	0.05	71,267
Trucks	T_10	--	3,608	1,316,920	502.5	0.31	411,208
Trucks	T_10	--	3,608	1,316,920	297.5	0.18	243,438
Trucks	T_10	--	3,608	1,316,920	688.2	0.43	563,119
Trucks	T_10	--	3,608	1,316,920	260.4	0.16	213,099
Trucks	T_11	--	8,456	3,086,440	164.9	0.10	316,311
Trucks	T_12	--	8,456	3,086,440	174.0	0.11	333,630
Trucks	T_13	--	8,456	3,086,440	219.4	0.14	420,809
Trucks	T_14	--	8,456	3,086,440	123.7	0.08	237,322
Trucks	T_15	--	840	306,600	740.6	0.46	141,094
Trucks	T_15	--	840	306,600	168.4	0.10	32,086
Trucks	T_15	--	840	306,600	276.1	0.17	52,605
Trucks	T_15	--	840	306,600	251.3	0.16	47,873
Trucks	T_15	--	840	306,600	270.7	0.17	51,581
Trucks	T_16	--	1,332	486,180	1352.2	0.84	408,495
Trucks	T_17	--	1,332	486,180	237.0	0.15	71,607
Trucks	T_17	--	1,332	486,180	73.3	0.05	22,145
Trucks	T_17	--	1,332	486,180	712.3	0.44	215,174
Trucks	T_18	--	2,160	788,400	705.2	0.44	345,456
Trucks	T_18	--	2,160	788,400	334.5	0.21	163,859
Trucks	T_19	--	2,160	788,400	1198.1	0.74	586,945
Trucks	T_19	--	2,160	788,400	268.0	0.17	131,280
Trucks	T_19	--	2,160	788,400	128.1	0.08	62,744
Trucks	T_19	--	2,160	788,400	71.6	0.04	35,062
Trucks	T_20	--	1,560	569,400	169.5	0.11	59,978
Trucks	T_21	--	1,560	569,400	273.5	0.17	96,759
Trucks	T_21	--	1,560	569,400	89.7	0.06	31,744
Trucks	T_21	--	1,560	569,400	172.2	0.11	60,942
Trucks	T_21	--	1,560	569,400	204.1	0.13	72,216
Trucks	T_21	--	1,560	569,400	283.7	0.18	100,391
Trucks	T_21	--	1,560	569,400	183.2	0.11	64,818
Trucks	T_21	--	1,560	569,400	110.2	0.07	38,998
Trucks	T_24	--	2,704	986,960	551.2	0.34	338,013
Trucks	T_25	--	2,704	986,960	405.4	0.25	248,595
Trucks	T_26	--	2,704	986,960	809.7	0.50	496,558
Trucks	T_27	--	2,704	986,960	658.0	0.41	403,505
Trucks	T_28	--	1,560	569,400	57.6	0.04	20,372
TRUs	TRU_5	TRU_5_1	18	6,570	301.3	0.19	1,230
TRUs	TRU_7	TRU_7_1	102	37,230	365.9	0.23	8,466

Table F-1. Full Buildout - Traffic Volumes and Vehicle Miles Traveled on Modeled Roadways
Pacific Gateway
San Joaquin County, California

Source	Source Group ID	Road Segment ID	Total Daily Trip Rate	Total Annual Trip Rates[2] (one-way trips/year)	Segment Length[3] (meters)	Segment Length (miles)	Annual VMT[4] (miles/year)
TRUs	TRU_7	TRU_7_2	102	37,230	192.2	0.12	4,446
TRUs	TRU_7	TRU_7_3	102	37,230	126.3	0.08	2,923
TRUs	TRU_7	TRU_7_4	102	37,230	455.3	0.28	10,533
TRUs	TRU_7	TRU_7_5	102	37,230	1031.0	0.64	23,850
TRUs	TRU_7	TRU_7_6	102	37,230	206.5	0.13	4,778
TRUs	TRU_8	TRU_8_1	18	6,570	527.9	0.33	2,155
TRUs	TRU_9	TRU_9_1	32	11,680	71.5	0.04	519
TRUs	TRU_9	TRU_9_2	32	11,680	367.7	0.23	2,669
TRUs	TRU_9	TRU_9_3	32	11,680	277.9	0.17	2,017
TRUs	TRU_9	TRU_9_4	32	11,680	972.5	0.60	7,058
TRUs	TRU_9	TRU_9_5	32	11,680	130.0	0.08	944
TRUs	TRU_10	TRU_10_1	180	65,846	158.0	0.10	6,464
TRUs	TRU_10	TRU_10_2	180	65,846	87.1	0.05	3,563
TRUs	TRU_10	TRU_10_3	180	65,846	502.5	0.31	20,560
TRUs	TRU_10	TRU_10_4	180	65,846	297.5	0.18	12,172
TRUs	TRU_10	TRU_10_5	180	65,846	688.2	0.43	28,156
TRUs	TRU_10	TRU_10_6	180	65,846	260.4	0.16	10,655
TRUs	TRU_11	TRU_11_1	423	154,322	164.9	0.10	15,816
TRUs	TRU_12	TRU_12_1	423	154,322	174.0	0.11	16,681
TRUs	TRU_13	TRU_13_1	423	154,322	219.4	0.14	21,040
TRUs	TRU_14	TRU_14_1	423	154,322	123.7	0.08	11,866
TRUs	TRU_15	TRU_15_1	42	15,330	740.6	0.46	7,055
TRUs	TRU_15	TRU_15_2	42	15,330	168.4	0.10	1,604
TRUs	TRU_15	TRU_15_3	42	15,330	276.1	0.17	2,630
TRUs	TRU_15	TRU_15_4	42	15,330	251.3	0.16	2,394
TRUs	TRU_15	TRU_15_5	42	15,330	270.7	0.17	2,579
TRUs	TRU_16	TRU_16_1	67	24,309	1352.2	0.84	20,425
TRUs	TRU_17	TRU_17_1	67	24,309	237.0	0.15	3,580
TRUs	TRU_17	TRU_17_2	67	24,309	73.3	0.05	1,107
TRUs	TRU_17	TRU_17_3	67	24,309	712.3	0.44	10,759
TRUs	TRU_18	TRU_18_1	108	39,420	705.2	0.44	17,273
TRUs	TRU_18	TRU_18_2	108	39,420	334.5	0.21	8,193
TRUs	TRU_19	TRU_19_1	108	39,420	1198.1	0.74	29,347
TRUs	TRU_19	TRU_19_2	108	39,420	268.0	0.17	6,564
TRUs	TRU_19	TRU_19_3	108	39,420	128.1	0.08	3,137
TRUs	TRU_19	TRU_19_4	108	39,420	71.6	0.04	1,753
TRUs	TRU_20	TRU_20_1	78	28,470	169.5	0.11	2,999
TRUs	TRU_21	TRU_21_1	78	28,470	273.5	0.17	4,838
TRUs	TRU_21	TRU_21_2	78	28,470	89.7	0.06	1,587
TRUs	TRU_21	TRU_21_3	78	28,470	172.2	0.11	3,047
TRUs	TRU_21	TRU_21_4	78	28,470	204.1	0.13	3,611
TRUs	TRU_21	TRU_21_5	78	28,470	283.7	0.18	5,020
TRUs	TRU_21	TRU_21_6	78	28,470	183.2	0.11	3,241
TRUs	TRU_21	TRU_21_7	78	28,470	110.2	0.07	1,950
TRUs	TRU_24	TRU_24_1	135	49,348	551.2	0.34	16,901
TRUs	TRU_25	TRU_25_1	135	49,348	405.4	0.25	12,430
TRUs	TRU_26	TRU_26_1	135	49,348	809.7	0.50	24,828
TRUs	TRU_27	TRU_27_1	135	49,348	658.0	0.41	20,175
TRUs	TRU_28	TRU_28_1	78	28,470	57.6	0.04	1,019

Notes:

[1] See Figure 2 for a graphic representation of the modeled sources.

[2] Trip rates based on Project-specific data provided by Fehr & Peers. TRUs are assumed to be present with 5% of truck trips.

Table F-1. Full Buildout - Traffic Volumes and Vehicle Miles Traveled on Modeled Roadways
Pacific Gateway
San Joaquin County, California

Source	Source Group ID	Road Segment ID	Total Daily Trip Rate	Total Annual Trip Rates[2] (one-way trips/year)	Segment Length[3] (meters)	Segment Length (miles)	Annual VMT[4] (miles/year)

[3] Segment length based on modeled source length in AERMOD.

[4] VMT is calculated as the product of the segment length and the total number of annual one-way trips.

Abbreviations:

AERMOD - American Meteorological Society/Environmental Protection Agency Regulatory Model

TRU - Transportation refrigeration unit

VMT - Vehicle miles traveled

Table F-2. Full Buildout - Diesel Particulate Matter Emission Factors
Pacific Gateway
San Joaquin County, California

EMFAC Vehicle Class	Fuel	Speed	Year[1]	EMFAC VMT Output[2] (miles/day)	DPM Emission Factor[3]		
					Running Exhaust[4] (g/mile)	Idle Exhaust[5] (g/idle-minute)	TRU Idle Exhaust[6] (g/idle-minute)
HHDT	Diesel	5	2050	379	--	1.68E-04	0.004
HHDT	Diesel	10	2050	11,290	--	--	--
HHDT	Diesel	15	2050	27,421	--	--	--
HHDT	Diesel	20	2050	48,684	--	--	--
HHDT	Diesel	25	2050	33,108	--	--	--
HHDT	Diesel	30	2050	35,554	0.005	--	--
HHDT	Diesel	35	2050	40,488	0.006	--	--
HHDT	Diesel	40	2050	50,053	0.008	--	--
HHDT	Diesel	45	2050	55,130	0.011	--	--
HHDT	Diesel	50	2050	66,423	0.015	--	--
HHDT	Diesel	55	2050	109,105	0.020	--	--
Diesel HHDT Emission Factor[4]					**0.011**	**1.68E-04**	**0.004**

Constants:

TRU idle exhaust rate[6] 0.21 g/hr

Notes:

[1] The furthest future year for which EMFAC outputs are available is 2050.

[2] Data obtained from EMFAC2021 output for HHDT diesel vehicle default emissions activity.

[3] For purposes of this analysis, DPM emissions are assumed to be equal to PM_{10} exhaust emissions from diesel vehicles.

[4] Off-site running exhaust emission factor is based on EMFAC2021 emission rate output for 30 to 55 mph, per SJVAPCD draft guidance.

[5] Truck idling emission factor was obtained from the default EMFAC2021 project-level output for San Joaquin County in calendar year 2050.

[6] TRU Idle exhaust based on an emission rate of 0.21 g per hr, per SJVAPCD draft guidance.

Conversion Factors:

60 min/hr
907,185 g/ton

Abbreviations:

DPM - diesel particulate matter
EMFAC - EMission FACtors model
g - grams
hr - hours
min - minutes
mph - miles per hour
SJVAPCD - San Joaquin Valley Air Pollution Control District
TRU - Transportation Refrigeration Unit
VMT - vehicle miles travelled

Table F-2. Full Buildout - Diesel Particulate Matter Emission Factors
Pacific Gateway
San Joaquin County, California

HHDT - Heavy heavy-duty truck

PM_{10} - particulate matter less than 10 microns in diameter

Table F-3. Full Buildout - Delivery Truck Emissions
Pacific Gateway
San Joaquin County, California

Source Group ID[1]	Modeled Roadway Link	Project VMT[2] (miles)	Idle Duration[3] (minutes/round trip)	DPM Exhaust Emissions[4,5]	
		Annual		Annual (lb/year)	Emission Rate (g/s)
T_5	--	24,601	--	5.73E-01	8.24E-06
T_7	--	169,310	--	3.94E+00	5.67E-05
T_7	--	88,929	--	2.07E+00	2.98E-05
T_7	--	58,450	--	1.36E+00	1.96E-05
T_7	--	210,651	--	4.91E+00	7.06E-05
T_7	--	477,008	--	1.11E+01	1.60E-04
T_7	--	95,550	--	2.23E+00	3.20E-05
T_8	--	43,102	--	1.00E+00	1.44E-05
T_9	--	10,374	--	2.42E-01	3.47E-06
T_9	--	53,375	--	1.24E+00	1.79E-05
T_9	--	40,345	--	9.40E-01	1.35E-05
T_9	--	141,154	--	3.29E+00	4.73E-05
T_9	--	18,872	--	4.39E-01	6.32E-06
T_10	--	129,280	--	3.01E+00	4.33E-05
T_10	--	71,267	--	1.66E+00	2.39E-05
T_10	--	411,208	--	9.58E+00	1.38E-04
T_10	--	243,438	--	5.67E+00	8.15E-05
T_10	--	563,119	--	1.31E+01	1.89E-04
T_10	--	213,099	--	4.96E+00	7.14E-05
T_11	--	316,311	--	7.37E+00	1.06E-04
T_12	--	333,630	--	7.77E+00	1.12E-04
T_13	--	420,809	--	9.80E+00	1.41E-04
T_14	--	237,322	--	5.53E+00	7.95E-05
T_15	--	141,094	--	3.29E+00	4.73E-05
T_15	--	32,086	--	7.47E-01	1.07E-05
T_15	--	52,605	--	1.23E+00	1.76E-05
T_15	--	47,873	--	1.11E+00	1.60E-05
T_15	--	51,581	--	1.20E+00	1.73E-05
T_16	--	408,495	--	9.51E+00	1.37E-04
T_17	--	71,607	--	1.67E+00	2.40E-05
T_17	--	22,145	--	5.16E-01	7.42E-06
T_17	--	215,174	--	5.01E+00	7.21E-05
T_18	--	345,456	--	8.04E+00	1.16E-04
T_18	--	163,859	--	3.82E+00	5.49E-05
T_19	--	586,945	--	1.37E+01	1.97E-04
T_19	--	131,280	--	3.06E+00	4.40E-05
T_19	--	62,744	--	1.46E+00	2.10E-05
T_19	--	35,062	--	8.17E-01	1.17E-05
T_20	--	59,978	--	1.40E+00	2.01E-05
T_21	--	96,759	--	2.25E+00	3.24E-05
T_21	--	31,744	--	7.39E-01	1.06E-05
T_21	--	60,942	--	1.42E+00	2.04E-05
T_21	--	72,216	--	1.68E+00	2.42E-05
T_21	--	100,391	--	2.34E+00	3.36E-05
T_21	--	64,818	--	1.51E+00	2.17E-05
T_21	--	38,998	--	9.08E-01	1.31E-05
T_24	--	338,013	--	7.87E+00	1.13E-04

Table F-3. Full Buildout - Delivery Truck Emissions
Pacific Gateway
San Joaquin County, California

Source Group ID[1]	Modeled Roadway Link	Project VMT[2] (miles)	Idle Duration[3] (minutes/round trip)	DPM Exhaust Emissions[4,5]	
		Annual		Annual (lb/year)	Emission Rate (g/s)
T_25	--	248,595	--	5.79E+00	8.33E-05
T_26	--	496,558	--	1.16E+01	1.66E-04
T_27	--	403,505	--	9.40E+00	1.35E-04
T_28	--	20,372	--	4.74E-01	6.82E-06
T_I_PGW	On-Site Idling	--	15	2.82E+00	4.05E-05
T_I_PGC	On-Site Idling	--	15	3.13E+00	4.50E-05
T_I_PGE	On-Site Idling	--	15	5.08E+00	7.31E-05
T_I_GC	On-Site Idling	--	15	1.28E+00	1.84E-05

Notes:

[1] See Figure 2 for a graphic representation of the modeled sources.

[2] Data was obtained from Table F-1.

[3] Idling duration is based on SJVAPCD's Draft HRA Guidance provided to Ramboll by Kyle Melching (SJVAPCD) on August 4, 2021.

[4] DPM running exhaust emissions were calculated using the emission factors from Table F-2 along with Project VMT and trips.

[5] DPM emissions for on-site vehicle idling were estimated using the number of round trips (i.e., half of the one-way trips) and DPM idling exhaust emission factor from Table F-2.

Conversion Factor:

453.59	g/lb
365	days/year
24	hours/day
60	minutes/hour
60	seconds/minute

Abbreviations:

CalEEMod® - CALifornia Emissions Estimator MODel
DPM - diesel particulate matter
g - grams
lb - pounds
VMT - vehicle miles traveled
yr - year
SJVAPCD - San Joaquin Valley Air Pollution Control District

Table F-4. Full Buildout - TRU Emission Calculations
Pacific Gateway
San Joaquin County, California

Emission Factor[1,2] (g/bhp-hr)	PM_{10}
	0.01

Modeled Roadway Link	Source Group ID	Annual VMT[3] (miles/year)	Idle Duration[3] (minutes/round trip)	Annual Average TRU Emissions (lb/year)	TRU Emissions Rate (g/s)
				PM_{10}	PM_{10}
TRU_5_1	TRU_5	1,230	--	0.02	3.57E-07
TRU_7_1	TRU_7	8,466	--	0.17	2.46E-06
TRU_7_2	TRU_7	4,446	--	0.09	1.29E-06
TRU_7_3	TRU_7	2,923	--	0.06	8.48E-07
TRU_7_4	TRU_7	10,533	--	0.21	3.05E-06
TRU_7_5	TRU_7	23,850	--	0.48	6.92E-06
TRU_7_6	TRU_7	4,778	--	0.10	1.39E-06
TRU_8_1	TRU_8	2,155	--	0.04	6.25E-07
TRU_9_1	TRU_9	519	--	0.01	1.50E-07
TRU_9_2	TRU_9	2,669	--	0.05	7.74E-07
TRU_9_3	TRU_9	2,017	--	0.04	5.85E-07
TRU_9_4	TRU_9	7,058	--	0.14	2.05E-06
TRU_9_5	TRU_9	944	--	0.02	2.74E-07
TRU_10_1	TRU_10	6,464	--	0.13	1.87E-06
TRU_10_2	TRU_10	3,563	--	0.07	1.03E-06
TRU_10_3	TRU_10	20,560	--	0.41	5.96E-06
TRU_10_4	TRU_10	12,172	--	0.25	3.53E-06
TRU_10_5	TRU_10	28,156	--	0.57	8.17E-06
TRU_10_6	TRU_10	10,655	--	0.21	3.09E-06
TRU_11_1	TRU_11	15,816	--	0.32	4.59E-06
TRU_12_1	TRU_12	16,681	--	0.34	4.84E-06
TRU_13_1	TRU_13	21,040	--	0.42	6.10E-06
TRU_14_1	TRU_14	11,866	--	0.24	3.44E-06
TRU_15_1	TRU_15	7,055	--	0.14	2.05E-06
TRU_15_2	TRU_15	1,604	--	0.03	4.65E-07
TRU_15_3	TRU_15	2,630	--	0.05	7.63E-07
TRU_15_4	TRU_15	2,394	--	0.05	6.94E-07
TRU_15_5	TRU_15	2,579	--	0.05	7.48E-07
TRU_16_1	TRU_16	20,425	--	0.41	5.92E-06
TRU_17_1	TRU_17	3,580	--	0.07	1.04E-06
TRU_17_2	TRU_17	1,107	--	0.02	3.21E-07
TRU_17_3	TRU_17	10,759	--	0.22	3.12E-06
TRU_18_1	TRU_18	17,273	--	0.35	5.01E-06
TRU_18_2	TRU_18	8,193	--	0.17	2.38E-06
TRU_19_1	TRU_19	29,347	--	0.59	8.51E-06
TRU_19_2	TRU_19	6,564	--	0.13	1.90E-06
TRU_19_3	TRU_19	3,137	--	0.06	9.10E-07
TRU_19_4	TRU_19	1,753	--	0.04	5.08E-07
TRU_20_1	TRU_20	2,999	--	0.06	8.70E-07
TRU_21_1	TRU_21	4,838	--	0.10	1.40E-06
TRU_21_2	TRU_21	1,587	--	0.03	4.60E-07
TRU_21_3	TRU_21	3,047	--	0.06	8.84E-07
TRU_21_4	TRU_21	3,611	--	0.07	1.05E-06
TRU_21_5	TRU_21	5,020	--	0.10	1.46E-06

Table F-4. Full Buildout - TRU Emission Calculations
Pacific Gateway
San Joaquin County, California

Modeled Roadway Link	Source Group ID	Annual VMT[3] (miles/year)	Idle Duration[3] (minutes/round trip)	Annual Average TRU Emissions (lb/year)	TRU Emissions Rate (g/s)
				PM_{10}	PM_{10}
TRU_21_6	TRU_21	3,241	--	0.07	9.40E-07
TRU_21_7	TRU_21	1,950	--	0.04	5.65E-07
TRU_24_1	TRU_24	16,901	--	0.34	4.90E-06
TRU_25_1	TRU_25	12,430	--	0.25	3.60E-06
TRU_26_1	TRU_26	24,828	--	0.50	7.20E-06
TRU_27_1	TRU_27	20,175	--	0.41	5.85E-06
TRU_28_1	TRU_28	1,019	--	0.02	2.95E-07
TRUI_PGW	On-Site Idling	--	30	117.28	1.69E-03
TRUI_PGC	On-Site Idling	--	30	130.33	1.87E-03
TRUI_PGE	On-Site Idling	--	30	211.48	3.04E-03
TRUI_GC	On-Site Idling	--	30	53.40	7.68E-04

Notes:

[1] Emission factors obtained from OFFROAD2021 emissions output for Calendar Year 2029, Transportation Refrigeration Unit - Instate Trailer and Transportation Refrigeration Unit - Out-Of-State Trailer in San Joaquin (SJV) County.

[2] SO_X emission factors based on sulfur content of ultra-low sulfur diesel fuel (15 ppm) and fuel consumption from OFFROAD2021.

[3] Approximately 5% of warehouse delivery trucks are equipped with TRUs.

[4] Horsepower is based on SJVAPCD's Draft HRA Guidance provided to Ramboll by Kyle Melching (SJVAPCD) on August 4, 2021. Appendix section 2.3.1 Transportation Refrigeration unit (TRU), Modeling Parameters.

[5] Load factor obtained from CARB Draft 2019 Update to Emissions Inventory for Transport Refrigeration Units, for TRUs Over 25 hp, 2013 and newer. Available at: https://ww2.arb.ca.gov/sites/default/files/classic/cc/cold-storage/documents/hra_emissioninventory2019.pdf. Accessed: January 2025.

[6] Idling duration is based on SJVAPCD's Draft HRA Guidance provided to Ramboll by Kyle Melching (SJVAPCD) on August 4, 2021.

[7] TRU On-Road Duration is based on the segment length and travel speed for each roadway. Travel speed is assumed to be 30 miles per hour. Assumptions are based on Table II.G.1 of CARB Proposed Amendments to the Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate. Available at: https://ww2.arb.ca.gov/sites/default/files/barcu/board/rulemaking/tru2021/appi.pdf. Accessed: January 2025.

Constants:

Horsepower [4]	50	bhp
Load Factor [5]	0.38	
TRU Idling Duration[6]	30	min
Travel Speed [7]	30	miles/hr

Table F-4. Full Buildout - TRU Emission Calculations
Pacific Gateway
San Joaquin County, California

Modeled Roadway Link	Source Group ID	Annual VMT[3] (miles/year)	Idle Duration[3] (minutes/round trip)	Annual Average TRU Emissions (lb/year)	TRU Emissions Rate (g/s)
				PM_{10}	PM_{10}

Notes: *(Continued)*

Conversion Factors:

453.59	g/lb
1,000,000	g/MT
60	min/hr
365	day/year
2,000	lb/ton
60	s/min
24	hr/day

Abbreviations:

bph - brake horsepower
CARB - California Air Resources Board
g - grams
HRA - health risk assessment
hp - horsepower
hr - hour
lb - pound
min - minute
MT - metric ton
PM_{10} - particulate matter less than 10 microns in diameter
ppm - parts per million
s - second
SJVAPCD - San Joaquin Valley Air Pollution Control District
SO_x - oxides of sulfur
TRU - transport/transportation refrigeration unit
VMT - vehicle miles travelled

Table F-5. Full Buildout - Generator Emissions
Pacific Gateway
San Joaquin County, California

Operating Parameters

Parameter	Value	Unit
Schedule[1]	200	hours/engine/yr
Diesel Consumption Rate[2]	39.9	gal/hr
	7,973	gal/yr
Liquid Fuel Consumption Factor[3]	5.11E-05	Mgal/bhp-hr
Fuel Consumption Rate (calculated)	1.96	MMBtu/hr

Emissions[2]

Pollutant	Provided EF (lb/hp-hr)[4]	Brake Horsepower EF (lb/bhp-hr)	Fuel EF (lb/gal)	Emissions (lbs/hr)	Emissions (lbs/yr)	Emissions (g/s)
Diesel Particulate Matter	2.20E-03	2.17E-03	0.0425	1.69	338	4.87E-03

Notes:

[1] Emergency generator hours per year taken from SJVAPCD Rule 4701 Section 3.22, which states that "Any internal combustion engine used exclusively for non-utility electric power generation or any other emergency engine, approved by the APCO, and limited by permit condition to operate no more than 200 hours per calendar year for non-emergency purposes and not used in conjunction with any voluntary utility demand reduction program." Available at: https://ww2.valleyair.org/media/1danj2d0/rule-4701.pdf. Accessed: February 2025.

[2] Expected diesel consumption rate taken as an average of similar units.

[3] Liquid fuel consumption factor from Table 1 in AQMD Guidelines for Calculating Emissions form Internal Combustion Engines. https://www.aqmd.gov/docs/default-source/planning/annual-emission-reporting/guidelines-for-calculating-emissions-from-internal-combustion-engines.pdf?sfvrsn=6. Accessed February 2025.

[4] AP-42 emission factors obtained from Table 3-3-1 of AP-42 Section 3.3: Gasoline and Diesel Industrial Engines. Available at: https://www3.epa.gov/ttn/chief/ap42/ch03/final/c03s03.pdf. Accessed: February 2025.

Conversion Factors:

5.11E-05	Mgal/bhp-hr, liquid fuel consumption factor[4]
365	days/yr
0.001	Mgal/gal
0.986	hp/bhp
398.4658	bhp/MMBtu/hr
24	hr/day
60	min/hr
60	s/min

Abbreviations/Acronyms:

APCO -
bhp - brake-horsepower
EF -
g - gram
gal - gallon
hp - horsepower
hr - hour
kW - kilowatt
lb - pound
Mgal - 1,000 gallons
min - minute
MMBtu - million British thermal units
s - second
SJVAPCD - San Joaquin Valley Air Pollution Control District
yr - year

Table F-6. Fuel Facility Emissions
Pacific Gateway
San Joaquin County, California

		Source Group ID					
		LOADING	BREATH	REFILL			SPILL
		Loading	Breathing	Refueling	Hose Permeation	Total	Spillage
VOC Emission Factor (lb/1,000 gallons)[1]		0.15	0.024	0.356	0.009	--	0.24
Weight Percent[2]	Benzene	4.57E-03	4.57E-03	4.57E-03	4.57E-03	--	7.07E-03
	Ethyl Benzene	1.07E-03	1.07E-03	1.07E-03	1.07E-03	--	1.29E-02
	Hexane	1.82E-02	1.82E-02	1.82E-02	1.82E-02	--	1.86E-02
	Naphthalene	4.45E-06	4.45E-06	4.45E-06	4.45E-06	--	1.74E-03
	Propylene (propene)	3.59E-05	3.59E-05	3.59E-05	3.59E-05	--	1.22E-06
	Toluene	1.11E-02	1.11E-02	1.11E-02	1.11E-02	--	5.63E-02
	Xylenes	4.09E-03	4.09E-03	4.09E-03	4.09E-03	--	6.59E-02
Emissions (lb/hr)[3]	Benzene	6.03E-03	4.82E-04	7.15E-03	1.81E-04	7.33E-03	7.46E-03
	Ethyl Benzene	1.41E-03	1.13E-04	1.67E-03	4.23E-05	1.72E-03	1.36E-02
	Hexane	2.40E-02	1.92E-03	2.85E-02	7.20E-04	2.92E-02	1.96E-02
	Naphthalene	5.87E-06	4.69E-07	6.96E-06	1.76E-07	7.14E-06	1.84E-03
	Propylene (propene)	4.74E-05	3.79E-06	5.62E-05	1.42E-06	5.76E-05	1.29E-06
	Toluene	1.47E-02	1.17E-03	1.74E-02	4.39E-04	1.78E-02	5.94E-02
	Xylenes	5.40E-03	4.31E-04	6.40E-03	1.62E-04	6.56E-03	6.95E-02
Emissions (lb/year)	Benzene	1.75E+01	2.81E+00	4.16E+01	1.05E+00	4.27E+01	4.34E+01
	Ethyl Benzene	4.11E+00	6.57E-01	9.75E+00	2.47E-01	1.00E+01	7.93E+01
	Hexane	6.99E+01	1.12E+01	1.66E+02	4.19E+00	1.70E+02	1.14E+02
	Naphthalene	1.71E-02	2.73E-03	4.06E-02	1.03E-03	4.16E-02	1.07E+01
	Propylene (propene)	1.38E-01	2.21E-02	3.27E-01	8.27E-03	3.35E-01	7.50E-03
	Toluene	4.26E+01	6.82E+00	1.01E+02	2.56E+00	1.04E+02	3.46E+02
	Xylenes	1.57E+01	2.51E+00	3.73E+01	9.42E-01	3.82E+01	4.05E+02

Throughput:

Hourly Loading Throughput[3]	8,800	gallons/hr
Hourly Dispensing Throughput	4,396	gallons/hr
Annual Throughput	25.6	million gallons/year

Notes:

[1] Emission factors obtained from Kyle Melching from SJVAPCD in July 2024. It was assumed that the fueling facility would utilize underground storage tank and implement EVR Phase I and EVR Phase II equipment, and operate on a 16 hour/day schedule.

[2] Weight percents obtained from SJVAPCD Emission Factors for Gasoline Dispensing Operations. Available at https://ww2.valleyair.org/permitting/emission-factors/. Accessed: February 2025.

[3] Loading emissions are calculated based on an hourly throughput of 8,800 gallons, recommended by CARB/CAPCOA Gasoline Service Station Industrywide Risk Assessment Technical Guidance. Available at: https://ww2.arb.ca.gov/sites/default/files/2022-03/Draft%202022%20Gas%20Station%20IWG%20-%20Technical%20Guidance_ADA%20Compliant.pdf. Accessed: February 2025.

Abbreviations:

hr - hour
lb - pound
VOC - volatile organic compounds
EVR - enhanced vapor recovery
SJVAPCD - San Joaquin Valley Air Pollution Control District
CARB - California Air Resources Board
CAPCOA - California Air Pollution Control Officers Association

APPENDIX G
HEALTH RISK ASSESSMENT RESULTS

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1	639723.5	4168261.2	Resident	Scenario 1	2.61E-01	4.76E-05	--
2	639698.5	4168286.2	Resident	Scenario 1	2.59E-01	4.72E-05	--
3	639723.5	4168286.2	Resident	Scenario 1	2.63E-01	4.80E-05	--
4	639648.5	4168311.2	Resident	Scenario 1	2.52E-01	4.60E-05	--
5	639673.5	4168311.2	Resident	Scenario 1	2.56E-01	4.68E-05	--
6	639698.5	4168311.2	Resident	Scenario 1	2.60E-01	4.75E-05	--
7	639648.5	4168336.2	Resident	Scenario 1	2.54E-01	4.65E-05	--
8	639673.5	4168336.2	Resident	Scenario 1	2.59E-01	4.72E-05	--
9	639698.5	4168336.2	Resident	Scenario 1	2.63E-01	4.80E-05	--
10	639648.5	4168361.2	Resident	Scenario 1	2.57E-01	4.69E-05	--
11	639673.5	4168361.2	Resident	Scenario 1	2.61E-01	4.77E-05	--
12	639698.5	4168361.2	Resident	Scenario 1	2.66E-01	4.85E-05	--
13	639648.5	4168386.2	Resident	Scenario 1	2.59E-01	4.73E-05	--
14	639673.5	4168386.2	Resident	Scenario 1	2.64E-01	4.81E-05	--
15	639698.5	4168386.2	Resident	Scenario 1	2.68E-01	4.89E-05	--
16	639648.5	4168411.2	Resident	Scenario 1	2.62E-01	4.78E-05	--
17	639673.5	4168411.2	Resident	Scenario 1	2.66E-01	4.86E-05	--
18	639698.5	4168411.2	Resident	Scenario 1	2.71E-01	4.94E-05	--
19	639648.5	4168436.2	Resident	Scenario 1	2.64E-01	4.82E-05	--
20	639673.5	4168436.2	Resident	Scenario 1	2.68E-01	4.90E-05	--
21	639698.5	4168436.2	Resident	Scenario 1	2.73E-01	4.99E-05	--
22	641298.5	4168511.2	Resident	Scenario 1	3.10E+00	5.67E-04	--
23	641323.5	4168511.2	Resident	Scenario 1	4.66E+00	8.51E-04	--
24	641298.5	4168536.2	Resident	Scenario 1	3.12E+00	5.69E-04	--
25	641323.5	4168536.2	Resident	Scenario 1	4.70E+00	8.58E-04	--
26	641298.5	4168561.2	Resident	Scenario 1	3.12E+00	5.70E-04	--
27	641323.5	4168561.2	Resident	Scenario 1	4.72E+00	8.62E-04	--
28	641298.5	4168586.2	Resident	Scenario 1	3.13E+00	5.71E-04	--
29	641323.5	4168586.2	Resident	Scenario 1	4.74E+00	8.66E-04	--
30	641298.5	4168611.2	Resident	Scenario 1	3.14E+00	5.73E-04	--
31	641323.5	4168611.2	Resident	Scenario 1	4.77E+00	8.71E-04	--
32	641298.5	4168636.2	Resident	Scenario 1	3.14E+00	5.72E-04	--
33	641323.5	4168636.2	Resident	Scenario 1	4.79E+00	8.74E-04	--
34	641298.5	4168661.2	Resident	Scenario 1	3.14E+00	5.73E-04	--
35	641323.5	4168661.2	Resident	Scenario 1	4.81E+00	8.78E-04	--
36	642036.2	4165948.9	Resident	Scenario 1	3.48E-01	6.35E-05	--
37	640636.2	4166448.9	Resident	Scenario 1	2.60E-01	4.75E-05	--
38	640836.2	4166448.9	Resident	Scenario 1	2.91E-01	5.31E-05	--
39	640936.2	4166448.9	Resident	Scenario 1	3.13E-01	5.71E-05	--
40	641036.2	4166448.9	Resident	Scenario 1	3.39E-01	6.19E-05	--
41	641136.2	4166448.9	Resident	Scenario 1	3.82E-01	6.98E-05	--
42	641236.2	4166448.9	Resident	Scenario 1	4.40E-01	8.04E-05	--
43	640636.2	4166548.9	Resident	Scenario 1	2.77E-01	5.05E-05	--
44	640736.2	4166548.9	Resident	Scenario 1	2.96E-01	5.41E-05	--
45	640836.2	4166548.9	Resident	Scenario 1	3.17E-01	5.79E-05	--
46	641036.2	4166548.9	Resident	Scenario 1	3.82E-01	6.98E-05	--
47	641136.2	4166548.9	Resident	Scenario 1	4.45E-01	8.12E-05	--
48	641236.2	4166548.9	Resident	Scenario 1	5.68E-01	1.04E-04	--
49	640636.2	4166648.9	Resident	Scenario 1	2.93E-01	5.36E-05	--
50	640736.2	4166648.9	Resident	Scenario 1	3.17E-01	5.79E-05	--
51	640836.2	4166648.9	Resident	Scenario 1	3.43E-01	6.26E-05	--
52	640936.2	4166648.9	Resident	Scenario 1	3.77E-01	6.88E-05	--
53	641036.2	4166648.9	Resident	Scenario 1	4.29E-01	7.83E-05	--
54	641136.2	4166648.9	Resident	Scenario 1	5.02E-01	9.17E-05	--
55	641236.2	4166648.9	Resident	Scenario 1	7.13E-01	1.30E-04	--
56	640636.2	4166748.9	Resident	Scenario 1	3.06E-01	5.60E-05	--
57	640736.2	4166748.9	Resident	Scenario 1	3.36E-01	6.14E-05	--
58	640836.2	4166748.9	Resident	Scenario 1	3.56E-01	6.50E-05	--
59	640936.2	4166748.9	Resident	Scenario 1	3.99E-01	7.28E-05	--
60	641036.2	4166748.9	Resident	Scenario 1	4.63E-01	8.46E-05	--
61	641136.2	4166748.9	Resident	Scenario 1	5.81E-01	1.06E-04	--
62	640636.2	4166848.9	Resident	Scenario 1	3.13E-01	5.71E-05	--
63	640736.2	4166848.9	Resident	Scenario 1	3.47E-01	6.34E-05	--
64	640836.2	4166848.9	Resident	Scenario 1	3.80E-01	6.93E-05	--
65	640936.2	4166848.9	Resident	Scenario 1	4.31E-01	7.87E-05	--
66	644636.2	4167548.9	Resident	Scenario 1	4.89E+00	8.92E-04	--
67	644636.2	4167648.9	Resident	Scenario 1	4.57E+00	8.34E-04	--
68	644736.2	4167648.9	Resident	Scenario 1	4.20E+00	7.66E-04	--
69	644836.2	4167648.9	Resident	Scenario 1	3.87E+00	7.06E-04	--
70	644936.2	4167648.9	Resident	Scenario 1	3.58E+00	6.54E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
71	645036.2	4167648.9	Resident	Scenario 1	3.33E+00	6.07E-04	--
72	645236.2	4167648.9	Resident	Scenario 1	2.91E+00	5.31E-04	--
73	644536.2	4167748.9	Resident	Scenario 1	4.45E+00	8.13E-04	--
74	644636.2	4168848.9	Resident	Scenario 1	1.05E+00	1.91E-04	--
75	644736.2	4168848.9	Resident	Scenario 1	1.02E+00	1.86E-04	--
76	644636.2	4168948.9	Resident	Scenario 1	9.85E-01	1.80E-04	--
77	644536.2	4169048.9	Resident	Scenario 1	9.49E-01	1.73E-04	--
78	644636.2	4169048.9	Resident	Scenario 1	9.27E-01	1.69E-04	--
79	644736.2	4169048.9	Resident	Scenario 1	9.06E-01	1.65E-04	--
80	644336.2	4169148.9	Resident	Scenario 1	9.45E-01	1.73E-04	--
81	644436.2	4169148.9	Resident	Scenario 1	9.20E-01	1.68E-04	--
82	644536.2	4169148.9	Resident	Scenario 1	8.98E-01	1.64E-04	--
83	644336.2	4169248.9	Resident	Scenario 1	8.98E-01	1.64E-04	--
84	644436.2	4169248.9	Resident	Scenario 1	8.76E-01	1.60E-04	--
85	644436.2	4169348.9	Resident	Scenario 1	8.36E-01	1.53E-04	--
86	642336.2	4169948.9	Resident	Scenario 1	8.99E-01	1.64E-04	--
87	642436.2	4169948.9	Resident	Scenario 1	8.88E-01	1.62E-04	--
88	642536.2	4169948.9	Resident	Scenario 1	8.77E-01	1.60E-04	--
89	642636.2	4169948.9	Resident	Scenario 1	8.62E-01	1.57E-04	--
90	642736.2	4169948.9	Resident	Scenario 1	8.44E-01	1.54E-04	--
91	642836.2	4169948.9	Resident	Scenario 1	8.26E-01	1.51E-04	--
92	642936.2	4169948.9	Resident	Scenario 1	8.09E-01	1.48E-04	--
93	643036.2	4169948.9	Resident	Scenario 1	7.96E-01	1.45E-04	--
94	643136.2	4169948.9	Resident	Scenario 1	7.84E-01	1.43E-04	--
95	644136.2	4169948.9	Resident	Scenario 1	6.31E-01	1.15E-04	--
96	642236.2	4170048.9	Resident	Scenario 1	8.49E-01	1.55E-04	--
97	642336.2	4170048.9	Resident	Scenario 1	8.40E-01	1.53E-04	--
98	642436.2	4170048.9	Resident	Scenario 1	8.34E-01	1.52E-04	--
99	642536.2	4170048.9	Resident	Scenario 1	8.25E-01	1.51E-04	--
100	642636.2	4170048.9	Resident	Scenario 1	8.09E-01	1.48E-04	--
101	642736.2	4170048.9	Resident	Scenario 1	7.93E-01	1.45E-04	--
102	642836.2	4170048.9	Resident	Scenario 1	7.76E-01	1.42E-04	--
103	642936.2	4170048.9	Resident	Scenario 1	7.63E-01	1.39E-04	--
104	643036.2	4170048.9	Resident	Scenario 1	7.51E-01	1.37E-04	--
105	643136.2	4170048.9	Resident	Scenario 1	7.40E-01	1.35E-04	--
106	643236.2	4170048.9	Resident	Scenario 1	7.31E-01	1.33E-04	--
107	643336.2	4170048.9	Resident	Scenario 1	7.19E-01	1.31E-04	--
108	643436.2	4170048.9	Resident	Scenario 1	7.08E-01	1.29E-04	--
109	643536.2	4170048.9	Resident	Scenario 1	6.97E-01	1.27E-04	--
110	643636.2	4170048.9	Resident	Scenario 1	6.85E-01	1.25E-04	--
111	643736.2	4170048.9	Resident	Scenario 1	6.68E-01	1.22E-04	--
112	643836.2	4170048.9	Resident	Scenario 1	6.50E-01	1.19E-04	--
113	643936.2	4170048.9	Resident	Scenario 1	6.32E-01	1.15E-04	--
114	644036.2	4170048.9	Resident	Scenario 1	6.15E-01	1.12E-04	--
115	642136.2	4170148.9	Resident	Scenario 1	7.92E-01	1.45E-04	--
116	642236.2	4170148.9	Resident	Scenario 1	7.86E-01	1.44E-04	--
117	642336.2	4170148.9	Resident	Scenario 1	7.85E-01	1.43E-04	--
118	643436.2	4170148.9	Resident	Scenario 1	6.71E-01	1.22E-04	--
119	643536.2	4170148.9	Resident	Scenario 1	6.61E-01	1.21E-04	--
120	643636.2	4170148.9	Resident	Scenario 1	6.49E-01	1.19E-04	--
121	643736.2	4170148.9	Resident	Scenario 1	6.36E-01	1.16E-04	--
122	643836.2	4170148.9	Resident	Scenario 1	6.21E-01	1.13E-04	--
123	643936.2	4170148.9	Resident	Scenario 1	6.04E-01	1.10E-04	--
124	643436.2	4170248.9	Resident	Scenario 1	6.37E-01	1.16E-04	--
125	643536.2	4170248.9	Resident	Scenario 1	6.28E-01	1.15E-04	--
126	643636.2	4170248.9	Resident	Scenario 1	6.18E-01	1.13E-04	--
127	643736.2	4170248.9	Resident	Scenario 1	6.07E-01	1.11E-04	--
128	643836.2	4170248.9	Resident	Scenario 1	5.93E-01	1.08E-04	--
129	635936.2	4170748.9	Resident	Scenario 1	8.95E-02	1.63E-05	--
130	636036.2	4170748.9	Resident	Scenario 1	9.18E-02	1.68E-05	--
131	636136.2	4170748.9	Resident	Scenario 1	9.48E-02	1.73E-05	--
132	635936.2	4170848.9	Resident	Scenario 1	9.04E-02	1.65E-05	--
133	636036.2	4170848.9	Resident	Scenario 1	9.32E-02	1.70E-05	--
134	636136.2	4170848.9	Resident	Scenario 1	9.64E-02	1.76E-05	--
135	636236.2	4170848.9	Resident	Scenario 1	9.96E-02	1.82E-05	--
136	636836.2	4170848.9	Resident	Scenario 1	1.23E-01	2.25E-05	--
137	636036.2	4170948.9	Resident	Scenario 1	9.48E-02	1.73E-05	--
138	636136.2	4170948.9	Resident	Scenario 1	9.80E-02	1.79E-05	--
139	636236.2	4170948.9	Resident	Scenario 1	1.01E-01	1.85E-05	--
140	636336.2	4170948.9	Resident	Scenario 1	1.05E-01	1.92E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
141	636636.2	4170948.9	Resident	Scenario 1	1.17E-01	2.13E-05	--
142	636736.2	4170948.9	Resident	Scenario 1	1.21E-01	2.21E-05	--
143	636836.2	4170948.9	Resident	Scenario 1	1.24E-01	2.27E-05	--
144	635936.2	4171048.9	Resident	Scenario 1	9.40E-02	1.72E-05	--
145	636036.2	4171048.9	Resident	Scenario 1	9.67E-02	1.77E-05	--
146	636136.2	4171048.9	Resident	Scenario 1	1.00E-01	1.83E-05	--
147	636236.2	4171048.9	Resident	Scenario 1	1.03E-01	1.88E-05	--
148	636336.2	4171048.9	Resident	Scenario 1	1.06E-01	1.94E-05	--
149	636536.2	4171048.9	Resident	Scenario 1	1.13E-01	2.07E-05	--
150	636636.2	4171048.9	Resident	Scenario 1	1.18E-01	2.15E-05	--
151	636736.2	4171048.9	Resident	Scenario 1	1.22E-01	2.23E-05	--
152	635936.2	4171148.9	Resident	Scenario 1	9.58E-02	1.75E-05	--
153	636036.2	4171148.9	Resident	Scenario 1	9.87E-02	1.80E-05	--
154	636136.2	4171148.9	Resident	Scenario 1	1.02E-01	1.86E-05	--
155	636236.2	4171148.9	Resident	Scenario 1	1.04E-01	1.91E-05	--
156	636336.2	4171148.9	Resident	Scenario 1	1.08E-01	1.97E-05	--
157	636536.2	4171148.9	Resident	Scenario 1	1.15E-01	2.10E-05	--
158	636636.2	4171148.9	Resident	Scenario 1	1.18E-01	2.16E-05	--
159	636136.2	4171248.9	Resident	Scenario 1	1.03E-01	1.88E-05	--
160	636236.2	4171248.9	Resident	Scenario 1	1.06E-01	1.94E-05	--
161	636336.2	4171248.9	Resident	Scenario 1	1.09E-01	2.00E-05	--
162	636536.2	4171248.9	Resident	Scenario 1	1.16E-01	2.12E-05	--
163	636036.2	4171348.9	Resident	Scenario 1	1.02E-01	1.86E-05	--
164	636136.2	4171348.9	Resident	Scenario 1	1.05E-01	1.91E-05	--
165	636236.2	4171348.9	Resident	Scenario 1	1.08E-01	1.97E-05	--
166	636336.2	4171348.9	Resident	Scenario 1	1.11E-01	2.02E-05	--
167	636136.2	4171448.9	Resident	Scenario 1	1.06E-01	1.94E-05	--
168	642573.5	4166836.2	Roadway/Waterway	Scenario 1	--	--	--
169	644323.5	4166836.2	Roadway/Waterway	Scenario 1	--	--	--
170	641523.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
171	641548.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
172	641573.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
173	642048.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
174	642073.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
175	642098.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
176	642198.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
177	642223.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
178	642248.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
179	642273.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
180	642548.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
181	642573.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
182	642598.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
183	642623.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
184	642648.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
185	642673.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
186	642698.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
187	642723.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
188	642748.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
189	642773.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
190	642798.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
191	642823.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
192	642848.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
193	642873.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
194	642898.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
195	642923.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
196	642948.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
197	642973.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
198	642998.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
199	643023.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
200	643048.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
201	643073.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
202	643098.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
203	643123.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
204	643148.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
205	643173.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
206	643198.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
207	643223.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
208	643248.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
209	643273.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
210	643298.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
211	643323.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
212	643348.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
213	643373.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
214	643398.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
215	643423.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
216	643448.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
217	643473.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
218	643498.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
219	643523.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
220	643548.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
221	643573.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
222	643598.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
223	643623.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
224	643648.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
225	643673.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
226	643698.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
227	643723.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
228	643748.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
229	643773.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
230	643798.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
231	643823.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
232	643848.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
233	643873.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
234	643898.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
235	643923.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
236	643948.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
237	643973.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
238	643998.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
239	644023.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
240	644048.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
241	644073.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
242	644098.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
243	644123.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
244	644148.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
245	644173.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
246	644198.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
247	644223.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
248	644248.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
249	644273.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
250	644298.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
251	644323.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
252	644348.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
253	644373.5	4166861.2	Roadway/Waterway	Scenario 1	--	--	--
254	641423.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
255	641448.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
256	641473.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
257	641498.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
258	641523.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
259	641548.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
260	641573.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
261	641598.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
262	641623.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
263	641648.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
264	641673.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
265	641698.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
266	641723.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
267	641748.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
268	641773.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
269	641798.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
270	641823.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
271	641848.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
272	641873.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
273	641898.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
274	641923.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
275	641948.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
276	641973.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
277	641998.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
278	642023.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
279	642048.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
280	642073.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
281	642098.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
282	642123.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
283	642148.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
284	642173.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
285	642198.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
286	642223.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
287	642248.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
288	642273.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
289	642298.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
290	642323.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
291	642348.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
292	642373.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
293	642398.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
294	642423.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
295	642448.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
296	642473.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
297	642498.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
298	642523.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
299	642548.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
300	642573.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
301	642598.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
302	642623.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
303	642648.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
304	642673.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
305	642698.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
306	642723.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
307	642748.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
308	642773.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
309	642798.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
310	642823.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
311	642848.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
312	642873.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
313	642898.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
314	642923.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
315	642948.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
316	642973.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
317	642998.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
318	643023.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
319	643048.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
320	643073.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
321	643098.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
322	643123.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
323	643148.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
324	643173.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
325	643198.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
326	643223.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
327	643248.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
328	643273.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
329	643298.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
330	643323.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
331	643348.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
332	643373.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
333	643398.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
334	643423.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
335	643448.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
336	643473.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
337	643498.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
338	643523.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
339	643548.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
340	643573.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
341	643598.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
342	643623.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
343	643648.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
344	643673.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
345	643698.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
346	643723.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
347	643748.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
348	643773.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
349	643798.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
350	643823.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
351	643848.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
352	643873.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
353	643898.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
354	643923.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
355	643948.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
356	643973.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
357	643998.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
358	644023.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
359	644048.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
360	644073.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
361	644098.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
362	644123.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
363	644148.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
364	644173.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
365	644198.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
366	644223.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
367	644248.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
368	644273.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
369	644298.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
370	644323.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
371	644348.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
372	644373.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
373	644398.5	4166886.2	Roadway/Waterway	Scenario 1	--	--	--
374	641348.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
375	641373.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
376	641398.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
377	641423.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
378	641448.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
379	641473.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
380	641498.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
381	641523.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
382	641548.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
383	641573.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
384	641598.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
385	641623.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
386	641648.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
387	641673.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
388	641698.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
389	641723.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
390	641748.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
391	641773.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
392	641798.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
393	641823.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
394	641848.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
395	641873.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
396	641898.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
397	641923.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
398	641948.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
399	641973.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
400	641998.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
401	642023.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
402	642048.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
403	642073.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
404	642098.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
405	642123.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
406	642148.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
407	642173.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
408	642198.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
409	642223.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
410	642248.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
411	642273.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
412	642298.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
413	642323.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
414	642348.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
415	642373.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
416	642398.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
417	642423.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
418	642448.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
419	642473.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
420	642498.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
421	642523.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
422	642548.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
423	642573.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
424	642598.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
425	642623.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
426	642648.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
427	642673.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
428	642698.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
429	642723.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
430	642748.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
431	642773.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
432	643548.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
433	643573.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
434	643598.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
435	643623.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
436	643648.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
437	643673.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
438	643698.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
439	643723.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
440	643748.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
441	643773.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
442	643798.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
443	643823.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
444	643848.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
445	643873.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
446	643898.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
447	643923.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
448	643948.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
449	643973.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
450	643998.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
451	644023.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
452	644048.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
453	644073.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
454	644098.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
455	644123.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
456	644148.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
457	644173.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
458	644198.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
459	644223.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
460	644248.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
461	644273.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
462	644298.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
463	644323.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
464	644348.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
465	644373.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
466	644398.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
467	644423.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
468	644448.5	4166911.2	Roadway/Waterway	Scenario 1	--	--	--
469	641323.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
470	641348.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
471	641373.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
472	641398.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
473	641423.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
474	641448.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
475	641473.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
476	641498.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
477	641523.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
478	641548.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
479	641573.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
480	641598.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
481	641623.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
482	641648.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
483	641673.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
484	641698.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
485	641723.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
486	641748.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
487	641773.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
488	641798.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
489	641823.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
490	641848.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
491	641873.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
492	641898.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
493	641923.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
494	641948.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
495	642223.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
496	642248.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
497	642273.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
498	642298.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
499	642323.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
500	642348.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
501	642373.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
502	642398.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
503	642423.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
504	642448.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
505	642473.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
506	642498.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
507	642523.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
508	642548.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
509	642573.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
510	644323.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
511	644348.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
512	644373.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
513	644398.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
514	644423.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
515	644448.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
516	644473.5	4166936.2	Roadway/Waterway	Scenario 1	--	--	--
517	641323.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
518	641348.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
519	641373.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
520	641398.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
521	641423.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
522	641448.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
523	641473.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
524	641498.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
525	641523.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
526	642198.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
527	642223.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
528	642248.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
529	642273.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
530	642298.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
531	642323.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
532	642348.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
533	642373.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
534	642398.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
535	642423.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
536	642448.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
537	642473.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
538	642498.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
539	642523.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
540	642548.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
541	644373.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
542	644398.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
543	644423.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
544	644448.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
545	644473.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
546	644498.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
547	644523.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
548	644548.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
549	644573.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
550	644598.5	4166961.2	Roadway/Waterway	Scenario 1	--	--	--
551	641298.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
552	641323.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
553	641348.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
554	641373.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
555	641398.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
556	641423.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
557	642173.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
558	642198.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
559	642223.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
560	642248.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
561	642273.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
562	642298.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
563	642323.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
564	642348.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
565	644398.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
566	644423.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
567	644448.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
568	644473.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
569	644498.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
570	644523.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
571	644548.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
572	644573.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
573	644598.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
574	644623.5	4166986.2	Roadway/Waterway	Scenario 1	--	--	--
575	641348.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
576	641373.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
577	642148.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
578	642173.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
579	642198.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
580	642223.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
581	642248.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
582	642273.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
583	642298.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
584	642323.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
585	644423.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
586	644448.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
587	644473.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
588	644498.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
589	644523.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
590	644548.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
591	644573.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
592	644598.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
593	644623.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
594	644648.5	4167011.2	Roadway/Waterway	Scenario 1	--	--	--
595	641348.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
596	641373.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
597	642123.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
598	642148.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
599	642173.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
600	642198.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
601	642223.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
602	642248.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
603	642273.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
604	642298.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
605	644473.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
606	644498.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
607	644523.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
608	644548.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
609	644573.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
610	644598.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
611	644623.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
612	644648.5	4167036.2	Roadway/Waterway	Scenario 1	--	--	--
613	641373.5	4167061.2	Roadway/Waterway	Scenario 1	--	--	--
614	642098.5	4167061.2	Roadway/Waterway	Scenario 1	--	--	--
615	642123.5	4167061.2	Roadway/Waterway	Scenario 1	--	--	--
616	642148.5	4167061.2	Roadway/Waterway	Scenario 1	--	--	--
617	642173.5	4167061.2	Roadway/Waterway	Scenario 1	--	--	--
618	642198.5	4167061.2	Roadway/Waterway	Scenario 1	--	--	--
619	642223.5	4167061.2	Roadway/Waterway	Scenario 1	--	--	--
620	642248.5	4167061.2	Roadway/Waterway	Scenario 1	--	--	--
621	642273.5	4167061.2	Roadway/Waterway	Scenario 1	--	--	--
622	644573.5	4167061.2	Roadway/Waterway	Scenario 1	--	--	--
623	644598.5	4167061.2	Roadway/Waterway	Scenario 1	--	--	--
624	644623.5	4167061.2	Roadway/Waterway	Scenario 1	--	--	--
625	644648.5	4167061.2	Roadway/Waterway	Scenario 1	--	--	--
626	641373.5	4167086.2	Roadway/Waterway	Scenario 1	--	--	--
627	642073.5	4167086.2	Roadway/Waterway	Scenario 1	--	--	--
628	642098.5	4167086.2	Roadway/Waterway	Scenario 1	--	--	--
629	642123.5	4167086.2	Roadway/Waterway	Scenario 1	--	--	--
630	642148.5	4167086.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
631	642173.5	4167086.2	Roadway/Waterway	Scenario 1	--	--	--
632	642198.5	4167086.2	Roadway/Waterway	Scenario 1	--	--	--
633	642223.5	4167086.2	Roadway/Waterway	Scenario 1	--	--	--
634	642248.5	4167086.2	Roadway/Waterway	Scenario 1	--	--	--
635	644598.5	4167086.2	Roadway/Waterway	Scenario 1	--	--	--
636	644623.5	4167086.2	Roadway/Waterway	Scenario 1	--	--	--
637	641373.5	4167111.2	Roadway/Waterway	Scenario 1	--	--	--
638	642048.5	4167111.2	Roadway/Waterway	Scenario 1	--	--	--
639	642073.5	4167111.2	Roadway/Waterway	Scenario 1	--	--	--
640	642098.5	4167111.2	Roadway/Waterway	Scenario 1	--	--	--
641	642123.5	4167111.2	Roadway/Waterway	Scenario 1	--	--	--
642	642148.5	4167111.2	Roadway/Waterway	Scenario 1	--	--	--
643	642173.5	4167111.2	Roadway/Waterway	Scenario 1	--	--	--
644	642198.5	4167111.2	Roadway/Waterway	Scenario 1	--	--	--
645	642223.5	4167111.2	Roadway/Waterway	Scenario 1	--	--	--
646	644598.5	4167111.2	Roadway/Waterway	Scenario 1	--	--	--
647	644623.5	4167111.2	Roadway/Waterway	Scenario 1	--	--	--
648	641373.5	4167136.2	Roadway/Waterway	Scenario 1	--	--	--
649	642023.5	4167136.2	Roadway/Waterway	Scenario 1	--	--	--
650	642048.5	4167136.2	Roadway/Waterway	Scenario 1	--	--	--
651	642073.5	4167136.2	Roadway/Waterway	Scenario 1	--	--	--
652	642098.5	4167136.2	Roadway/Waterway	Scenario 1	--	--	--
653	642123.5	4167136.2	Roadway/Waterway	Scenario 1	--	--	--
654	642148.5	4167136.2	Roadway/Waterway	Scenario 1	--	--	--
655	642173.5	4167136.2	Roadway/Waterway	Scenario 1	--	--	--
656	642198.5	4167136.2	Roadway/Waterway	Scenario 1	--	--	--
657	644598.5	4167136.2	Roadway/Waterway	Scenario 1	--	--	--
658	644623.5	4167136.2	Roadway/Waterway	Scenario 1	--	--	--
659	641373.5	4167161.2	Roadway/Waterway	Scenario 1	--	--	--
660	641998.5	4167161.2	Roadway/Waterway	Scenario 1	--	--	--
661	642023.5	4167161.2	Roadway/Waterway	Scenario 1	--	--	--
662	642048.5	4167161.2	Roadway/Waterway	Scenario 1	--	--	--
663	642073.5	4167161.2	Roadway/Waterway	Scenario 1	--	--	--
664	642098.5	4167161.2	Roadway/Waterway	Scenario 1	--	--	--
665	642123.5	4167161.2	Roadway/Waterway	Scenario 1	--	--	--
666	642148.5	4167161.2	Roadway/Waterway	Scenario 1	--	--	--
667	644598.5	4167161.2	Roadway/Waterway	Scenario 1	--	--	--
668	644623.5	4167161.2	Roadway/Waterway	Scenario 1	--	--	--
669	641373.5	4167186.2	Roadway/Waterway	Scenario 1	--	--	--
670	641948.5	4167186.2	Roadway/Waterway	Scenario 1	--	--	--
671	641973.5	4167186.2	Roadway/Waterway	Scenario 1	--	--	--
672	641998.5	4167186.2	Roadway/Waterway	Scenario 1	--	--	--
673	642023.5	4167186.2	Roadway/Waterway	Scenario 1	--	--	--
674	642048.5	4167186.2	Roadway/Waterway	Scenario 1	--	--	--
675	642073.5	4167186.2	Roadway/Waterway	Scenario 1	--	--	--
676	642098.5	4167186.2	Roadway/Waterway	Scenario 1	--	--	--
677	642123.5	4167186.2	Roadway/Waterway	Scenario 1	--	--	--
678	644598.5	4167186.2	Roadway/Waterway	Scenario 1	--	--	--
679	644623.5	4167186.2	Roadway/Waterway	Scenario 1	--	--	--
680	641373.5	4167211.2	Roadway/Waterway	Scenario 1	--	--	--
681	641923.5	4167211.2	Roadway/Waterway	Scenario 1	--	--	--
682	641948.5	4167211.2	Roadway/Waterway	Scenario 1	--	--	--
683	641973.5	4167211.2	Roadway/Waterway	Scenario 1	--	--	--
684	641998.5	4167211.2	Roadway/Waterway	Scenario 1	--	--	--
685	642023.5	4167211.2	Roadway/Waterway	Scenario 1	--	--	--
686	642048.5	4167211.2	Roadway/Waterway	Scenario 1	--	--	--
687	642073.5	4167211.2	Roadway/Waterway	Scenario 1	--	--	--
688	642098.5	4167211.2	Roadway/Waterway	Scenario 1	--	--	--
689	644598.5	4167211.2	Roadway/Waterway	Scenario 1	--	--	--
690	644623.5	4167211.2	Roadway/Waterway	Scenario 1	--	--	--
691	641373.5	4167236.2	Roadway/Waterway	Scenario 1	--	--	--
692	641898.5	4167236.2	Roadway/Waterway	Scenario 1	--	--	--
693	641923.5	4167236.2	Roadway/Waterway	Scenario 1	--	--	--
694	641948.5	4167236.2	Roadway/Waterway	Scenario 1	--	--	--
695	641973.5	4167236.2	Roadway/Waterway	Scenario 1	--	--	--
696	641998.5	4167236.2	Roadway/Waterway	Scenario 1	--	--	--
697	642023.5	4167236.2	Roadway/Waterway	Scenario 1	--	--	--
698	642048.5	4167236.2	Roadway/Waterway	Scenario 1	--	--	--
699	642073.5	4167236.2	Roadway/Waterway	Scenario 1	--	--	--
700	644598.5	4167236.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
701	641373.5	4167261.2	Roadway/Waterway	Scenario 1	--	--	--
702	641873.5	4167261.2	Roadway/Waterway	Scenario 1	--	--	--
703	641898.5	4167261.2	Roadway/Waterway	Scenario 1	--	--	--
704	641923.5	4167261.2	Roadway/Waterway	Scenario 1	--	--	--
705	641948.5	4167261.2	Roadway/Waterway	Scenario 1	--	--	--
706	641973.5	4167261.2	Roadway/Waterway	Scenario 1	--	--	--
707	641998.5	4167261.2	Roadway/Waterway	Scenario 1	--	--	--
708	642023.5	4167261.2	Roadway/Waterway	Scenario 1	--	--	--
709	642048.5	4167261.2	Roadway/Waterway	Scenario 1	--	--	--
710	644548.5	4167261.2	Roadway/Waterway	Scenario 1	--	--	--
711	644573.5	4167261.2	Roadway/Waterway	Scenario 1	--	--	--
712	644598.5	4167261.2	Roadway/Waterway	Scenario 1	--	--	--
713	644623.5	4167261.2	Roadway/Waterway	Scenario 1	--	--	--
714	644648.5	4167261.2	Roadway/Waterway	Scenario 1	--	--	--
715	644673.5	4167261.2	Roadway/Waterway	Scenario 1	--	--	--
716	641373.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
717	641823.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
718	641848.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
719	641873.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
720	641898.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
721	641923.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
722	641948.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
723	641973.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
724	641998.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
725	642023.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
726	644448.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
727	644473.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
728	644498.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
729	644523.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
730	644548.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
731	644573.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
732	644598.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
733	644623.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
734	644648.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
735	644673.5	4167286.2	Roadway/Waterway	Scenario 1	--	--	--
736	641373.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
737	641748.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
738	641773.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
739	641798.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
740	641823.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
741	641848.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
742	641873.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
743	641898.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
744	641923.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
745	641948.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
746	641973.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
747	641998.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
748	644373.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
749	644398.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
750	644423.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
751	644448.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
752	644473.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
753	644498.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
754	644523.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
755	644548.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
756	644573.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
757	644598.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
758	644623.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
759	644648.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
760	641373.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
761	641673.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
762	641698.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
763	641723.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
764	641748.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
765	641773.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
766	641798.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
767	641823.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
768	641848.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
769	641873.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
770	641898.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
771	641923.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
772	641948.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
773	641973.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
774	644298.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
775	644323.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
776	644348.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
777	644373.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
778	644398.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
779	644423.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
780	644448.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
781	644473.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
782	644498.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
783	644523.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
784	644548.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
785	644573.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
786	644598.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
787	644623.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
788	641373.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
789	641573.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
790	641598.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
791	641623.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
792	641648.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
793	641673.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
794	641698.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
795	641723.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
796	641748.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
797	641773.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
798	641798.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
799	641823.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
800	641848.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
801	641873.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
802	641898.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
803	641923.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
804	643348.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
805	643373.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
806	643398.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
807	643423.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
808	643448.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
809	643473.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
810	643498.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
811	643523.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
812	643548.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
813	643573.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
814	643598.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
815	643623.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
816	643648.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
817	643673.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
818	643698.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
819	643723.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
820	643748.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
821	643773.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
822	643798.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
823	643823.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
824	643848.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
825	643873.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
826	644248.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
827	644273.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
828	644298.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
829	644323.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
830	644348.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
831	644373.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
832	644398.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
833	644423.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
834	644448.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
835	644473.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
836	644498.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
837	641373.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
838	641498.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
839	641523.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
840	641548.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
841	641573.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
842	641598.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
843	641623.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
844	641648.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
845	641673.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
846	641698.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
847	641723.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
848	641748.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
849	641773.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
850	641798.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
851	641823.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
852	641848.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
853	641873.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
854	643323.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
855	643348.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
856	643373.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
857	643398.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
858	643423.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
859	643448.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
860	643473.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
861	643498.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
862	643523.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
863	643548.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
864	643573.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
865	643598.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
866	643623.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
867	643648.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
868	643673.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
869	643698.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
870	643723.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
871	643748.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
872	643773.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
873	643798.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
874	643823.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
875	643848.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
876	643873.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
877	643898.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
878	643923.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
879	643948.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
880	643973.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
881	643998.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
882	644023.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
883	644048.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
884	644073.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
885	644148.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
886	644173.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
887	644198.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
888	644223.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
889	644248.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
890	644273.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
891	644298.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
892	644323.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
893	644348.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
894	644373.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
895	644398.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
896	644423.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
897	641373.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
898	641398.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
899	641423.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
900	641448.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
901	641473.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
902	641498.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
903	641523.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
904	641548.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
905	641573.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
906	641598.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
907	641623.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
908	641648.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
909	641673.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
910	641698.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
911	641723.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
912	641748.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
913	641773.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
914	641798.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
915	641823.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
916	641848.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
917	643298.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
918	643323.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
919	643348.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
920	643373.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
921	643398.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
922	643423.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
923	643448.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
924	643473.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
925	643498.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
926	643523.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
927	643548.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
928	643573.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
929	643598.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
930	643623.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
931	643648.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
932	643673.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
933	643698.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
934	643723.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
935	643748.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
936	643773.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
937	643798.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
938	643823.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
939	643848.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
940	643873.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
941	643898.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
942	643923.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
943	643948.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
944	643973.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
945	643998.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
946	644023.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
947	644048.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
948	644073.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
949	644098.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
950	644123.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
951	644148.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
952	644173.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
953	644198.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
954	644223.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
955	644248.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
956	644273.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
957	644298.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
958	644323.5	4167411.2	Roadway/Waterway	Scenario 1	--	--	--
959	641298.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
960	641323.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
961	641348.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
962	641373.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
963	641398.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
964	641423.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
965	641448.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
966	641473.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
967	641498.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
968	641523.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
969	641548.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
970	641573.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
971	641598.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
972	641623.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
973	641648.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
974	641673.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
975	641698.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
976	641723.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
977	641748.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
978	641773.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
979	643273.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
980	643298.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
981	643323.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
982	643773.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
983	643798.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
984	643823.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
985	643848.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
986	643873.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
987	643898.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
988	643923.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
989	643948.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
990	643973.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
991	643998.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
992	644023.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
993	644048.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
994	644073.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
995	644098.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
996	644123.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
997	644148.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
998	644173.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
999	644198.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
1000	644223.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
1001	644248.5	4167436.2	Roadway/Waterway	Scenario 1	--	--	--
1002	641323.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1003	641348.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1004	641373.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1005	641398.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1006	641423.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1007	641448.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1008	641473.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1009	641498.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1010	641523.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1011	641548.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1012	641573.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1013	641598.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1014	641623.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1015	641648.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1016	641673.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1017	641698.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1018	643248.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1019	643273.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1020	643298.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1021	643923.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1022	643948.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1023	643973.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1024	643998.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1025	644023.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1026	644048.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1027	644073.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1028	644098.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1029	644123.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1030	644148.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1031	644173.5	4167461.2	Roadway/Waterway	Scenario 1	--	--	--
1032	641273.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1033	641298.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1034	641323.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1035	641348.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1036	641373.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1037	641398.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1038	641423.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1039	641448.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1040	641473.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1041	641498.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1042	641523.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1043	641548.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1044	641573.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1045	641598.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1046	643223.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1047	643248.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1048	643273.5	4167486.2	Roadway/Waterway	Scenario 1	--	--	--
1049	641198.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--
1050	641223.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1051	641248.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--
1052	641273.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--
1053	641298.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--
1054	641323.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--
1055	641348.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--
1056	641373.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--
1057	641398.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--
1058	641423.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--
1059	641448.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--
1060	641473.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--
1061	641498.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--
1062	641523.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--
1063	643223.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--
1064	643248.5	4167511.2	Roadway/Waterway	Scenario 1	--	--	--
1065	641098.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1066	641123.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1067	641148.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1068	641173.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1069	641198.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1070	641223.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1071	641248.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1072	641273.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1073	641298.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1074	641323.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1075	641348.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1076	641373.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1077	641398.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1078	641423.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1079	643198.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1080	643223.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1081	643248.5	4167536.2	Roadway/Waterway	Scenario 1	--	--	--
1082	641023.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1083	641048.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1084	641073.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1085	641098.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1086	641123.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1087	641148.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1088	641173.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1089	641198.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1090	641223.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1091	641248.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1092	641273.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1093	641298.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1094	641323.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1095	641348.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1096	643173.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1097	643198.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1098	643223.5	4167561.2	Roadway/Waterway	Scenario 1	--	--	--
1099	640923.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1100	640948.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1101	640973.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1102	640998.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1103	641023.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1104	641048.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1105	641073.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1106	641098.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1107	641123.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1108	641148.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1109	641173.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1110	641198.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1111	641223.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1112	641248.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1113	641273.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1114	643148.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1115	643173.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1116	643198.5	4167586.2	Roadway/Waterway	Scenario 1	--	--	--
1117	640823.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1118	640848.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1119	640873.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1120	640898.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1121	640923.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1122	640948.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1123	640973.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1124	640998.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1125	641023.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1126	641048.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1127	641073.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1128	641098.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1129	641123.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1130	641148.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1131	641173.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1132	643123.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1133	643148.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1134	643173.5	4167611.2	Roadway/Waterway	Scenario 1	--	--	--
1135	640723.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1136	640748.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1137	640773.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1138	640798.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1139	640823.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1140	640848.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1141	640873.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1142	640898.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1143	640923.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1144	640948.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1145	640973.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1146	640998.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1147	641023.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1148	641048.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1149	641073.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1150	641098.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1151	643123.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1152	643148.5	4167636.2	Roadway/Waterway	Scenario 1	--	--	--
1153	640623.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1154	640648.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1155	640673.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1156	640698.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1157	640723.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1158	640748.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1159	640773.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1160	640798.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1161	640823.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1162	640848.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1163	640873.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1164	640898.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1165	640923.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1166	640948.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1167	640973.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1168	640998.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1169	643098.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1170	643123.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1171	643148.5	4167661.2	Roadway/Waterway	Scenario 1	--	--	--
1172	640523.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1173	640548.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1174	640573.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1175	640598.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1176	640623.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1177	640648.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1178	640673.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1179	640698.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1180	640723.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1181	640748.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1182	640773.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1183	640798.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1184	640823.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1185	640848.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1186	640873.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1187	640898.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1188	643073.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1189	643098.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--
1190	643123.5	4167686.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1191	640423.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1192	640448.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1193	640473.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1194	640498.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1195	640523.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1196	640548.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1197	640573.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1198	640598.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1199	640623.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1200	640648.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1201	640673.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1202	640698.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1203	640723.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1204	640748.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1205	640773.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1206	640798.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1207	643048.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1208	643073.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1209	643098.5	4167711.2	Roadway/Waterway	Scenario 1	--	--	--
1210	640373.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1211	640398.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1212	640423.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1213	640448.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1214	640473.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1215	640498.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1216	640523.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1217	640548.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1218	640573.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1219	640598.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1220	640623.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1221	640648.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1222	640673.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1223	640698.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1224	640723.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1225	643023.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1226	643048.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1227	643073.5	4167736.2	Roadway/Waterway	Scenario 1	--	--	--
1228	640323.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1229	640348.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1230	640373.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1231	640398.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1232	640423.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1233	640448.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1234	640473.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1235	640498.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1236	640523.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1237	640548.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1238	640573.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1239	640598.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1240	640623.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1241	643023.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1242	643048.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1243	643073.5	4167761.2	Roadway/Waterway	Scenario 1	--	--	--
1244	640273.5	4167786.2	Roadway/Waterway	Scenario 1	--	--	--
1245	640298.5	4167786.2	Roadway/Waterway	Scenario 1	--	--	--
1246	640323.5	4167786.2	Roadway/Waterway	Scenario 1	--	--	--
1247	640348.5	4167786.2	Roadway/Waterway	Scenario 1	--	--	--
1248	640373.5	4167786.2	Roadway/Waterway	Scenario 1	--	--	--
1249	640398.5	4167786.2	Roadway/Waterway	Scenario 1	--	--	--
1250	640423.5	4167786.2	Roadway/Waterway	Scenario 1	--	--	--
1251	640448.5	4167786.2	Roadway/Waterway	Scenario 1	--	--	--
1252	640473.5	4167786.2	Roadway/Waterway	Scenario 1	--	--	--
1253	640498.5	4167786.2	Roadway/Waterway	Scenario 1	--	--	--
1254	640523.5	4167786.2	Roadway/Waterway	Scenario 1	--	--	--
1255	642998.5	4167786.2	Roadway/Waterway	Scenario 1	--	--	--
1256	643023.5	4167786.2	Roadway/Waterway	Scenario 1	--	--	--
1257	643048.5	4167786.2	Roadway/Waterway	Scenario 1	--	--	--
1258	640223.5	4167811.2	Roadway/Waterway	Scenario 1	--	--	--
1259	640248.5	4167811.2	Roadway/Waterway	Scenario 1	--	--	--
1260	640273.5	4167811.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1261	640298.5	4167811.2	Roadway/Waterway	Scenario 1	--	--	--
1262	640323.5	4167811.2	Roadway/Waterway	Scenario 1	--	--	--
1263	640348.5	4167811.2	Roadway/Waterway	Scenario 1	--	--	--
1264	640373.5	4167811.2	Roadway/Waterway	Scenario 1	--	--	--
1265	640398.5	4167811.2	Roadway/Waterway	Scenario 1	--	--	--
1266	640423.5	4167811.2	Roadway/Waterway	Scenario 1	--	--	--
1267	642973.5	4167811.2	Roadway/Waterway	Scenario 1	--	--	--
1268	642998.5	4167811.2	Roadway/Waterway	Scenario 1	--	--	--
1269	643023.5	4167811.2	Roadway/Waterway	Scenario 1	--	--	--
1270	640198.5	4167836.2	Roadway/Waterway	Scenario 1	--	--	--
1271	640223.5	4167836.2	Roadway/Waterway	Scenario 1	--	--	--
1272	640248.5	4167836.2	Roadway/Waterway	Scenario 1	--	--	--
1273	640273.5	4167836.2	Roadway/Waterway	Scenario 1	--	--	--
1274	640298.5	4167836.2	Roadway/Waterway	Scenario 1	--	--	--
1275	640323.5	4167836.2	Roadway/Waterway	Scenario 1	--	--	--
1276	640348.5	4167836.2	Roadway/Waterway	Scenario 1	--	--	--
1277	640373.5	4167836.2	Roadway/Waterway	Scenario 1	--	--	--
1278	642923.5	4167836.2	Roadway/Waterway	Scenario 1	--	--	--
1279	642948.5	4167836.2	Roadway/Waterway	Scenario 1	--	--	--
1280	642973.5	4167836.2	Roadway/Waterway	Scenario 1	--	--	--
1281	642998.5	4167836.2	Roadway/Waterway	Scenario 1	--	--	--
1282	640148.5	4167861.2	Roadway/Waterway	Scenario 1	--	--	--
1283	640173.5	4167861.2	Roadway/Waterway	Scenario 1	--	--	--
1284	640198.5	4167861.2	Roadway/Waterway	Scenario 1	--	--	--
1285	640223.5	4167861.2	Roadway/Waterway	Scenario 1	--	--	--
1286	640248.5	4167861.2	Roadway/Waterway	Scenario 1	--	--	--
1287	640273.5	4167861.2	Roadway/Waterway	Scenario 1	--	--	--
1288	640298.5	4167861.2	Roadway/Waterway	Scenario 1	--	--	--
1289	640323.5	4167861.2	Roadway/Waterway	Scenario 1	--	--	--
1290	642898.5	4167861.2	Roadway/Waterway	Scenario 1	--	--	--
1291	642923.5	4167861.2	Roadway/Waterway	Scenario 1	--	--	--
1292	642948.5	4167861.2	Roadway/Waterway	Scenario 1	--	--	--
1293	642973.5	4167861.2	Roadway/Waterway	Scenario 1	--	--	--
1294	640123.5	4167886.2	Roadway/Waterway	Scenario 1	--	--	--
1295	640148.5	4167886.2	Roadway/Waterway	Scenario 1	--	--	--
1296	640173.5	4167886.2	Roadway/Waterway	Scenario 1	--	--	--
1297	640198.5	4167886.2	Roadway/Waterway	Scenario 1	--	--	--
1298	640223.5	4167886.2	Roadway/Waterway	Scenario 1	--	--	--
1299	640248.5	4167886.2	Roadway/Waterway	Scenario 1	--	--	--
1300	640273.5	4167886.2	Roadway/Waterway	Scenario 1	--	--	--
1301	642848.5	4167886.2	Roadway/Waterway	Scenario 1	--	--	--
1302	642873.5	4167886.2	Roadway/Waterway	Scenario 1	--	--	--
1303	642898.5	4167886.2	Roadway/Waterway	Scenario 1	--	--	--
1304	642923.5	4167886.2	Roadway/Waterway	Scenario 1	--	--	--
1305	642948.5	4167886.2	Roadway/Waterway	Scenario 1	--	--	--
1306	640073.5	4167911.2	Roadway/Waterway	Scenario 1	--	--	--
1307	640098.5	4167911.2	Roadway/Waterway	Scenario 1	--	--	--
1308	640123.5	4167911.2	Roadway/Waterway	Scenario 1	--	--	--
1309	640148.5	4167911.2	Roadway/Waterway	Scenario 1	--	--	--
1310	640173.5	4167911.2	Roadway/Waterway	Scenario 1	--	--	--
1311	640198.5	4167911.2	Roadway/Waterway	Scenario 1	--	--	--
1312	640223.5	4167911.2	Roadway/Waterway	Scenario 1	--	--	--
1313	640248.5	4167911.2	Roadway/Waterway	Scenario 1	--	--	--
1314	642823.5	4167911.2	Roadway/Waterway	Scenario 1	--	--	--
1315	642848.5	4167911.2	Roadway/Waterway	Scenario 1	--	--	--
1316	642873.5	4167911.2	Roadway/Waterway	Scenario 1	--	--	--
1317	642898.5	4167911.2	Roadway/Waterway	Scenario 1	--	--	--
1318	642923.5	4167911.2	Roadway/Waterway	Scenario 1	--	--	--
1319	640048.5	4167936.2	Roadway/Waterway	Scenario 1	--	--	--
1320	640073.5	4167936.2	Roadway/Waterway	Scenario 1	--	--	--
1321	640098.5	4167936.2	Roadway/Waterway	Scenario 1	--	--	--
1322	640123.5	4167936.2	Roadway/Waterway	Scenario 1	--	--	--
1323	640148.5	4167936.2	Roadway/Waterway	Scenario 1	--	--	--
1324	640173.5	4167936.2	Roadway/Waterway	Scenario 1	--	--	--
1325	640198.5	4167936.2	Roadway/Waterway	Scenario 1	--	--	--
1326	642773.5	4167936.2	Roadway/Waterway	Scenario 1	--	--	--
1327	642798.5	4167936.2	Roadway/Waterway	Scenario 1	--	--	--
1328	642823.5	4167936.2	Roadway/Waterway	Scenario 1	--	--	--
1329	642848.5	4167936.2	Roadway/Waterway	Scenario 1	--	--	--
1330	642873.5	4167936.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1331	639998.5	4167961.2	Roadway/Waterway	Scenario 1	--	--	--
1332	640023.5	4167961.2	Roadway/Waterway	Scenario 1	--	--	--
1333	640048.5	4167961.2	Roadway/Waterway	Scenario 1	--	--	--
1334	640073.5	4167961.2	Roadway/Waterway	Scenario 1	--	--	--
1335	640098.5	4167961.2	Roadway/Waterway	Scenario 1	--	--	--
1336	640123.5	4167961.2	Roadway/Waterway	Scenario 1	--	--	--
1337	640148.5	4167961.2	Roadway/Waterway	Scenario 1	--	--	--
1338	640173.5	4167961.2	Roadway/Waterway	Scenario 1	--	--	--
1339	642748.5	4167961.2	Roadway/Waterway	Scenario 1	--	--	--
1340	642773.5	4167961.2	Roadway/Waterway	Scenario 1	--	--	--
1341	642798.5	4167961.2	Roadway/Waterway	Scenario 1	--	--	--
1342	642823.5	4167961.2	Roadway/Waterway	Scenario 1	--	--	--
1343	642848.5	4167961.2	Roadway/Waterway	Scenario 1	--	--	--
1344	639973.5	4167986.2	Roadway/Waterway	Scenario 1	--	--	--
1345	639998.5	4167986.2	Roadway/Waterway	Scenario 1	--	--	--
1346	640023.5	4167986.2	Roadway/Waterway	Scenario 1	--	--	--
1347	640048.5	4167986.2	Roadway/Waterway	Scenario 1	--	--	--
1348	640073.5	4167986.2	Roadway/Waterway	Scenario 1	--	--	--
1349	640098.5	4167986.2	Roadway/Waterway	Scenario 1	--	--	--
1350	640123.5	4167986.2	Roadway/Waterway	Scenario 1	--	--	--
1351	642698.5	4167986.2	Roadway/Waterway	Scenario 1	--	--	--
1352	642723.5	4167986.2	Roadway/Waterway	Scenario 1	--	--	--
1353	642748.5	4167986.2	Roadway/Waterway	Scenario 1	--	--	--
1354	642773.5	4167986.2	Roadway/Waterway	Scenario 1	--	--	--
1355	642798.5	4167986.2	Roadway/Waterway	Scenario 1	--	--	--
1356	639923.5	4168011.2	Roadway/Waterway	Scenario 1	--	--	--
1357	639948.5	4168011.2	Roadway/Waterway	Scenario 1	--	--	--
1358	639973.5	4168011.2	Roadway/Waterway	Scenario 1	--	--	--
1359	639998.5	4168011.2	Roadway/Waterway	Scenario 1	--	--	--
1360	640023.5	4168011.2	Roadway/Waterway	Scenario 1	--	--	--
1361	640048.5	4168011.2	Roadway/Waterway	Scenario 1	--	--	--
1362	640073.5	4168011.2	Roadway/Waterway	Scenario 1	--	--	--
1363	640098.5	4168011.2	Roadway/Waterway	Scenario 1	--	--	--
1364	642648.5	4168011.2	Roadway/Waterway	Scenario 1	--	--	--
1365	642673.5	4168011.2	Roadway/Waterway	Scenario 1	--	--	--
1366	642698.5	4168011.2	Roadway/Waterway	Scenario 1	--	--	--
1367	642723.5	4168011.2	Roadway/Waterway	Scenario 1	--	--	--
1368	642748.5	4168011.2	Roadway/Waterway	Scenario 1	--	--	--
1369	642773.5	4168011.2	Roadway/Waterway	Scenario 1	--	--	--
1370	639898.5	4168036.2	Roadway/Waterway	Scenario 1	--	--	--
1371	639923.5	4168036.2	Roadway/Waterway	Scenario 1	--	--	--
1372	639948.5	4168036.2	Roadway/Waterway	Scenario 1	--	--	--
1373	639973.5	4168036.2	Roadway/Waterway	Scenario 1	--	--	--
1374	639998.5	4168036.2	Roadway/Waterway	Scenario 1	--	--	--
1375	640023.5	4168036.2	Roadway/Waterway	Scenario 1	--	--	--
1376	640048.5	4168036.2	Roadway/Waterway	Scenario 1	--	--	--
1377	642623.5	4168036.2	Roadway/Waterway	Scenario 1	--	--	--
1378	642648.5	4168036.2	Roadway/Waterway	Scenario 1	--	--	--
1379	642673.5	4168036.2	Roadway/Waterway	Scenario 1	--	--	--
1380	642698.5	4168036.2	Roadway/Waterway	Scenario 1	--	--	--
1381	642723.5	4168036.2	Roadway/Waterway	Scenario 1	--	--	--
1382	639848.5	4168061.2	Roadway/Waterway	Scenario 1	--	--	--
1383	639873.5	4168061.2	Roadway/Waterway	Scenario 1	--	--	--
1384	639898.5	4168061.2	Roadway/Waterway	Scenario 1	--	--	--
1385	639923.5	4168061.2	Roadway/Waterway	Scenario 1	--	--	--
1386	639948.5	4168061.2	Roadway/Waterway	Scenario 1	--	--	--
1387	639973.5	4168061.2	Roadway/Waterway	Scenario 1	--	--	--
1388	639998.5	4168061.2	Roadway/Waterway	Scenario 1	--	--	--
1389	642573.5	4168061.2	Roadway/Waterway	Scenario 1	--	--	--
1390	642598.5	4168061.2	Roadway/Waterway	Scenario 1	--	--	--
1391	642623.5	4168061.2	Roadway/Waterway	Scenario 1	--	--	--
1392	642648.5	4168061.2	Roadway/Waterway	Scenario 1	--	--	--
1393	642673.5	4168061.2	Roadway/Waterway	Scenario 1	--	--	--
1394	639823.5	4168086.2	Roadway/Waterway	Scenario 1	--	--	--
1395	639848.5	4168086.2	Roadway/Waterway	Scenario 1	--	--	--
1396	639873.5	4168086.2	Roadway/Waterway	Scenario 1	--	--	--
1397	639898.5	4168086.2	Roadway/Waterway	Scenario 1	--	--	--
1398	639923.5	4168086.2	Roadway/Waterway	Scenario 1	--	--	--
1399	639948.5	4168086.2	Roadway/Waterway	Scenario 1	--	--	--
1400	639973.5	4168086.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1401	642548.5	4168086.2	Roadway/Waterway	Scenario 1	--	--	--
1402	642573.5	4168086.2	Roadway/Waterway	Scenario 1	--	--	--
1403	642598.5	4168086.2	Roadway/Waterway	Scenario 1	--	--	--
1404	642623.5	4168086.2	Roadway/Waterway	Scenario 1	--	--	--
1405	642648.5	4168086.2	Roadway/Waterway	Scenario 1	--	--	--
1406	639773.5	4168111.2	Roadway/Waterway	Scenario 1	--	--	--
1407	639798.5	4168111.2	Roadway/Waterway	Scenario 1	--	--	--
1408	639823.5	4168111.2	Roadway/Waterway	Scenario 1	--	--	--
1409	639848.5	4168111.2	Roadway/Waterway	Scenario 1	--	--	--
1410	639873.5	4168111.2	Roadway/Waterway	Scenario 1	--	--	--
1411	639898.5	4168111.2	Roadway/Waterway	Scenario 1	--	--	--
1412	639923.5	4168111.2	Roadway/Waterway	Scenario 1	--	--	--
1413	642498.5	4168111.2	Roadway/Waterway	Scenario 1	--	--	--
1414	642523.5	4168111.2	Roadway/Waterway	Scenario 1	--	--	--
1415	642548.5	4168111.2	Roadway/Waterway	Scenario 1	--	--	--
1416	642573.5	4168111.2	Roadway/Waterway	Scenario 1	--	--	--
1417	642598.5	4168111.2	Roadway/Waterway	Scenario 1	--	--	--
1418	639748.5	4168136.2	Roadway/Waterway	Scenario 1	--	--	--
1419	639773.5	4168136.2	Roadway/Waterway	Scenario 1	--	--	--
1420	639798.5	4168136.2	Roadway/Waterway	Scenario 1	--	--	--
1421	639823.5	4168136.2	Roadway/Waterway	Scenario 1	--	--	--
1422	639848.5	4168136.2	Roadway/Waterway	Scenario 1	--	--	--
1423	639873.5	4168136.2	Roadway/Waterway	Scenario 1	--	--	--
1424	639898.5	4168136.2	Roadway/Waterway	Scenario 1	--	--	--
1425	642473.5	4168136.2	Roadway/Waterway	Scenario 1	--	--	--
1426	642498.5	4168136.2	Roadway/Waterway	Scenario 1	--	--	--
1427	642523.5	4168136.2	Roadway/Waterway	Scenario 1	--	--	--
1428	642548.5	4168136.2	Roadway/Waterway	Scenario 1	--	--	--
1429	642573.5	4168136.2	Roadway/Waterway	Scenario 1	--	--	--
1430	639698.5	4168161.2	Roadway/Waterway	Scenario 1	--	--	--
1431	639723.5	4168161.2	Roadway/Waterway	Scenario 1	--	--	--
1432	639748.5	4168161.2	Roadway/Waterway	Scenario 1	--	--	--
1433	639773.5	4168161.2	Roadway/Waterway	Scenario 1	--	--	--
1434	639798.5	4168161.2	Roadway/Waterway	Scenario 1	--	--	--
1435	639823.5	4168161.2	Roadway/Waterway	Scenario 1	--	--	--
1436	639848.5	4168161.2	Roadway/Waterway	Scenario 1	--	--	--
1437	642448.5	4168161.2	Roadway/Waterway	Scenario 1	--	--	--
1438	642473.5	4168161.2	Roadway/Waterway	Scenario 1	--	--	--
1439	642498.5	4168161.2	Roadway/Waterway	Scenario 1	--	--	--
1440	642523.5	4168161.2	Roadway/Waterway	Scenario 1	--	--	--
1441	639673.5	4168186.2	Roadway/Waterway	Scenario 1	--	--	--
1442	639698.5	4168186.2	Roadway/Waterway	Scenario 1	--	--	--
1443	639723.5	4168186.2	Roadway/Waterway	Scenario 1	--	--	--
1444	639748.5	4168186.2	Roadway/Waterway	Scenario 1	--	--	--
1445	639773.5	4168186.2	Roadway/Waterway	Scenario 1	--	--	--
1446	639798.5	4168186.2	Roadway/Waterway	Scenario 1	--	--	--
1447	639823.5	4168186.2	Roadway/Waterway	Scenario 1	--	--	--
1448	642423.5	4168186.2	Roadway/Waterway	Scenario 1	--	--	--
1449	642448.5	4168186.2	Roadway/Waterway	Scenario 1	--	--	--
1450	642473.5	4168186.2	Roadway/Waterway	Scenario 1	--	--	--
1451	642498.5	4168186.2	Roadway/Waterway	Scenario 1	--	--	--
1452	639648.5	4168211.2	Roadway/Waterway	Scenario 1	--	--	--
1453	639673.5	4168211.2	Roadway/Waterway	Scenario 1	--	--	--
1454	639698.5	4168211.2	Roadway/Waterway	Scenario 1	--	--	--
1455	639723.5	4168211.2	Roadway/Waterway	Scenario 1	--	--	--
1456	639748.5	4168211.2	Roadway/Waterway	Scenario 1	--	--	--
1457	639773.5	4168211.2	Roadway/Waterway	Scenario 1	--	--	--
1458	642398.5	4168211.2	Roadway/Waterway	Scenario 1	--	--	--
1459	642423.5	4168211.2	Roadway/Waterway	Scenario 1	--	--	--
1460	642448.5	4168211.2	Roadway/Waterway	Scenario 1	--	--	--
1461	642473.5	4168211.2	Roadway/Waterway	Scenario 1	--	--	--
1462	639648.5	4168236.2	Roadway/Waterway	Scenario 1	--	--	--
1463	639673.5	4168236.2	Roadway/Waterway	Scenario 1	--	--	--
1464	639698.5	4168236.2	Roadway/Waterway	Scenario 1	--	--	--
1465	639723.5	4168236.2	Roadway/Waterway	Scenario 1	--	--	--
1466	639748.5	4168236.2	Roadway/Waterway	Scenario 1	--	--	--
1467	642373.5	4168236.2	Roadway/Waterway	Scenario 1	--	--	--
1468	642398.5	4168236.2	Roadway/Waterway	Scenario 1	--	--	--
1469	642423.5	4168236.2	Roadway/Waterway	Scenario 1	--	--	--
1470	642448.5	4168236.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1471	639648.5	4168261.2	Roadway/Waterway	Scenario 1	--	--	--
1472	639673.5	4168261.2	Roadway/Waterway	Scenario 1	--	--	--
1473	639698.5	4168261.2	Roadway/Waterway	Scenario 1	--	--	--
1474	642348.5	4168261.2	Roadway/Waterway	Scenario 1	--	--	--
1475	642373.5	4168261.2	Roadway/Waterway	Scenario 1	--	--	--
1476	642398.5	4168261.2	Roadway/Waterway	Scenario 1	--	--	--
1477	642423.5	4168261.2	Roadway/Waterway	Scenario 1	--	--	--
1478	639648.5	4168286.2	Roadway/Waterway	Scenario 1	--	--	--
1479	639673.5	4168286.2	Roadway/Waterway	Scenario 1	--	--	--
1480	642298.5	4168286.2	Roadway/Waterway	Scenario 1	--	--	--
1481	642323.5	4168286.2	Roadway/Waterway	Scenario 1	--	--	--
1482	642348.5	4168286.2	Roadway/Waterway	Scenario 1	--	--	--
1483	642373.5	4168286.2	Roadway/Waterway	Scenario 1	--	--	--
1484	642398.5	4168286.2	Roadway/Waterway	Scenario 1	--	--	--
1485	639723.5	4168311.2	Roadway/Waterway	Scenario 1	--	--	--
1486	642248.5	4168311.2	Roadway/Waterway	Scenario 1	--	--	--
1487	642273.5	4168311.2	Roadway/Waterway	Scenario 1	--	--	--
1488	642298.5	4168311.2	Roadway/Waterway	Scenario 1	--	--	--
1489	642323.5	4168311.2	Roadway/Waterway	Scenario 1	--	--	--
1490	642348.5	4168311.2	Roadway/Waterway	Scenario 1	--	--	--
1491	642373.5	4168311.2	Roadway/Waterway	Scenario 1	--	--	--
1492	639723.5	4168336.2	Roadway/Waterway	Scenario 1	--	--	--
1493	642198.5	4168336.2	Roadway/Waterway	Scenario 1	--	--	--
1494	642223.5	4168336.2	Roadway/Waterway	Scenario 1	--	--	--
1495	642248.5	4168336.2	Roadway/Waterway	Scenario 1	--	--	--
1496	642273.5	4168336.2	Roadway/Waterway	Scenario 1	--	--	--
1497	642298.5	4168336.2	Roadway/Waterway	Scenario 1	--	--	--
1498	642323.5	4168336.2	Roadway/Waterway	Scenario 1	--	--	--
1499	639373.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1500	639398.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1501	639423.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1502	639448.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1503	639473.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1504	639498.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1505	639523.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1506	639548.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1507	639723.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1508	642148.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1509	642173.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1510	642198.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1511	642223.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1512	642248.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1513	642273.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1514	642298.5	4168361.2	Roadway/Waterway	Scenario 1	--	--	--
1515	639323.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1516	639348.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1517	639373.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1518	639398.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1519	639423.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1520	639448.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1521	639473.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1522	639498.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1523	639723.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1524	642098.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1525	642123.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1526	642148.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1527	642173.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1528	642198.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1529	642223.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1530	642248.5	4168386.2	Roadway/Waterway	Scenario 1	--	--	--
1531	639298.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1532	639323.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1533	639348.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1534	639373.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1535	639398.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1536	639423.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1537	639448.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1538	639473.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1539	639723.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1540	642023.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1541	642048.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1542	642073.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1543	642098.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1544	642123.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1545	642148.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1546	642173.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1547	642198.5	4168411.2	Roadway/Waterway	Scenario 1	--	--	--
1548	639248.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1549	639273.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1550	639298.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1551	639323.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1552	639348.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1553	639373.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1554	639398.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1555	639423.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1556	639723.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1557	641973.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1558	641998.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1559	642023.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1560	642048.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1561	642073.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1562	642098.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1563	642123.5	4168436.2	Roadway/Waterway	Scenario 1	--	--	--
1564	639198.5	4168461.2	Roadway/Waterway	Scenario 1	--	--	--
1565	639223.5	4168461.2	Roadway/Waterway	Scenario 1	--	--	--
1566	639248.5	4168461.2	Roadway/Waterway	Scenario 1	--	--	--
1567	639273.5	4168461.2	Roadway/Waterway	Scenario 1	--	--	--
1568	639298.5	4168461.2	Roadway/Waterway	Scenario 1	--	--	--
1569	639323.5	4168461.2	Roadway/Waterway	Scenario 1	--	--	--
1570	639348.5	4168461.2	Roadway/Waterway	Scenario 1	--	--	--
1571	639373.5	4168461.2	Roadway/Waterway	Scenario 1	--	--	--
1572	641923.5	4168461.2	Roadway/Waterway	Scenario 1	--	--	--
1573	641948.5	4168461.2	Roadway/Waterway	Scenario 1	--	--	--
1574	641973.5	4168461.2	Roadway/Waterway	Scenario 1	--	--	--
1575	641998.5	4168461.2	Roadway/Waterway	Scenario 1	--	--	--
1576	642023.5	4168461.2	Roadway/Waterway	Scenario 1	--	--	--
1577	642048.5	4168461.2	Roadway/Waterway	Scenario 1	--	--	--
1578	642073.5	4168461.2	Roadway/Waterway	Scenario 1	--	--	--
1579	639173.5	4168486.2	Roadway/Waterway	Scenario 1	--	--	--
1580	639198.5	4168486.2	Roadway/Waterway	Scenario 1	--	--	--
1581	639223.5	4168486.2	Roadway/Waterway	Scenario 1	--	--	--
1582	639248.5	4168486.2	Roadway/Waterway	Scenario 1	--	--	--
1583	639273.5	4168486.2	Roadway/Waterway	Scenario 1	--	--	--
1584	639298.5	4168486.2	Roadway/Waterway	Scenario 1	--	--	--
1585	639323.5	4168486.2	Roadway/Waterway	Scenario 1	--	--	--
1586	641848.5	4168486.2	Roadway/Waterway	Scenario 1	--	--	--
1587	641873.5	4168486.2	Roadway/Waterway	Scenario 1	--	--	--
1588	641898.5	4168486.2	Roadway/Waterway	Scenario 1	--	--	--
1589	641923.5	4168486.2	Roadway/Waterway	Scenario 1	--	--	--
1590	641948.5	4168486.2	Roadway/Waterway	Scenario 1	--	--	--
1591	641973.5	4168486.2	Roadway/Waterway	Scenario 1	--	--	--
1592	641998.5	4168486.2	Roadway/Waterway	Scenario 1	--	--	--
1593	642023.5	4168486.2	Roadway/Waterway	Scenario 1	--	--	--
1594	639123.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1595	639148.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1596	639173.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1597	639198.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1598	639223.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1599	639248.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1600	639273.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1601	639298.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1602	641348.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1603	641798.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1604	641823.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1605	641848.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1606	641873.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1607	641898.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1608	641923.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1609	641948.5	4168511.2	Roadway/Waterway	Scenario 1	--	--	--
1610	639073.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1611	639098.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1612	639123.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1613	639148.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1614	639173.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1615	639198.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1616	639223.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1617	639248.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1618	641348.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1619	641723.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1620	641748.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1621	641773.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1622	641798.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1623	641823.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1624	641848.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1625	641873.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1626	641898.5	4168536.2	Roadway/Waterway	Scenario 1	--	--	--
1627	639048.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1628	639073.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1629	639098.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1630	639123.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1631	639148.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1632	639173.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1633	639198.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1634	641348.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1635	641648.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1636	641673.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1637	641698.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1638	641723.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1639	641748.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1640	641773.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1641	641798.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1642	641823.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1643	641848.5	4168561.2	Roadway/Waterway	Scenario 1	--	--	--
1644	638998.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1645	639023.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1646	639048.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1647	639073.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1648	639098.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1649	639123.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1650	639148.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1651	639173.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1652	641348.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1653	641573.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1654	641598.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1655	641623.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1656	641648.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1657	641673.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1658	641698.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1659	641723.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1660	641748.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1661	641773.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1662	641798.5	4168586.2	Roadway/Waterway	Scenario 1	--	--	--
1663	638948.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1664	638973.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1665	638998.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1666	639023.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1667	639048.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1668	639073.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1669	639098.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1670	639123.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1671	641348.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1672	641498.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1673	641523.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1674	641548.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1675	641573.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1676	641598.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1677	641623.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1678	641648.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1679	641673.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1680	641698.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1681	641723.5	4168611.2	Roadway/Waterway	Scenario 1	--	--	--
1682	638923.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1683	638948.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1684	638973.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1685	638998.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1686	639023.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1687	639048.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1688	639073.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1689	641348.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1690	641423.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1691	641448.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1692	641473.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1693	641498.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1694	641523.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1695	641548.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1696	641573.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1697	641598.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1698	641623.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1699	641648.5	4168636.2	Roadway/Waterway	Scenario 1	--	--	--
1700	638873.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1701	638898.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1702	638923.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1703	638948.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1704	638973.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1705	638998.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1706	639023.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1707	639048.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1708	641348.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1709	641373.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1710	641398.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1711	641423.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1712	641448.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1713	641473.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1714	641498.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1715	641523.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1716	641548.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1717	641573.5	4168661.2	Roadway/Waterway	Scenario 1	--	--	--
1718	638823.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1719	638848.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1720	638873.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1721	638898.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1722	638923.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1723	638948.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1724	638973.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1725	638998.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1726	641273.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1727	641298.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1728	641323.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1729	641348.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1730	641373.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1731	641398.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1732	641423.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1733	641448.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1734	641473.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1735	641498.5	4168686.2	Roadway/Waterway	Scenario 1	--	--	--
1736	638773.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1737	638798.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1738	638823.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1739	638848.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1740	638873.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1741	638898.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1742	638923.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1743	638948.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1744	641198.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1745	641223.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1746	641248.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1747	641273.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1748	641298.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1749	641323.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1750	641348.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1751	641373.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1752	641398.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1753	641423.5	4168711.2	Roadway/Waterway	Scenario 1	--	--	--
1754	638748.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1755	638773.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1756	638798.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1757	638823.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1758	638848.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1759	638873.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1760	638898.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1761	638923.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1762	640123.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1763	640148.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1764	640173.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1765	640198.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1766	640223.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1767	640248.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1768	640273.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1769	640298.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1770	641123.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1771	641148.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1772	641173.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1773	641198.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1774	641223.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1775	641248.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1776	641273.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1777	641298.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1778	641323.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1779	641348.5	4168736.2	Roadway/Waterway	Scenario 1	--	--	--
1780	638698.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1781	638723.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1782	638748.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1783	638773.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1784	638798.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1785	638823.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1786	638848.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1787	638873.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1788	640098.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1789	640123.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1790	640148.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1791	640173.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1792	640198.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1793	640223.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1794	640248.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1795	640273.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1796	640298.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1797	640323.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1798	640348.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1799	641048.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1800	641073.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1801	641098.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1802	641123.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1803	641148.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1804	641173.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1805	641198.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1806	641223.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1807	641248.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1808	641273.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
1809	638673.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1810	638698.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1811	638723.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1812	638748.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1813	638773.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1814	638798.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1815	638823.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1816	640048.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1817	640073.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1818	640098.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1819	640123.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1820	640148.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1821	640173.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1822	640198.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1823	640223.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1824	640248.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1825	640273.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1826	640298.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1827	640323.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1828	640348.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1829	640373.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1830	640398.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1831	640973.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1832	640998.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1833	641023.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1834	641048.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1835	641073.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1836	641098.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1837	641123.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1838	641148.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1839	641173.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1840	641198.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1841	641223.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
1842	638648.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1843	638673.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1844	638698.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1845	638723.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1846	638748.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1847	638773.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1848	638798.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1849	640048.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1850	640073.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1851	640098.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1852	640123.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1853	640148.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1854	640173.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1855	640198.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1856	640223.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1857	640248.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1858	640273.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1859	640298.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1860	640323.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1861	640348.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1862	640373.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1863	640398.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1864	640423.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1865	640448.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1866	640898.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1867	640923.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1868	640948.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1869	640973.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1870	640998.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1871	641023.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1872	641048.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1873	641073.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1874	641098.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1875	641123.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1876	641148.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
1877	638598.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1878	638623.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1879	638648.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1880	638673.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1881	638698.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1882	638723.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1883	638748.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1884	640023.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1885	640048.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1886	640073.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1887	640098.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1888	640123.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1889	640148.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1890	640298.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1891	640323.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1892	640348.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1893	640373.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1894	640398.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1895	640423.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1896	640448.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1897	640473.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1898	640498.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1899	640823.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1900	640848.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1901	640873.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1902	640898.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1903	640923.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1904	640948.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1905	640973.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1906	640998.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1907	641023.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1908	641048.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1909	641073.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
1910	638573.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1911	638598.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1912	638623.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1913	638648.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1914	638673.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1915	638698.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1916	638723.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1917	639998.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1918	640023.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1919	640048.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1920	640073.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1921	640098.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1922	640348.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1923	640373.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1924	640398.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1925	640423.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1926	640448.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1927	640473.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1928	640498.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1929	640523.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1930	640548.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1931	640748.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1932	640773.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1933	640798.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1934	640823.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1935	640848.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1936	640873.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1937	640898.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1938	640923.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1939	640948.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1940	640973.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1941	640998.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
1942	638548.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1943	638573.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1944	638598.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1945	638623.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1946	638648.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1947	638673.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1948	639973.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1949	639998.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1950	640023.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1951	640048.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1952	640073.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1953	640398.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1954	640423.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1955	640448.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1956	640473.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1957	640498.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1958	640523.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1959	640548.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1960	640573.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1961	640598.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1962	640623.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1963	640648.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1964	640673.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1965	640698.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1966	640723.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1967	640748.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1968	640773.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1969	640798.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1970	640823.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1971	640848.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1972	640873.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1973	640898.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1974	640923.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
1975	638523.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1976	638548.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1977	638573.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1978	638598.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1979	638623.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1980	638648.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1981	639948.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1982	639973.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1983	639998.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1984	640023.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1985	640048.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1986	640448.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1987	640473.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1988	640498.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1989	640523.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1990	640548.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1991	640573.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1992	640598.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1993	640623.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1994	640648.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1995	640673.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1996	640698.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1997	640723.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1998	640748.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
1999	640773.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
2000	640798.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
2001	640823.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
2002	640848.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
2003	638473.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2004	638498.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2005	638523.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2006	638548.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2007	638573.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2008	638598.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2009	638623.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2010	639923.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2011	639948.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2012	639973.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2013	639998.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2014	640023.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2015	640448.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2016	640473.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2017	640498.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2018	640523.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2019	640548.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2020	640573.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2021	640598.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2022	640623.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2023	640648.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2024	640673.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2025	640698.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2026	640723.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2027	640748.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
2028	638448.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2029	638473.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2030	638498.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2031	638523.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2032	638548.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2033	638573.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2034	639898.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2035	639923.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2036	639948.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2037	639973.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2038	639998.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2039	640023.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2040	640448.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2041	640473.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2042	640498.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2043	640523.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2044	640598.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2045	640623.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2046	640648.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2047	640673.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
2048	638423.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2049	638448.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2050	638473.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2051	638498.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2052	638523.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2053	638548.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2054	639873.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2055	639898.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2056	639923.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2057	639948.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2058	639973.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2059	639998.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2060	640448.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2061	640473.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2062	640498.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2063	640523.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
2064	638398.5	4169011.2	Roadway/Waterway	Scenario 1	--	--	--
2065	638423.5	4169011.2	Roadway/Waterway	Scenario 1	--	--	--
2066	638448.5	4169011.2	Roadway/Waterway	Scenario 1	--	--	--
2067	638473.5	4169011.2	Roadway/Waterway	Scenario 1	--	--	--
2068	638498.5	4169011.2	Roadway/Waterway	Scenario 1	--	--	--
2069	638523.5	4169011.2	Roadway/Waterway	Scenario 1	--	--	--
2070	639848.5	4169011.2	Roadway/Waterway	Scenario 1	--	--	--
2071	639873.5	4169011.2	Roadway/Waterway	Scenario 1	--	--	--
2072	639898.5	4169011.2	Roadway/Waterway	Scenario 1	--	--	--
2073	639923.5	4169011.2	Roadway/Waterway	Scenario 1	--	--	--
2074	639948.5	4169011.2	Roadway/Waterway	Scenario 1	--	--	--
2075	639973.5	4169011.2	Roadway/Waterway	Scenario 1	--	--	--
2076	640473.5	4169011.2	Roadway/Waterway	Scenario 1	--	--	--
2077	640498.5	4169011.2	Roadway/Waterway	Scenario 1	--	--	--
2078	638373.5	4169036.2	Roadway/Waterway	Scenario 1	--	--	--
2079	638398.5	4169036.2	Roadway/Waterway	Scenario 1	--	--	--
2080	638423.5	4169036.2	Roadway/Waterway	Scenario 1	--	--	--
2081	638448.5	4169036.2	Roadway/Waterway	Scenario 1	--	--	--
2082	638473.5	4169036.2	Roadway/Waterway	Scenario 1	--	--	--
2083	638498.5	4169036.2	Roadway/Waterway	Scenario 1	--	--	--
2084	639823.5	4169036.2	Roadway/Waterway	Scenario 1	--	--	--
2085	639848.5	4169036.2	Roadway/Waterway	Scenario 1	--	--	--
2086	639873.5	4169036.2	Roadway/Waterway	Scenario 1	--	--	--
2087	639898.5	4169036.2	Roadway/Waterway	Scenario 1	--	--	--
2088	639923.5	4169036.2	Roadway/Waterway	Scenario 1	--	--	--
2089	639948.5	4169036.2	Roadway/Waterway	Scenario 1	--	--	--
2090	640498.5	4169036.2	Roadway/Waterway	Scenario 1	--	--	--
2091	638348.5	4169061.2	Roadway/Waterway	Scenario 1	--	--	--
2092	638373.5	4169061.2	Roadway/Waterway	Scenario 1	--	--	--
2093	638398.5	4169061.2	Roadway/Waterway	Scenario 1	--	--	--
2094	638423.5	4169061.2	Roadway/Waterway	Scenario 1	--	--	--
2095	638448.5	4169061.2	Roadway/Waterway	Scenario 1	--	--	--
2096	639823.5	4169061.2	Roadway/Waterway	Scenario 1	--	--	--
2097	639848.5	4169061.2	Roadway/Waterway	Scenario 1	--	--	--
2098	639873.5	4169061.2	Roadway/Waterway	Scenario 1	--	--	--
2099	639898.5	4169061.2	Roadway/Waterway	Scenario 1	--	--	--
2100	639923.5	4169061.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2101	640498.5	4169061.2	Roadway/Waterway	Scenario 1	--	--	--
2102	638323.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2103	638348.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2104	638373.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2105	638398.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2106	638423.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2107	638448.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2108	639648.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2109	639673.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2110	639698.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2111	639723.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2112	639748.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2113	639773.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2114	639798.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2115	639823.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2116	639848.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2117	639873.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2118	639898.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2119	640498.5	4169086.2	Roadway/Waterway	Scenario 1	--	--	--
2120	638298.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2121	638323.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2122	638348.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2123	638373.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2124	638398.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2125	638423.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2126	639598.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2127	639623.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2128	639648.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2129	639673.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2130	639698.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2131	639723.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2132	639748.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2133	639773.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2134	639798.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2135	639823.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2136	639848.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2137	639873.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2138	640498.5	4169111.2	Roadway/Waterway	Scenario 1	--	--	--
2139	638273.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2140	638298.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2141	638323.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2142	638348.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2143	638373.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2144	638398.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2145	639573.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2146	639598.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2147	639623.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2148	639648.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2149	639673.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2150	639698.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2151	639723.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2152	639748.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2153	639773.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2154	639798.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2155	639823.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2156	639848.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2157	640498.5	4169136.2	Roadway/Waterway	Scenario 1	--	--	--
2158	638248.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2159	638273.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2160	638298.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2161	638323.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2162	638348.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2163	638373.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2164	639548.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2165	639573.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2166	639598.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2167	639623.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2168	639648.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2169	639673.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2170	639698.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2171	639723.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2172	639748.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2173	639773.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2174	639798.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2175	639823.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2176	640498.5	4169161.2	Roadway/Waterway	Scenario 1	--	--	--
2177	638223.5	4169186.2	Roadway/Waterway	Scenario 1	--	--	--
2178	638248.5	4169186.2	Roadway/Waterway	Scenario 1	--	--	--
2179	638273.5	4169186.2	Roadway/Waterway	Scenario 1	--	--	--
2180	638298.5	4169186.2	Roadway/Waterway	Scenario 1	--	--	--
2181	638323.5	4169186.2	Roadway/Waterway	Scenario 1	--	--	--
2182	638348.5	4169186.2	Roadway/Waterway	Scenario 1	--	--	--
2183	639548.5	4169186.2	Roadway/Waterway	Scenario 1	--	--	--
2184	639573.5	4169186.2	Roadway/Waterway	Scenario 1	--	--	--
2185	639598.5	4169186.2	Roadway/Waterway	Scenario 1	--	--	--
2186	639623.5	4169186.2	Roadway/Waterway	Scenario 1	--	--	--
2187	639648.5	4169186.2	Roadway/Waterway	Scenario 1	--	--	--
2188	640498.5	4169186.2	Roadway/Waterway	Scenario 1	--	--	--
2189	638198.5	4169211.2	Roadway/Waterway	Scenario 1	--	--	--
2190	638223.5	4169211.2	Roadway/Waterway	Scenario 1	--	--	--
2191	638248.5	4169211.2	Roadway/Waterway	Scenario 1	--	--	--
2192	638273.5	4169211.2	Roadway/Waterway	Scenario 1	--	--	--
2193	638298.5	4169211.2	Roadway/Waterway	Scenario 1	--	--	--
2194	638323.5	4169211.2	Roadway/Waterway	Scenario 1	--	--	--
2195	639523.5	4169211.2	Roadway/Waterway	Scenario 1	--	--	--
2196	639548.5	4169211.2	Roadway/Waterway	Scenario 1	--	--	--
2197	639573.5	4169211.2	Roadway/Waterway	Scenario 1	--	--	--
2198	639598.5	4169211.2	Roadway/Waterway	Scenario 1	--	--	--
2199	639623.5	4169211.2	Roadway/Waterway	Scenario 1	--	--	--
2200	638173.5	4169236.2	Roadway/Waterway	Scenario 1	--	--	--
2201	638198.5	4169236.2	Roadway/Waterway	Scenario 1	--	--	--
2202	638223.5	4169236.2	Roadway/Waterway	Scenario 1	--	--	--
2203	638248.5	4169236.2	Roadway/Waterway	Scenario 1	--	--	--
2204	638273.5	4169236.2	Roadway/Waterway	Scenario 1	--	--	--
2205	638298.5	4169236.2	Roadway/Waterway	Scenario 1	--	--	--
2206	639523.5	4169236.2	Roadway/Waterway	Scenario 1	--	--	--
2207	639548.5	4169236.2	Roadway/Waterway	Scenario 1	--	--	--
2208	639573.5	4169236.2	Roadway/Waterway	Scenario 1	--	--	--
2209	639598.5	4169236.2	Roadway/Waterway	Scenario 1	--	--	--
2210	638148.5	4169261.2	Roadway/Waterway	Scenario 1	--	--	--
2211	638173.5	4169261.2	Roadway/Waterway	Scenario 1	--	--	--
2212	638198.5	4169261.2	Roadway/Waterway	Scenario 1	--	--	--
2213	638223.5	4169261.2	Roadway/Waterway	Scenario 1	--	--	--
2214	638248.5	4169261.2	Roadway/Waterway	Scenario 1	--	--	--
2215	638273.5	4169261.2	Roadway/Waterway	Scenario 1	--	--	--
2216	639498.5	4169261.2	Roadway/Waterway	Scenario 1	--	--	--
2217	639523.5	4169261.2	Roadway/Waterway	Scenario 1	--	--	--
2218	639548.5	4169261.2	Roadway/Waterway	Scenario 1	--	--	--
2219	639573.5	4169261.2	Roadway/Waterway	Scenario 1	--	--	--
2220	639598.5	4169261.2	Roadway/Waterway	Scenario 1	--	--	--
2221	638123.5	4169286.2	Roadway/Waterway	Scenario 1	--	--	--
2222	638148.5	4169286.2	Roadway/Waterway	Scenario 1	--	--	--
2223	638173.5	4169286.2	Roadway/Waterway	Scenario 1	--	--	--
2224	638198.5	4169286.2	Roadway/Waterway	Scenario 1	--	--	--
2225	638223.5	4169286.2	Roadway/Waterway	Scenario 1	--	--	--
2226	638248.5	4169286.2	Roadway/Waterway	Scenario 1	--	--	--
2227	639473.5	4169286.2	Roadway/Waterway	Scenario 1	--	--	--
2228	639498.5	4169286.2	Roadway/Waterway	Scenario 1	--	--	--
2229	639523.5	4169286.2	Roadway/Waterway	Scenario 1	--	--	--
2230	639548.5	4169286.2	Roadway/Waterway	Scenario 1	--	--	--
2231	639573.5	4169286.2	Roadway/Waterway	Scenario 1	--	--	--
2232	638098.5	4169311.2	Roadway/Waterway	Scenario 1	--	--	--
2233	638123.5	4169311.2	Roadway/Waterway	Scenario 1	--	--	--
2234	638148.5	4169311.2	Roadway/Waterway	Scenario 1	--	--	--
2235	638173.5	4169311.2	Roadway/Waterway	Scenario 1	--	--	--
2236	638198.5	4169311.2	Roadway/Waterway	Scenario 1	--	--	--
2237	638223.5	4169311.2	Roadway/Waterway	Scenario 1	--	--	--
2238	639473.5	4169311.2	Roadway/Waterway	Scenario 1	--	--	--
2239	639498.5	4169311.2	Roadway/Waterway	Scenario 1	--	--	--
2240	639523.5	4169311.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2241	639548.5	4169311.2	Roadway/Waterway	Scenario 1	--	--	--
2242	638073.5	4169336.2	Roadway/Waterway	Scenario 1	--	--	--
2243	638098.5	4169336.2	Roadway/Waterway	Scenario 1	--	--	--
2244	638123.5	4169336.2	Roadway/Waterway	Scenario 1	--	--	--
2245	638148.5	4169336.2	Roadway/Waterway	Scenario 1	--	--	--
2246	638173.5	4169336.2	Roadway/Waterway	Scenario 1	--	--	--
2247	638198.5	4169336.2	Roadway/Waterway	Scenario 1	--	--	--
2248	639448.5	4169336.2	Roadway/Waterway	Scenario 1	--	--	--
2249	639473.5	4169336.2	Roadway/Waterway	Scenario 1	--	--	--
2250	639498.5	4169336.2	Roadway/Waterway	Scenario 1	--	--	--
2251	639523.5	4169336.2	Roadway/Waterway	Scenario 1	--	--	--
2252	639548.5	4169336.2	Roadway/Waterway	Scenario 1	--	--	--
2253	638048.5	4169361.2	Roadway/Waterway	Scenario 1	--	--	--
2254	638073.5	4169361.2	Roadway/Waterway	Scenario 1	--	--	--
2255	638098.5	4169361.2	Roadway/Waterway	Scenario 1	--	--	--
2256	638123.5	4169361.2	Roadway/Waterway	Scenario 1	--	--	--
2257	638148.5	4169361.2	Roadway/Waterway	Scenario 1	--	--	--
2258	638173.5	4169361.2	Roadway/Waterway	Scenario 1	--	--	--
2259	639398.5	4169361.2	Roadway/Waterway	Scenario 1	--	--	--
2260	639423.5	4169361.2	Roadway/Waterway	Scenario 1	--	--	--
2261	639448.5	4169361.2	Roadway/Waterway	Scenario 1	--	--	--
2262	639473.5	4169361.2	Roadway/Waterway	Scenario 1	--	--	--
2263	639498.5	4169361.2	Roadway/Waterway	Scenario 1	--	--	--
2264	639523.5	4169361.2	Roadway/Waterway	Scenario 1	--	--	--
2265	638023.5	4169386.2	Roadway/Waterway	Scenario 1	--	--	--
2266	638048.5	4169386.2	Roadway/Waterway	Scenario 1	--	--	--
2267	638073.5	4169386.2	Roadway/Waterway	Scenario 1	--	--	--
2268	638098.5	4169386.2	Roadway/Waterway	Scenario 1	--	--	--
2269	638123.5	4169386.2	Roadway/Waterway	Scenario 1	--	--	--
2270	638148.5	4169386.2	Roadway/Waterway	Scenario 1	--	--	--
2271	639373.5	4169386.2	Roadway/Waterway	Scenario 1	--	--	--
2272	639398.5	4169386.2	Roadway/Waterway	Scenario 1	--	--	--
2273	639423.5	4169386.2	Roadway/Waterway	Scenario 1	--	--	--
2274	639448.5	4169386.2	Roadway/Waterway	Scenario 1	--	--	--
2275	639473.5	4169386.2	Roadway/Waterway	Scenario 1	--	--	--
2276	639498.5	4169386.2	Roadway/Waterway	Scenario 1	--	--	--
2277	641323.5	4169386.2	Roadway/Waterway	Scenario 1	--	--	--
2278	638023.5	4169411.2	Roadway/Waterway	Scenario 1	--	--	--
2279	638048.5	4169411.2	Roadway/Waterway	Scenario 1	--	--	--
2280	638073.5	4169411.2	Roadway/Waterway	Scenario 1	--	--	--
2281	638098.5	4169411.2	Roadway/Waterway	Scenario 1	--	--	--
2282	638123.5	4169411.2	Roadway/Waterway	Scenario 1	--	--	--
2283	639348.5	4169411.2	Roadway/Waterway	Scenario 1	--	--	--
2284	639373.5	4169411.2	Roadway/Waterway	Scenario 1	--	--	--
2285	639398.5	4169411.2	Roadway/Waterway	Scenario 1	--	--	--
2286	639423.5	4169411.2	Roadway/Waterway	Scenario 1	--	--	--
2287	639448.5	4169411.2	Roadway/Waterway	Scenario 1	--	--	--
2288	639473.5	4169411.2	Roadway/Waterway	Scenario 1	--	--	--
2289	641323.5	4169411.2	Roadway/Waterway	Scenario 1	--	--	--
2290	637998.5	4169436.2	Roadway/Waterway	Scenario 1	--	--	--
2291	638023.5	4169436.2	Roadway/Waterway	Scenario 1	--	--	--
2292	638048.5	4169436.2	Roadway/Waterway	Scenario 1	--	--	--
2293	638073.5	4169436.2	Roadway/Waterway	Scenario 1	--	--	--
2294	638098.5	4169436.2	Roadway/Waterway	Scenario 1	--	--	--
2295	639323.5	4169436.2	Roadway/Waterway	Scenario 1	--	--	--
2296	639348.5	4169436.2	Roadway/Waterway	Scenario 1	--	--	--
2297	639373.5	4169436.2	Roadway/Waterway	Scenario 1	--	--	--
2298	639398.5	4169436.2	Roadway/Waterway	Scenario 1	--	--	--
2299	639423.5	4169436.2	Roadway/Waterway	Scenario 1	--	--	--
2300	639448.5	4169436.2	Roadway/Waterway	Scenario 1	--	--	--
2301	641323.5	4169436.2	Roadway/Waterway	Scenario 1	--	--	--
2302	637998.5	4169461.2	Roadway/Waterway	Scenario 1	--	--	--
2303	638023.5	4169461.2	Roadway/Waterway	Scenario 1	--	--	--
2304	638048.5	4169461.2	Roadway/Waterway	Scenario 1	--	--	--
2305	638073.5	4169461.2	Roadway/Waterway	Scenario 1	--	--	--
2306	639298.5	4169461.2	Roadway/Waterway	Scenario 1	--	--	--
2307	639323.5	4169461.2	Roadway/Waterway	Scenario 1	--	--	--
2308	639348.5	4169461.2	Roadway/Waterway	Scenario 1	--	--	--
2309	639373.5	4169461.2	Roadway/Waterway	Scenario 1	--	--	--
2310	639398.5	4169461.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2311	639423.5	4169461.2	Roadway/Waterway	Scenario 1	--	--	--
2312	641323.5	4169461.2	Roadway/Waterway	Scenario 1	--	--	--
2313	637998.5	4169486.2	Roadway/Waterway	Scenario 1	--	--	--
2314	638023.5	4169486.2	Roadway/Waterway	Scenario 1	--	--	--
2315	638048.5	4169486.2	Roadway/Waterway	Scenario 1	--	--	--
2316	639248.5	4169486.2	Roadway/Waterway	Scenario 1	--	--	--
2317	639273.5	4169486.2	Roadway/Waterway	Scenario 1	--	--	--
2318	639298.5	4169486.2	Roadway/Waterway	Scenario 1	--	--	--
2319	639323.5	4169486.2	Roadway/Waterway	Scenario 1	--	--	--
2320	639348.5	4169486.2	Roadway/Waterway	Scenario 1	--	--	--
2321	639373.5	4169486.2	Roadway/Waterway	Scenario 1	--	--	--
2322	637998.5	4169511.2	Roadway/Waterway	Scenario 1	--	--	--
2323	638023.5	4169511.2	Roadway/Waterway	Scenario 1	--	--	--
2324	639223.5	4169511.2	Roadway/Waterway	Scenario 1	--	--	--
2325	639248.5	4169511.2	Roadway/Waterway	Scenario 1	--	--	--
2326	639273.5	4169511.2	Roadway/Waterway	Scenario 1	--	--	--
2327	639298.5	4169511.2	Roadway/Waterway	Scenario 1	--	--	--
2328	639323.5	4169511.2	Roadway/Waterway	Scenario 1	--	--	--
2329	639348.5	4169511.2	Roadway/Waterway	Scenario 1	--	--	--
2330	637998.5	4169536.2	Roadway/Waterway	Scenario 1	--	--	--
2331	639198.5	4169536.2	Roadway/Waterway	Scenario 1	--	--	--
2332	639223.5	4169536.2	Roadway/Waterway	Scenario 1	--	--	--
2333	639248.5	4169536.2	Roadway/Waterway	Scenario 1	--	--	--
2334	639273.5	4169536.2	Roadway/Waterway	Scenario 1	--	--	--
2335	639298.5	4169536.2	Roadway/Waterway	Scenario 1	--	--	--
2336	639323.5	4169536.2	Roadway/Waterway	Scenario 1	--	--	--
2337	639173.5	4169561.2	Roadway/Waterway	Scenario 1	--	--	--
2338	639198.5	4169561.2	Roadway/Waterway	Scenario 1	--	--	--
2339	639223.5	4169561.2	Roadway/Waterway	Scenario 1	--	--	--
2340	639248.5	4169561.2	Roadway/Waterway	Scenario 1	--	--	--
2341	639273.5	4169561.2	Roadway/Waterway	Scenario 1	--	--	--
2342	639298.5	4169561.2	Roadway/Waterway	Scenario 1	--	--	--
2343	639123.5	4169586.2	Roadway/Waterway	Scenario 1	--	--	--
2344	639148.5	4169586.2	Roadway/Waterway	Scenario 1	--	--	--
2345	639173.5	4169586.2	Roadway/Waterway	Scenario 1	--	--	--
2346	639198.5	4169586.2	Roadway/Waterway	Scenario 1	--	--	--
2347	639223.5	4169586.2	Roadway/Waterway	Scenario 1	--	--	--
2348	639248.5	4169586.2	Roadway/Waterway	Scenario 1	--	--	--
2349	639273.5	4169586.2	Roadway/Waterway	Scenario 1	--	--	--
2350	639098.5	4169611.2	Roadway/Waterway	Scenario 1	--	--	--
2351	639123.5	4169611.2	Roadway/Waterway	Scenario 1	--	--	--
2352	639148.5	4169611.2	Roadway/Waterway	Scenario 1	--	--	--
2353	639173.5	4169611.2	Roadway/Waterway	Scenario 1	--	--	--
2354	639198.5	4169611.2	Roadway/Waterway	Scenario 1	--	--	--
2355	639223.5	4169611.2	Roadway/Waterway	Scenario 1	--	--	--
2356	639073.5	4169636.2	Roadway/Waterway	Scenario 1	--	--	--
2357	639098.5	4169636.2	Roadway/Waterway	Scenario 1	--	--	--
2358	639123.5	4169636.2	Roadway/Waterway	Scenario 1	--	--	--
2359	639148.5	4169636.2	Roadway/Waterway	Scenario 1	--	--	--
2360	639173.5	4169636.2	Roadway/Waterway	Scenario 1	--	--	--
2361	639198.5	4169636.2	Roadway/Waterway	Scenario 1	--	--	--
2362	639048.5	4169661.2	Roadway/Waterway	Scenario 1	--	--	--
2363	639073.5	4169661.2	Roadway/Waterway	Scenario 1	--	--	--
2364	639098.5	4169661.2	Roadway/Waterway	Scenario 1	--	--	--
2365	639123.5	4169661.2	Roadway/Waterway	Scenario 1	--	--	--
2366	639148.5	4169661.2	Roadway/Waterway	Scenario 1	--	--	--
2367	639173.5	4169661.2	Roadway/Waterway	Scenario 1	--	--	--
2368	639023.5	4169686.2	Roadway/Waterway	Scenario 1	--	--	--
2369	639048.5	4169686.2	Roadway/Waterway	Scenario 1	--	--	--
2370	639073.5	4169686.2	Roadway/Waterway	Scenario 1	--	--	--
2371	639098.5	4169686.2	Roadway/Waterway	Scenario 1	--	--	--
2372	639123.5	4169686.2	Roadway/Waterway	Scenario 1	--	--	--
2373	639148.5	4169686.2	Roadway/Waterway	Scenario 1	--	--	--
2374	638998.5	4169711.2	Roadway/Waterway	Scenario 1	--	--	--
2375	639023.5	4169711.2	Roadway/Waterway	Scenario 1	--	--	--
2376	639048.5	4169711.2	Roadway/Waterway	Scenario 1	--	--	--
2377	639073.5	4169711.2	Roadway/Waterway	Scenario 1	--	--	--
2378	639098.5	4169711.2	Roadway/Waterway	Scenario 1	--	--	--
2379	639123.5	4169711.2	Roadway/Waterway	Scenario 1	--	--	--
2380	638973.5	4169736.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2381	638998.5	4169736.2	Roadway/Waterway	Scenario 1	--	--	--
2382	639023.5	4169736.2	Roadway/Waterway	Scenario 1	--	--	--
2383	639048.5	4169736.2	Roadway/Waterway	Scenario 1	--	--	--
2384	639073.5	4169736.2	Roadway/Waterway	Scenario 1	--	--	--
2385	638948.5	4169761.2	Roadway/Waterway	Scenario 1	--	--	--
2386	638973.5	4169761.2	Roadway/Waterway	Scenario 1	--	--	--
2387	638998.5	4169761.2	Roadway/Waterway	Scenario 1	--	--	--
2388	639023.5	4169761.2	Roadway/Waterway	Scenario 1	--	--	--
2389	639048.5	4169761.2	Roadway/Waterway	Scenario 1	--	--	--
2390	638948.5	4169786.2	Roadway/Waterway	Scenario 1	--	--	--
2391	638973.5	4169786.2	Roadway/Waterway	Scenario 1	--	--	--
2392	638998.5	4169786.2	Roadway/Waterway	Scenario 1	--	--	--
2393	639023.5	4169786.2	Roadway/Waterway	Scenario 1	--	--	--
2394	638923.5	4169811.2	Roadway/Waterway	Scenario 1	--	--	--
2395	638948.5	4169811.2	Roadway/Waterway	Scenario 1	--	--	--
2396	638973.5	4169811.2	Roadway/Waterway	Scenario 1	--	--	--
2397	638998.5	4169811.2	Roadway/Waterway	Scenario 1	--	--	--
2398	639023.5	4169811.2	Roadway/Waterway	Scenario 1	--	--	--
2399	638898.5	4169836.2	Roadway/Waterway	Scenario 1	--	--	--
2400	638923.5	4169836.2	Roadway/Waterway	Scenario 1	--	--	--
2401	638948.5	4169836.2	Roadway/Waterway	Scenario 1	--	--	--
2402	638973.5	4169836.2	Roadway/Waterway	Scenario 1	--	--	--
2403	638998.5	4169836.2	Roadway/Waterway	Scenario 1	--	--	--
2404	638873.5	4169861.2	Roadway/Waterway	Scenario 1	--	--	--
2405	638898.5	4169861.2	Roadway/Waterway	Scenario 1	--	--	--
2406	638923.5	4169861.2	Roadway/Waterway	Scenario 1	--	--	--
2407	638948.5	4169861.2	Roadway/Waterway	Scenario 1	--	--	--
2408	638973.5	4169861.2	Roadway/Waterway	Scenario 1	--	--	--
2409	638848.5	4169886.2	Roadway/Waterway	Scenario 1	--	--	--
2410	638873.5	4169886.2	Roadway/Waterway	Scenario 1	--	--	--
2411	638898.5	4169886.2	Roadway/Waterway	Scenario 1	--	--	--
2412	638923.5	4169886.2	Roadway/Waterway	Scenario 1	--	--	--
2413	638948.5	4169886.2	Roadway/Waterway	Scenario 1	--	--	--
2414	638823.5	4169911.2	Roadway/Waterway	Scenario 1	--	--	--
2415	638848.5	4169911.2	Roadway/Waterway	Scenario 1	--	--	--
2416	638873.5	4169911.2	Roadway/Waterway	Scenario 1	--	--	--
2417	638898.5	4169911.2	Roadway/Waterway	Scenario 1	--	--	--
2418	638923.5	4169911.2	Roadway/Waterway	Scenario 1	--	--	--
2419	638798.5	4169936.2	Roadway/Waterway	Scenario 1	--	--	--
2420	638823.5	4169936.2	Roadway/Waterway	Scenario 1	--	--	--
2421	638848.5	4169936.2	Roadway/Waterway	Scenario 1	--	--	--
2422	638873.5	4169936.2	Roadway/Waterway	Scenario 1	--	--	--
2423	638898.5	4169936.2	Roadway/Waterway	Scenario 1	--	--	--
2424	638798.5	4169961.2	Roadway/Waterway	Scenario 1	--	--	--
2425	638823.5	4169961.2	Roadway/Waterway	Scenario 1	--	--	--
2426	638848.5	4169961.2	Roadway/Waterway	Scenario 1	--	--	--
2427	638873.5	4169961.2	Roadway/Waterway	Scenario 1	--	--	--
2428	638798.5	4169986.2	Roadway/Waterway	Scenario 1	--	--	--
2429	638823.5	4169986.2	Roadway/Waterway	Scenario 1	--	--	--
2430	638848.5	4169986.2	Roadway/Waterway	Scenario 1	--	--	--
2431	638873.5	4169986.2	Roadway/Waterway	Scenario 1	--	--	--
2432	638098.5	4170011.2	Roadway/Waterway	Scenario 1	--	--	--
2433	638123.5	4170011.2	Roadway/Waterway	Scenario 1	--	--	--
2434	638148.5	4170011.2	Roadway/Waterway	Scenario 1	--	--	--
2435	638173.5	4170011.2	Roadway/Waterway	Scenario 1	--	--	--
2436	638198.5	4170011.2	Roadway/Waterway	Scenario 1	--	--	--
2437	638223.5	4170011.2	Roadway/Waterway	Scenario 1	--	--	--
2438	638248.5	4170011.2	Roadway/Waterway	Scenario 1	--	--	--
2439	638273.5	4170011.2	Roadway/Waterway	Scenario 1	--	--	--
2440	638298.5	4170011.2	Roadway/Waterway	Scenario 1	--	--	--
2441	638773.5	4170011.2	Roadway/Waterway	Scenario 1	--	--	--
2442	638798.5	4170011.2	Roadway/Waterway	Scenario 1	--	--	--
2443	638823.5	4170011.2	Roadway/Waterway	Scenario 1	--	--	--
2444	638848.5	4170011.2	Roadway/Waterway	Scenario 1	--	--	--
2445	638773.5	4170036.2	Roadway/Waterway	Scenario 1	--	--	--
2446	638798.5	4170036.2	Roadway/Waterway	Scenario 1	--	--	--
2447	638823.5	4170036.2	Roadway/Waterway	Scenario 1	--	--	--
2448	638848.5	4170036.2	Roadway/Waterway	Scenario 1	--	--	--
2449	638773.5	4170061.2	Roadway/Waterway	Scenario 1	--	--	--
2450	638798.5	4170061.2	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2451	638823.5	4170061.2	Roadway/Waterway	Scenario 1	--	--	--
2452	638848.5	4170061.2	Roadway/Waterway	Scenario 1	--	--	--
2453	638748.5	4170086.2	Roadway/Waterway	Scenario 1	--	--	--
2454	638773.5	4170086.2	Roadway/Waterway	Scenario 1	--	--	--
2455	638798.5	4170086.2	Roadway/Waterway	Scenario 1	--	--	--
2456	638823.5	4170086.2	Roadway/Waterway	Scenario 1	--	--	--
2457	638723.5	4170111.2	Roadway/Waterway	Scenario 1	--	--	--
2458	638748.5	4170111.2	Roadway/Waterway	Scenario 1	--	--	--
2459	638773.5	4170111.2	Roadway/Waterway	Scenario 1	--	--	--
2460	638798.5	4170111.2	Roadway/Waterway	Scenario 1	--	--	--
2461	642611.0	4166673.7	Roadway/Waterway	Scenario 1	--	--	--
2462	642661.0	4166673.7	Roadway/Waterway	Scenario 1	--	--	--
2463	642461.0	4166723.7	Roadway/Waterway	Scenario 1	--	--	--
2464	642511.0	4166723.7	Roadway/Waterway	Scenario 1	--	--	--
2465	642561.0	4166723.7	Roadway/Waterway	Scenario 1	--	--	--
2466	642611.0	4166723.7	Roadway/Waterway	Scenario 1	--	--	--
2467	641311.0	4166773.7	Roadway/Waterway	Scenario 1	--	--	--
2468	641361.0	4166773.7	Roadway/Waterway	Scenario 1	--	--	--
2469	641411.0	4166773.7	Roadway/Waterway	Scenario 1	--	--	--
2470	642411.0	4166773.7	Roadway/Waterway	Scenario 1	--	--	--
2471	642461.0	4166773.7	Roadway/Waterway	Scenario 1	--	--	--
2472	642511.0	4166773.7	Roadway/Waterway	Scenario 1	--	--	--
2473	642561.0	4166773.7	Roadway/Waterway	Scenario 1	--	--	--
2474	641261.0	4166823.7	Roadway/Waterway	Scenario 1	--	--	--
2475	641311.0	4166823.7	Roadway/Waterway	Scenario 1	--	--	--
2476	641361.0	4166823.7	Roadway/Waterway	Scenario 1	--	--	--
2477	641411.0	4166823.7	Roadway/Waterway	Scenario 1	--	--	--
2478	641461.0	4166823.7	Roadway/Waterway	Scenario 1	--	--	--
2479	642361.0	4166823.7	Roadway/Waterway	Scenario 1	--	--	--
2480	642411.0	4166823.7	Roadway/Waterway	Scenario 1	--	--	--
2481	642461.0	4166823.7	Roadway/Waterway	Scenario 1	--	--	--
2482	642511.0	4166823.7	Roadway/Waterway	Scenario 1	--	--	--
2483	642561.0	4166823.7	Roadway/Waterway	Scenario 1	--	--	--
2484	644361.0	4166823.7	Roadway/Waterway	Scenario 1	--	--	--
2485	644561.0	4166823.7	Roadway/Waterway	Scenario 1	--	--	--
2486	644611.0	4166823.7	Roadway/Waterway	Scenario 1	--	--	--
2487	644661.0	4166823.7	Roadway/Waterway	Scenario 1	--	--	--
2488	641211.0	4166873.7	Roadway/Waterway	Scenario 1	--	--	--
2489	641261.0	4166873.7	Roadway/Waterway	Scenario 1	--	--	--
2490	641311.0	4166873.7	Roadway/Waterway	Scenario 1	--	--	--
2491	641361.0	4166873.7	Roadway/Waterway	Scenario 1	--	--	--
2492	641411.0	4166873.7	Roadway/Waterway	Scenario 1	--	--	--
2493	641461.0	4166873.7	Roadway/Waterway	Scenario 1	--	--	--
2494	642311.0	4166873.7	Roadway/Waterway	Scenario 1	--	--	--
2495	644411.0	4166873.7	Roadway/Waterway	Scenario 1	--	--	--
2496	644461.0	4166873.7	Roadway/Waterway	Scenario 1	--	--	--
2497	644511.0	4166873.7	Roadway/Waterway	Scenario 1	--	--	--
2498	644561.0	4166873.7	Roadway/Waterway	Scenario 1	--	--	--
2499	644611.0	4166873.7	Roadway/Waterway	Scenario 1	--	--	--
2500	644661.0	4166873.7	Roadway/Waterway	Scenario 1	--	--	--
2501	644711.0	4166873.7	Roadway/Waterway	Scenario 1	--	--	--
2502	641161.0	4166923.7	Roadway/Waterway	Scenario 1	--	--	--
2503	641211.0	4166923.7	Roadway/Waterway	Scenario 1	--	--	--
2504	641261.0	4166923.7	Roadway/Waterway	Scenario 1	--	--	--
2505	641311.0	4166923.7	Roadway/Waterway	Scenario 1	--	--	--
2506	644511.0	4166923.7	Roadway/Waterway	Scenario 1	--	--	--
2507	644561.0	4166923.7	Roadway/Waterway	Scenario 1	--	--	--
2508	644611.0	4166923.7	Roadway/Waterway	Scenario 1	--	--	--
2509	644661.0	4166923.7	Roadway/Waterway	Scenario 1	--	--	--
2510	644711.0	4166923.7	Roadway/Waterway	Scenario 1	--	--	--
2511	644761.0	4166923.7	Roadway/Waterway	Scenario 1	--	--	--
2512	641161.0	4166973.7	Roadway/Waterway	Scenario 1	--	--	--
2513	641211.0	4166973.7	Roadway/Waterway	Scenario 1	--	--	--
2514	641261.0	4166973.7	Roadway/Waterway	Scenario 1	--	--	--
2515	644661.0	4166973.7	Roadway/Waterway	Scenario 1	--	--	--
2516	644711.0	4167273.7	Roadway/Waterway	Scenario 1	--	--	--
2517	644761.0	4167273.7	Roadway/Waterway	Scenario 1	--	--	--
2518	644811.0	4167273.7	Roadway/Waterway	Scenario 1	--	--	--
2519	644711.0	4167323.7	Roadway/Waterway	Scenario 1	--	--	--
2520	644761.0	4167323.7	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2521	644811.0	4167323.7	Roadway/Waterway	Scenario 1	--	--	--
2522	641161.0	4167473.7	Roadway/Waterway	Scenario 1	--	--	--
2523	641211.0	4167473.7	Roadway/Waterway	Scenario 1	--	--	--
2524	641261.0	4167473.7	Roadway/Waterway	Scenario 1	--	--	--
2525	641011.0	4167523.7	Roadway/Waterway	Scenario 1	--	--	--
2526	641061.0	4167523.7	Roadway/Waterway	Scenario 1	--	--	--
2527	641111.0	4167523.7	Roadway/Waterway	Scenario 1	--	--	--
2528	640861.0	4167573.7	Roadway/Waterway	Scenario 1	--	--	--
2529	640911.0	4167573.7	Roadway/Waterway	Scenario 1	--	--	--
2530	640711.0	4167623.7	Roadway/Waterway	Scenario 1	--	--	--
2531	640561.0	4167673.7	Roadway/Waterway	Scenario 1	--	--	--
2532	640111.0	4167873.7	Roadway/Waterway	Scenario 1	--	--	--
2533	639961.0	4167973.7	Roadway/Waterway	Scenario 1	--	--	--
2534	639861.0	4168023.7	Roadway/Waterway	Scenario 1	--	--	--
2535	639811.0	4168073.7	Roadway/Waterway	Scenario 1	--	--	--
2536	639711.0	4168123.7	Roadway/Waterway	Scenario 1	--	--	--
2537	639611.0	4168173.7	Roadway/Waterway	Scenario 1	--	--	--
2538	639661.0	4168173.7	Roadway/Waterway	Scenario 1	--	--	--
2539	639561.0	4168223.7	Roadway/Waterway	Scenario 1	--	--	--
2540	639611.0	4168223.7	Roadway/Waterway	Scenario 1	--	--	--
2541	639461.0	4168273.7	Roadway/Waterway	Scenario 1	--	--	--
2542	639511.0	4168273.7	Roadway/Waterway	Scenario 1	--	--	--
2543	639561.0	4168273.7	Roadway/Waterway	Scenario 1	--	--	--
2544	639611.0	4168273.7	Roadway/Waterway	Scenario 1	--	--	--
2545	639161.0	4168323.7	Roadway/Waterway	Scenario 1	--	--	--
2546	639411.0	4168323.7	Roadway/Waterway	Scenario 1	--	--	--
2547	639461.0	4168323.7	Roadway/Waterway	Scenario 1	--	--	--
2548	639511.0	4168323.7	Roadway/Waterway	Scenario 1	--	--	--
2549	639561.0	4168323.7	Roadway/Waterway	Scenario 1	--	--	--
2550	639611.0	4168323.7	Roadway/Waterway	Scenario 1	--	--	--
2551	639061.0	4168373.7	Roadway/Waterway	Scenario 1	--	--	--
2552	639311.0	4168373.7	Roadway/Waterway	Scenario 1	--	--	--
2553	639011.0	4168423.7	Roadway/Waterway	Scenario 1	--	--	--
2554	639211.0	4168423.7	Roadway/Waterway	Scenario 1	--	--	--
2555	638911.0	4168473.7	Roadway/Waterway	Scenario 1	--	--	--
2556	638961.0	4168473.7	Roadway/Waterway	Scenario 1	--	--	--
2557	639161.0	4168473.7	Roadway/Waterway	Scenario 1	--	--	--
2558	638811.0	4168523.7	Roadway/Waterway	Scenario 1	--	--	--
2559	638861.0	4168523.7	Roadway/Waterway	Scenario 1	--	--	--
2560	639061.0	4168523.7	Roadway/Waterway	Scenario 1	--	--	--
2561	638711.0	4168573.7	Roadway/Waterway	Scenario 1	--	--	--
2562	638761.0	4168573.7	Roadway/Waterway	Scenario 1	--	--	--
2563	638811.0	4168573.7	Roadway/Waterway	Scenario 1	--	--	--
2564	638661.0	4168623.7	Roadway/Waterway	Scenario 1	--	--	--
2565	638711.0	4168623.7	Roadway/Waterway	Scenario 1	--	--	--
2566	638761.0	4168623.7	Roadway/Waterway	Scenario 1	--	--	--
2567	638911.0	4168623.7	Roadway/Waterway	Scenario 1	--	--	--
2568	638561.0	4168673.7	Roadway/Waterway	Scenario 1	--	--	--
2569	638611.0	4168673.7	Roadway/Waterway	Scenario 1	--	--	--
2570	638661.0	4168673.7	Roadway/Waterway	Scenario 1	--	--	--
2571	638511.0	4168723.7	Roadway/Waterway	Scenario 1	--	--	--
2572	638561.0	4168723.7	Roadway/Waterway	Scenario 1	--	--	--
2573	638611.0	4168723.7	Roadway/Waterway	Scenario 1	--	--	--
2574	638461.0	4168773.7	Roadway/Waterway	Scenario 1	--	--	--
2575	638511.0	4168773.7	Roadway/Waterway	Scenario 1	--	--	--
2576	638411.0	4168823.7	Roadway/Waterway	Scenario 1	--	--	--
2577	638461.0	4168823.7	Roadway/Waterway	Scenario 1	--	--	--
2578	640211.0	4168823.7	Roadway/Waterway	Scenario 1	--	--	--
2579	638311.0	4168873.7	Roadway/Waterway	Scenario 1	--	--	--
2580	638361.0	4168873.7	Roadway/Waterway	Scenario 1	--	--	--
2581	638411.0	4168873.7	Roadway/Waterway	Scenario 1	--	--	--
2582	640111.0	4168873.7	Roadway/Waterway	Scenario 1	--	--	--
2583	640161.0	4168873.7	Roadway/Waterway	Scenario 1	--	--	--
2584	640261.0	4168873.7	Roadway/Waterway	Scenario 1	--	--	--
2585	640311.0	4168873.7	Roadway/Waterway	Scenario 1	--	--	--
2586	640361.0	4168873.7	Roadway/Waterway	Scenario 1	--	--	--
2587	638261.0	4168923.7	Roadway/Waterway	Scenario 1	--	--	--
2588	638311.0	4168923.7	Roadway/Waterway	Scenario 1	--	--	--
2589	640061.0	4168923.7	Roadway/Waterway	Scenario 1	--	--	--
2590	640411.0	4168923.7	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2591	638211.0	4168973.7	Roadway/Waterway	Scenario 1	--	--	--
2592	638261.0	4168973.7	Roadway/Waterway	Scenario 1	--	--	--
2593	638211.0	4169023.7	Roadway/Waterway	Scenario 1	--	--	--
2594	638311.0	4169073.7	Roadway/Waterway	Scenario 1	--	--	--
2595	638111.0	4169123.7	Roadway/Waterway	Scenario 1	--	--	--
2596	638261.0	4169123.7	Roadway/Waterway	Scenario 1	--	--	--
2597	638111.0	4169173.7	Roadway/Waterway	Scenario 1	--	--	--
2598	638211.0	4169173.7	Roadway/Waterway	Scenario 1	--	--	--
2599	638111.0	4169223.7	Roadway/Waterway	Scenario 1	--	--	--
2600	638161.0	4169223.7	Roadway/Waterway	Scenario 1	--	--	--
2601	639711.0	4169223.7	Roadway/Waterway	Scenario 1	--	--	--
2602	638111.0	4169273.7	Roadway/Waterway	Scenario 1	--	--	--
2603	639711.0	4169273.7	Roadway/Waterway	Scenario 1	--	--	--
2604	638061.0	4169323.7	Roadway/Waterway	Scenario 1	--	--	--
2605	639711.0	4169323.7	Roadway/Waterway	Scenario 1	--	--	--
2606	638011.0	4169373.7	Roadway/Waterway	Scenario 1	--	--	--
2607	637961.0	4169423.7	Roadway/Waterway	Scenario 1	--	--	--
2608	637911.0	4169473.7	Roadway/Waterway	Scenario 1	--	--	--
2609	637961.0	4169473.7	Roadway/Waterway	Scenario 1	--	--	--
2610	637861.0	4169523.7	Roadway/Waterway	Scenario 1	--	--	--
2611	637911.0	4169523.7	Roadway/Waterway	Scenario 1	--	--	--
2612	637961.0	4169523.7	Roadway/Waterway	Scenario 1	--	--	--
2613	641311.0	4169523.7	Roadway/Waterway	Scenario 1	--	--	--
2614	637861.0	4169573.7	Roadway/Waterway	Scenario 1	--	--	--
2615	637911.0	4169573.7	Roadway/Waterway	Scenario 1	--	--	--
2616	637961.0	4169573.7	Roadway/Waterway	Scenario 1	--	--	--
2617	641311.0	4169573.7	Roadway/Waterway	Scenario 1	--	--	--
2618	637861.0	4169623.7	Roadway/Waterway	Scenario 1	--	--	--
2619	637911.0	4169623.7	Roadway/Waterway	Scenario 1	--	--	--
2620	641311.0	4169623.7	Roadway/Waterway	Scenario 1	--	--	--
2621	637861.0	4169673.7	Roadway/Waterway	Scenario 1	--	--	--
2622	638861.0	4170073.7	Roadway/Waterway	Scenario 1	--	--	--
2623	638811.0	4170123.7	Roadway/Waterway	Scenario 1	--	--	--
2624	638861.0	4170123.7	Roadway/Waterway	Scenario 1	--	--	--
2625	638661.0	4170173.7	Roadway/Waterway	Scenario 1	--	--	--
2626	638711.0	4170173.7	Roadway/Waterway	Scenario 1	--	--	--
2627	638761.0	4170173.7	Roadway/Waterway	Scenario 1	--	--	--
2628	638811.0	4170173.7	Roadway/Waterway	Scenario 1	--	--	--
2629	638611.0	4170223.7	Roadway/Waterway	Scenario 1	--	--	--
2630	638661.0	4170223.7	Roadway/Waterway	Scenario 1	--	--	--
2631	638711.0	4170223.7	Roadway/Waterway	Scenario 1	--	--	--
2632	638761.0	4170223.7	Roadway/Waterway	Scenario 1	--	--	--
2633	638711.0	4170273.7	Roadway/Waterway	Scenario 1	--	--	--
2634	644236.2	4164448.9	Roadway/Waterway	Scenario 1	--	--	--
2635	644136.2	4164548.9	Roadway/Waterway	Scenario 1	--	--	--
2636	643936.2	4164648.9	Roadway/Waterway	Scenario 1	--	--	--
2637	644036.2	4164648.9	Roadway/Waterway	Scenario 1	--	--	--
2638	644636.2	4164648.9	Roadway/Waterway	Scenario 1	--	--	--
2639	643836.2	4164748.9	Roadway/Waterway	Scenario 1	--	--	--
2640	643936.2	4164748.9	Roadway/Waterway	Scenario 1	--	--	--
2641	644636.2	4164748.9	Roadway/Waterway	Scenario 1	--	--	--
2642	643736.2	4164848.9	Roadway/Waterway	Scenario 1	--	--	--
2643	643836.2	4164848.9	Roadway/Waterway	Scenario 1	--	--	--
2644	644636.2	4164848.9	Roadway/Waterway	Scenario 1	--	--	--
2645	643636.2	4164948.9	Roadway/Waterway	Scenario 1	--	--	--
2646	644636.2	4164948.9	Roadway/Waterway	Scenario 1	--	--	--
2647	643536.2	4165048.9	Roadway/Waterway	Scenario 1	--	--	--
2648	644636.2	4165048.9	Roadway/Waterway	Scenario 1	--	--	--
2649	645836.2	4165048.9	Roadway/Waterway	Scenario 1	--	--	--
2650	645936.2	4165048.9	Roadway/Waterway	Scenario 1	--	--	--
2651	643436.2	4165148.9	Roadway/Waterway	Scenario 1	--	--	--
2652	644636.2	4165148.9	Roadway/Waterway	Scenario 1	--	--	--
2653	645836.2	4165148.9	Roadway/Waterway	Scenario 1	--	--	--
2654	643236.2	4165248.9	Roadway/Waterway	Scenario 1	--	--	--
2655	643336.2	4165248.9	Roadway/Waterway	Scenario 1	--	--	--
2656	644636.2	4165248.9	Roadway/Waterway	Scenario 1	--	--	--
2657	645736.2	4165248.9	Roadway/Waterway	Scenario 1	--	--	--
2658	645836.2	4165248.9	Roadway/Waterway	Scenario 1	--	--	--
2659	646236.2	4165248.9	Roadway/Waterway	Scenario 1	--	--	--
2660	643136.2	4165348.9	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2661	644636.2	4165348.9	Roadway/Waterway	Scenario 1	--	--	--
2662	645736.2	4165348.9	Roadway/Waterway	Scenario 1	--	--	--
2663	645836.2	4165348.9	Roadway/Waterway	Scenario 1	--	--	--
2664	645936.2	4165348.9	Roadway/Waterway	Scenario 1	--	--	--
2665	646036.2	4165348.9	Roadway/Waterway	Scenario 1	--	--	--
2666	646136.2	4165348.9	Roadway/Waterway	Scenario 1	--	--	--
2667	646236.2	4165348.9	Roadway/Waterway	Scenario 1	--	--	--
2668	646336.2	4165348.9	Roadway/Waterway	Scenario 1	--	--	--
2669	643036.2	4165448.9	Roadway/Waterway	Scenario 1	--	--	--
2670	645736.2	4165448.9	Roadway/Waterway	Scenario 1	--	--	--
2671	645836.2	4165448.9	Roadway/Waterway	Scenario 1	--	--	--
2672	646236.2	4165448.9	Roadway/Waterway	Scenario 1	--	--	--
2673	642836.2	4165548.9	Roadway/Waterway	Scenario 1	--	--	--
2674	642936.2	4165548.9	Roadway/Waterway	Scenario 1	--	--	--
2675	645736.2	4165548.9	Roadway/Waterway	Scenario 1	--	--	--
2676	645836.2	4165548.9	Roadway/Waterway	Scenario 1	--	--	--
2677	646236.2	4165548.9	Roadway/Waterway	Scenario 1	--	--	--
2678	642736.2	4165648.9	Roadway/Waterway	Scenario 1	--	--	--
2679	645636.2	4165648.9	Roadway/Waterway	Scenario 1	--	--	--
2680	645736.2	4165648.9	Roadway/Waterway	Scenario 1	--	--	--
2681	646236.2	4165648.9	Roadway/Waterway	Scenario 1	--	--	--
2682	642636.2	4165748.9	Roadway/Waterway	Scenario 1	--	--	--
2683	645436.2	4165748.9	Roadway/Waterway	Scenario 1	--	--	--
2684	645536.2	4165748.9	Roadway/Waterway	Scenario 1	--	--	--
2685	645636.2	4165748.9	Roadway/Waterway	Scenario 1	--	--	--
2686	646236.2	4165748.9	Roadway/Waterway	Scenario 1	--	--	--
2687	642436.2	4165848.9	Roadway/Waterway	Scenario 1	--	--	--
2688	642536.2	4165848.9	Roadway/Waterway	Scenario 1	--	--	--
2689	645136.2	4165848.9	Roadway/Waterway	Scenario 1	--	--	--
2690	645236.2	4165848.9	Roadway/Waterway	Scenario 1	--	--	--
2691	645336.2	4165848.9	Roadway/Waterway	Scenario 1	--	--	--
2692	646236.2	4165848.9	Roadway/Waterway	Scenario 1	--	--	--
2693	641936.2	4165948.9	Roadway/Waterway	Scenario 1	--	--	--
2694	642336.2	4165948.9	Roadway/Waterway	Scenario 1	--	--	--
2695	644836.2	4165948.9	Roadway/Waterway	Scenario 1	--	--	--
2696	644936.2	4165948.9	Roadway/Waterway	Scenario 1	--	--	--
2697	645036.2	4165948.9	Roadway/Waterway	Scenario 1	--	--	--
2698	645136.2	4165948.9	Roadway/Waterway	Scenario 1	--	--	--
2699	646236.2	4165948.9	Roadway/Waterway	Scenario 1	--	--	--
2700	641536.2	4166048.9	Roadway/Waterway	Scenario 1	--	--	--
2701	642236.2	4166048.9	Roadway/Waterway	Scenario 1	--	--	--
2702	644436.2	4166048.9	Roadway/Waterway	Scenario 1	--	--	--
2703	644536.2	4166048.9	Roadway/Waterway	Scenario 1	--	--	--
2704	644636.2	4166048.9	Roadway/Waterway	Scenario 1	--	--	--
2705	644736.2	4166048.9	Roadway/Waterway	Scenario 1	--	--	--
2706	644836.2	4166048.9	Roadway/Waterway	Scenario 1	--	--	--
2707	646236.2	4166048.9	Roadway/Waterway	Scenario 1	--	--	--
2708	642036.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2709	642136.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2710	643136.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2711	643236.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2712	643336.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2713	643436.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2714	643536.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2715	643636.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2716	643736.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2717	643836.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2718	643936.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2719	644036.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2720	644136.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2721	644236.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2722	644336.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2723	644436.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2724	646236.2	4166148.9	Roadway/Waterway	Scenario 1	--	--	--
2725	643036.2	4166248.9	Roadway/Waterway	Scenario 1	--	--	--
2726	643136.2	4166248.9	Roadway/Waterway	Scenario 1	--	--	--
2727	643236.2	4166248.9	Roadway/Waterway	Scenario 1	--	--	--
2728	643336.2	4166248.9	Roadway/Waterway	Scenario 1	--	--	--
2729	643436.2	4166248.9	Roadway/Waterway	Scenario 1	--	--	--
2730	643536.2	4166248.9	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2731	643636.2	4166248.9	Roadway/Waterway	Scenario 1	--	--	--
2732	643736.2	4166248.9	Roadway/Waterway	Scenario 1	--	--	--
2733	643836.2	4166248.9	Roadway/Waterway	Scenario 1	--	--	--
2734	643936.2	4166248.9	Roadway/Waterway	Scenario 1	--	--	--
2735	644036.2	4166248.9	Roadway/Waterway	Scenario 1	--	--	--
2736	644136.2	4166248.9	Roadway/Waterway	Scenario 1	--	--	--
2737	646236.2	4166248.9	Roadway/Waterway	Scenario 1	--	--	--
2738	641736.2	4166348.9	Roadway/Waterway	Scenario 1	--	--	--
2739	641836.2	4166348.9	Roadway/Waterway	Scenario 1	--	--	--
2740	642936.2	4166348.9	Roadway/Waterway	Scenario 1	--	--	--
2741	646236.2	4166348.9	Roadway/Waterway	Scenario 1	--	--	--
2742	646936.2	4166348.9	Roadway/Waterway	Scenario 1	--	--	--
2743	640736.2	4166448.9	Roadway/Waterway	Scenario 1	--	--	--
2744	641336.2	4166448.9	Roadway/Waterway	Scenario 1	--	--	--
2745	641636.2	4166448.9	Roadway/Waterway	Scenario 1	--	--	--
2746	642736.2	4166448.9	Roadway/Waterway	Scenario 1	--	--	--
2747	642836.2	4166448.9	Roadway/Waterway	Scenario 1	--	--	--
2748	646236.2	4166448.9	Roadway/Waterway	Scenario 1	--	--	--
2749	646936.2	4166448.9	Roadway/Waterway	Scenario 1	--	--	--
2750	640936.2	4166548.9	Roadway/Waterway	Scenario 1	--	--	--
2751	641336.2	4166548.9	Roadway/Waterway	Scenario 1	--	--	--
2752	641436.2	4166548.9	Roadway/Waterway	Scenario 1	--	--	--
2753	641536.2	4166548.9	Roadway/Waterway	Scenario 1	--	--	--
2754	642636.2	4166548.9	Roadway/Waterway	Scenario 1	--	--	--
2755	642736.2	4166548.9	Roadway/Waterway	Scenario 1	--	--	--
2756	646236.2	4166548.9	Roadway/Waterway	Scenario 1	--	--	--
2757	646736.2	4166548.9	Roadway/Waterway	Scenario 1	--	--	--
2758	646836.2	4166548.9	Roadway/Waterway	Scenario 1	--	--	--
2759	641336.2	4166648.9	Roadway/Waterway	Scenario 1	--	--	--
2760	641436.2	4166648.9	Roadway/Waterway	Scenario 1	--	--	--
2761	642536.2	4166648.9	Roadway/Waterway	Scenario 1	--	--	--
2762	642636.2	4166648.9	Roadway/Waterway	Scenario 1	--	--	--
2763	645936.2	4166648.9	Roadway/Waterway	Scenario 1	--	--	--
2764	646036.2	4166648.9	Roadway/Waterway	Scenario 1	--	--	--
2765	646136.2	4166648.9	Roadway/Waterway	Scenario 1	--	--	--
2766	646236.2	4166648.9	Roadway/Waterway	Scenario 1	--	--	--
2767	646336.2	4166648.9	Roadway/Waterway	Scenario 1	--	--	--
2768	646436.2	4166648.9	Roadway/Waterway	Scenario 1	--	--	--
2769	646536.2	4166648.9	Roadway/Waterway	Scenario 1	--	--	--
2770	646636.2	4166648.9	Roadway/Waterway	Scenario 1	--	--	--
2771	646736.2	4166648.9	Roadway/Waterway	Scenario 1	--	--	--
2772	641236.2	4166748.9	Roadway/Waterway	Scenario 1	--	--	--
2773	641336.2	4166748.9	Roadway/Waterway	Scenario 1	--	--	--
2774	644736.2	4166748.9	Roadway/Waterway	Scenario 1	--	--	--
2775	645836.2	4166748.9	Roadway/Waterway	Scenario 1	--	--	--
2776	646136.2	4166748.9	Roadway/Waterway	Scenario 1	--	--	--
2777	646236.2	4166748.9	Roadway/Waterway	Scenario 1	--	--	--
2778	646336.2	4166748.9	Roadway/Waterway	Scenario 1	--	--	--
2779	639836.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2780	639936.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2781	640036.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2782	640136.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2783	640236.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2784	640336.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2785	640436.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2786	640536.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2787	641036.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2788	641136.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2789	644736.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2790	645736.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2791	646036.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2792	646136.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2793	646236.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2794	646336.2	4166848.9	Roadway/Waterway	Scenario 1	--	--	--
2795	640836.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2796	640936.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2797	641036.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2798	641136.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2799	644836.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2800	644936.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2801	645036.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2802	645136.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2803	645236.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2804	645336.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2805	645436.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2806	645536.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2807	645736.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2808	645836.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2809	645936.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2810	646036.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2811	646136.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2812	646236.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2813	646336.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2814	646436.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2815	646536.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2816	646636.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2817	646736.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2818	646836.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2819	646936.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2820	647036.2	4166948.9	Roadway/Waterway	Scenario 1	--	--	--
2821	640636.2	4167048.9	Roadway/Waterway	Scenario 1	--	--	--
2822	640736.2	4167048.9	Roadway/Waterway	Scenario 1	--	--	--
2823	640836.2	4167048.9	Roadway/Waterway	Scenario 1	--	--	--
2824	640936.2	4167048.9	Roadway/Waterway	Scenario 1	--	--	--
2825	645236.2	4167048.9	Roadway/Waterway	Scenario 1	--	--	--
2826	645336.2	4167048.9	Roadway/Waterway	Scenario 1	--	--	--
2827	645736.2	4167048.9	Roadway/Waterway	Scenario 1	--	--	--
2828	646036.2	4167048.9	Roadway/Waterway	Scenario 1	--	--	--
2829	646136.2	4167048.9	Roadway/Waterway	Scenario 1	--	--	--
2830	646236.2	4167048.9	Roadway/Waterway	Scenario 1	--	--	--
2831	646336.2	4167048.9	Roadway/Waterway	Scenario 1	--	--	--
2832	646836.2	4167048.9	Roadway/Waterway	Scenario 1	--	--	--
2833	640536.2	4167148.9	Roadway/Waterway	Scenario 1	--	--	--
2834	640636.2	4167148.9	Roadway/Waterway	Scenario 1	--	--	--
2835	640736.2	4167148.9	Roadway/Waterway	Scenario 1	--	--	--
2836	645236.2	4167148.9	Roadway/Waterway	Scenario 1	--	--	--
2837	645336.2	4167148.9	Roadway/Waterway	Scenario 1	--	--	--
2838	645736.2	4167148.9	Roadway/Waterway	Scenario 1	--	--	--
2839	646136.2	4167148.9	Roadway/Waterway	Scenario 1	--	--	--
2840	646236.2	4167148.9	Roadway/Waterway	Scenario 1	--	--	--
2841	640436.2	4167248.9	Roadway/Waterway	Scenario 1	--	--	--
2842	640536.2	4167248.9	Roadway/Waterway	Scenario 1	--	--	--
2843	644936.2	4167248.9	Roadway/Waterway	Scenario 1	--	--	--
2844	645236.2	4167248.9	Roadway/Waterway	Scenario 1	--	--	--
2845	646236.2	4167248.9	Roadway/Waterway	Scenario 1	--	--	--
2846	640336.2	4167348.9	Roadway/Waterway	Scenario 1	--	--	--
2847	640436.2	4167348.9	Roadway/Waterway	Scenario 1	--	--	--
2848	646136.2	4167348.9	Roadway/Waterway	Scenario 1	--	--	--
2849	646236.2	4167348.9	Roadway/Waterway	Scenario 1	--	--	--
2850	640236.2	4167448.9	Roadway/Waterway	Scenario 1	--	--	--
2851	640336.2	4167448.9	Roadway/Waterway	Scenario 1	--	--	--
2852	646036.2	4167448.9	Roadway/Waterway	Scenario 1	--	--	--
2853	646136.2	4167448.9	Roadway/Waterway	Scenario 1	--	--	--
2854	646236.2	4167448.9	Roadway/Waterway	Scenario 1	--	--	--
2855	640136.2	4167548.9	Roadway/Waterway	Scenario 1	--	--	--
2856	646136.2	4167548.9	Roadway/Waterway	Scenario 1	--	--	--
2857	640036.2	4167648.9	Roadway/Waterway	Scenario 1	--	--	--
2858	646136.2	4167648.9	Roadway/Waterway	Scenario 1	--	--	--
2859	639836.2	4167748.9	Roadway/Waterway	Scenario 1	--	--	--
2860	639936.2	4167748.9	Roadway/Waterway	Scenario 1	--	--	--
2861	644136.2	4167748.9	Roadway/Waterway	Scenario 1	--	--	--
2862	644236.2	4167748.9	Roadway/Waterway	Scenario 1	--	--	--
2863	645036.2	4167748.9	Roadway/Waterway	Scenario 1	--	--	--
2864	645136.2	4167748.9	Roadway/Waterway	Scenario 1	--	--	--
2865	645236.2	4167748.9	Roadway/Waterway	Scenario 1	--	--	--
2866	645336.2	4167748.9	Roadway/Waterway	Scenario 1	--	--	--
2867	645436.2	4167748.9	Roadway/Waterway	Scenario 1	--	--	--
2868	645536.2	4167748.9	Roadway/Waterway	Scenario 1	--	--	--
2869	645636.2	4167748.9	Roadway/Waterway	Scenario 1	--	--	--
2870	645736.2	4167748.9	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2871	645836.2	4167748.9	Roadway/Waterway	Scenario 1	--	--	--
2872	645936.2	4167748.9	Roadway/Waterway	Scenario 1	--	--	--
2873	646136.2	4167748.9	Roadway/Waterway	Scenario 1	--	--	--
2874	639736.2	4167848.9	Roadway/Waterway	Scenario 1	--	--	--
2875	646136.2	4167848.9	Roadway/Waterway	Scenario 1	--	--	--
2876	639636.2	4167948.9	Roadway/Waterway	Scenario 1	--	--	--
2877	646136.2	4167948.9	Roadway/Waterway	Scenario 1	--	--	--
2878	639436.2	4168048.9	Roadway/Waterway	Scenario 1	--	--	--
2879	639536.2	4168048.9	Roadway/Waterway	Scenario 1	--	--	--
2880	646136.2	4168048.9	Roadway/Waterway	Scenario 1	--	--	--
2881	639336.2	4168148.9	Roadway/Waterway	Scenario 1	--	--	--
2882	639436.2	4168148.9	Roadway/Waterway	Scenario 1	--	--	--
2883	646136.2	4168148.9	Roadway/Waterway	Scenario 1	--	--	--
2884	639236.2	4168248.9	Roadway/Waterway	Scenario 1	--	--	--
2885	646136.2	4168248.9	Roadway/Waterway	Scenario 1	--	--	--
2886	639036.2	4168348.9	Roadway/Waterway	Scenario 1	--	--	--
2887	646136.2	4168348.9	Roadway/Waterway	Scenario 1	--	--	--
2888	646136.2	4168448.9	Roadway/Waterway	Scenario 1	--	--	--
2889	644836.2	4168548.9	Roadway/Waterway	Scenario 1	--	--	--
2890	644936.2	4168548.9	Roadway/Waterway	Scenario 1	--	--	--
2891	645036.2	4168548.9	Roadway/Waterway	Scenario 1	--	--	--
2892	645136.2	4168548.9	Roadway/Waterway	Scenario 1	--	--	--
2893	645236.2	4168548.9	Roadway/Waterway	Scenario 1	--	--	--
2894	645336.2	4168548.9	Roadway/Waterway	Scenario 1	--	--	--
2895	646136.2	4168548.9	Roadway/Waterway	Scenario 1	--	--	--
2896	646136.2	4168648.9	Roadway/Waterway	Scenario 1	--	--	--
2897	646636.2	4168648.9	Roadway/Waterway	Scenario 1	--	--	--
2898	646136.2	4168748.9	Roadway/Waterway	Scenario 1	--	--	--
2899	646136.2	4168848.9	Roadway/Waterway	Scenario 1	--	--	--
2900	644736.2	4168948.9	Roadway/Waterway	Scenario 1	--	--	--
2901	645936.2	4168948.9	Roadway/Waterway	Scenario 1	--	--	--
2902	646136.2	4168948.9	Roadway/Waterway	Scenario 1	--	--	--
2903	638136.2	4169048.9	Roadway/Waterway	Scenario 1	--	--	--
2904	644136.2	4169048.9	Roadway/Waterway	Scenario 1	--	--	--
2905	646136.2	4169048.9	Roadway/Waterway	Scenario 1	--	--	--
2906	637936.2	4169148.9	Roadway/Waterway	Scenario 1	--	--	--
2907	638036.2	4169148.9	Roadway/Waterway	Scenario 1	--	--	--
2908	644236.2	4169148.9	Roadway/Waterway	Scenario 1	--	--	--
2909	646136.2	4169148.9	Roadway/Waterway	Scenario 1	--	--	--
2910	637836.2	4169248.9	Roadway/Waterway	Scenario 1	--	--	--
2911	644536.2	4169248.9	Roadway/Waterway	Scenario 1	--	--	--
2912	637736.2	4169348.9	Roadway/Waterway	Scenario 1	--	--	--
2913	644536.2	4169348.9	Roadway/Waterway	Scenario 1	--	--	--
2914	637536.2	4169448.9	Roadway/Waterway	Scenario 1	--	--	--
2915	637636.2	4169448.9	Roadway/Waterway	Scenario 1	--	--	--
2916	644436.2	4169448.9	Roadway/Waterway	Scenario 1	--	--	--
2917	644536.2	4169448.9	Roadway/Waterway	Scenario 1	--	--	--
2918	637436.2	4169548.9	Roadway/Waterway	Scenario 1	--	--	--
2919	637836.2	4169548.9	Roadway/Waterway	Scenario 1	--	--	--
2920	644536.2	4169548.9	Roadway/Waterway	Scenario 1	--	--	--
2921	637236.2	4169648.9	Roadway/Waterway	Scenario 1	--	--	--
2922	637336.2	4169648.9	Roadway/Waterway	Scenario 1	--	--	--
2923	637836.2	4169648.9	Roadway/Waterway	Scenario 1	--	--	--
2924	644536.2	4169648.9	Roadway/Waterway	Scenario 1	--	--	--
2925	637136.2	4169748.9	Roadway/Waterway	Scenario 1	--	--	--
2926	637736.2	4169748.9	Roadway/Waterway	Scenario 1	--	--	--
2927	644536.2	4169748.9	Roadway/Waterway	Scenario 1	--	--	--
2928	637036.2	4169848.9	Roadway/Waterway	Scenario 1	--	--	--
2929	637636.2	4169848.9	Roadway/Waterway	Scenario 1	--	--	--
2930	637736.2	4169848.9	Roadway/Waterway	Scenario 1	--	--	--
2931	644536.2	4169848.9	Roadway/Waterway	Scenario 1	--	--	--
2932	636836.2	4169948.9	Roadway/Waterway	Scenario 1	--	--	--
2933	636936.2	4169948.9	Roadway/Waterway	Scenario 1	--	--	--
2934	637636.2	4169948.9	Roadway/Waterway	Scenario 1	--	--	--
2935	639636.2	4169948.9	Roadway/Waterway	Scenario 1	--	--	--
2936	636736.2	4170048.9	Roadway/Waterway	Scenario 1	--	--	--
2937	636836.2	4170048.9	Roadway/Waterway	Scenario 1	--	--	--
2938	637536.2	4170048.9	Roadway/Waterway	Scenario 1	--	--	--
2939	635636.2	4170148.9	Roadway/Waterway	Scenario 1	--	--	--
2940	636636.2	4170148.9	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2941	637436.2	4170148.9	Roadway/Waterway	Scenario 1	--	--	--
2942	637536.2	4170148.9	Roadway/Waterway	Scenario 1	--	--	--
2943	635636.2	4170248.9	Roadway/Waterway	Scenario 1	--	--	--
2944	635736.2	4170248.9	Roadway/Waterway	Scenario 1	--	--	--
2945	636436.2	4170248.9	Roadway/Waterway	Scenario 1	--	--	--
2946	636536.2	4170248.9	Roadway/Waterway	Scenario 1	--	--	--
2947	637336.2	4170248.9	Roadway/Waterway	Scenario 1	--	--	--
2948	637436.2	4170248.9	Roadway/Waterway	Scenario 1	--	--	--
2949	635736.2	4170348.9	Roadway/Waterway	Scenario 1	--	--	--
2950	635836.2	4170348.9	Roadway/Waterway	Scenario 1	--	--	--
2951	636336.2	4170348.9	Roadway/Waterway	Scenario 1	--	--	--
2952	636436.2	4170348.9	Roadway/Waterway	Scenario 1	--	--	--
2953	637336.2	4170348.9	Roadway/Waterway	Scenario 1	--	--	--
2954	638536.2	4170348.9	Roadway/Waterway	Scenario 1	--	--	--
2955	638636.2	4170348.9	Roadway/Waterway	Scenario 1	--	--	--
2956	635736.2	4170448.9	Roadway/Waterway	Scenario 1	--	--	--
2957	635936.2	4170448.9	Roadway/Waterway	Scenario 1	--	--	--
2958	636136.2	4170448.9	Roadway/Waterway	Scenario 1	--	--	--
2959	636236.2	4170448.9	Roadway/Waterway	Scenario 1	--	--	--
2960	637236.2	4170448.9	Roadway/Waterway	Scenario 1	--	--	--
2961	637336.2	4170448.9	Roadway/Waterway	Scenario 1	--	--	--
2962	638436.2	4170448.9	Roadway/Waterway	Scenario 1	--	--	--
2963	638536.2	4170448.9	Roadway/Waterway	Scenario 1	--	--	--
2964	635736.2	4170548.9	Roadway/Waterway	Scenario 1	--	--	--
2965	636036.2	4170548.9	Roadway/Waterway	Scenario 1	--	--	--
2966	636136.2	4170548.9	Roadway/Waterway	Scenario 1	--	--	--
2967	637236.2	4170548.9	Roadway/Waterway	Scenario 1	--	--	--
2968	638436.2	4170548.9	Roadway/Waterway	Scenario 1	--	--	--
2969	635936.2	4170648.9	Roadway/Waterway	Scenario 1	--	--	--
2970	636036.2	4170648.9	Roadway/Waterway	Scenario 1	--	--	--
2971	636136.2	4170648.9	Roadway/Waterway	Scenario 1	--	--	--
2972	637136.2	4170648.9	Roadway/Waterway	Scenario 1	--	--	--
2973	637236.2	4170648.9	Roadway/Waterway	Scenario 1	--	--	--
2974	638436.2	4170648.9	Roadway/Waterway	Scenario 1	--	--	--
2975	635836.2	4170748.9	Roadway/Waterway	Scenario 1	--	--	--
2976	636236.2	4170748.9	Roadway/Waterway	Scenario 1	--	--	--
2977	637036.2	4170748.9	Roadway/Waterway	Scenario 1	--	--	--
2978	637136.2	4170748.9	Roadway/Waterway	Scenario 1	--	--	--
2979	638436.2	4170748.9	Roadway/Waterway	Scenario 1	--	--	--
2980	638536.2	4170748.9	Roadway/Waterway	Scenario 1	--	--	--
2981	635736.2	4170848.9	Roadway/Waterway	Scenario 1	--	--	--
2982	635836.2	4170848.9	Roadway/Waterway	Scenario 1	--	--	--
2983	636336.2	4170848.9	Roadway/Waterway	Scenario 1	--	--	--
2984	636636.2	4170848.9	Roadway/Waterway	Scenario 1	--	--	--
2985	636736.2	4170848.9	Roadway/Waterway	Scenario 1	--	--	--
2986	637036.2	4170848.9	Roadway/Waterway	Scenario 1	--	--	--
2987	637136.2	4170848.9	Roadway/Waterway	Scenario 1	--	--	--
2988	637236.2	4170848.9	Roadway/Waterway	Scenario 1	--	--	--
2989	638436.2	4170848.9	Roadway/Waterway	Scenario 1	--	--	--
2990	635836.2	4170948.9	Roadway/Waterway	Scenario 1	--	--	--
2991	635936.2	4170948.9	Roadway/Waterway	Scenario 1	--	--	--
2992	636436.2	4170948.9	Roadway/Waterway	Scenario 1	--	--	--
2993	636536.2	4170948.9	Roadway/Waterway	Scenario 1	--	--	--
2994	636936.2	4170948.9	Roadway/Waterway	Scenario 1	--	--	--
2995	637036.2	4170948.9	Roadway/Waterway	Scenario 1	--	--	--
2996	637136.2	4170948.9	Roadway/Waterway	Scenario 1	--	--	--
2997	637236.2	4170948.9	Roadway/Waterway	Scenario 1	--	--	--
2998	638336.2	4170948.9	Roadway/Waterway	Scenario 1	--	--	--
2999	638436.2	4170948.9	Roadway/Waterway	Scenario 1	--	--	--
3000	635836.2	4171048.9	Roadway/Waterway	Scenario 1	--	--	--
3001	636436.2	4171048.9	Roadway/Waterway	Scenario 1	--	--	--
3002	636936.2	4171048.9	Roadway/Waterway	Scenario 1	--	--	--
3003	638336.2	4171048.9	Roadway/Waterway	Scenario 1	--	--	--
3004	636436.2	4171148.9	Roadway/Waterway	Scenario 1	--	--	--
3005	636736.2	4171148.9	Roadway/Waterway	Scenario 1	--	--	--
3006	636836.2	4171148.9	Roadway/Waterway	Scenario 1	--	--	--
3007	638236.2	4171148.9	Roadway/Waterway	Scenario 1	--	--	--
3008	638336.2	4171148.9	Roadway/Waterway	Scenario 1	--	--	--
3009	635936.2	4171248.9	Roadway/Waterway	Scenario 1	--	--	--
3010	636036.2	4171248.9	Roadway/Waterway	Scenario 1	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3011	636436.2	4171248.9	Roadway/Waterway	Scenario 1	--	--	--
3012	636636.2	4171248.9	Roadway/Waterway	Scenario 1	--	--	--
3013	636736.2	4171248.9	Roadway/Waterway	Scenario 1	--	--	--
3014	638036.2	4171248.9	Roadway/Waterway	Scenario 1	--	--	--
3015	638136.2	4171248.9	Roadway/Waterway	Scenario 1	--	--	--
3016	638236.2	4171248.9	Roadway/Waterway	Scenario 1	--	--	--
3017	636436.2	4171348.9	Roadway/Waterway	Scenario 1	--	--	--
3018	636536.2	4171348.9	Roadway/Waterway	Scenario 1	--	--	--
3019	636636.2	4171348.9	Roadway/Waterway	Scenario 1	--	--	--
3020	637936.2	4171348.9	Roadway/Waterway	Scenario 1	--	--	--
3021	638036.2	4171348.9	Roadway/Waterway	Scenario 1	--	--	--
3022	636336.2	4171448.9	Roadway/Waterway	Scenario 1	--	--	--
3023	636436.2	4171448.9	Roadway/Waterway	Scenario 1	--	--	--
3024	636536.2	4171448.9	Roadway/Waterway	Scenario 1	--	--	--
3025	637436.2	4171448.9	Roadway/Waterway	Scenario 1	--	--	--
3026	637536.2	4171448.9	Roadway/Waterway	Scenario 1	--	--	--
3027	637636.2	4171448.9	Roadway/Waterway	Scenario 1	--	--	--
3028	637736.2	4171448.9	Roadway/Waterway	Scenario 1	--	--	--
3029	637836.2	4171448.9	Roadway/Waterway	Scenario 1	--	--	--
3030	637936.2	4171448.9	Roadway/Waterway	Scenario 1	--	--	--
3031	636136.2	4171548.9	Roadway/Waterway	Scenario 1	--	--	--
3032	636236.2	4171548.9	Roadway/Waterway	Scenario 1	--	--	--
3033	636336.2	4171548.9	Roadway/Waterway	Scenario 1	--	--	--
3034	636436.2	4171548.9	Roadway/Waterway	Scenario 1	--	--	--
3035	637336.2	4171548.9	Roadway/Waterway	Scenario 1	--	--	--
3036	637436.2	4171548.9	Roadway/Waterway	Scenario 1	--	--	--
3037	637536.2	4171548.9	Roadway/Waterway	Scenario 1	--	--	--
3038	637636.2	4171548.9	Roadway/Waterway	Scenario 1	--	--	--
3039	637736.2	4171548.9	Roadway/Waterway	Scenario 1	--	--	--
3040	637836.2	4171548.9	Roadway/Waterway	Scenario 1	--	--	--
3041	636236.2	4171648.9	Roadway/Waterway	Scenario 1	--	--	--
3042	636436.2	4171648.9	Roadway/Waterway	Scenario 1	--	--	--
3043	637336.2	4171648.9	Roadway/Waterway	Scenario 1	--	--	--
3044	637436.2	4171648.9	Roadway/Waterway	Scenario 1	--	--	--
3045	636436.2	4171748.9	Roadway/Waterway	Scenario 1	--	--	--
3046	637236.2	4171748.9	Roadway/Waterway	Scenario 1	--	--	--
3047	636436.2	4171848.9	Roadway/Waterway	Scenario 1	--	--	--
3048	637136.2	4171848.9	Roadway/Waterway	Scenario 1	--	--	--
3049	637036.2	4171948.9	Roadway/Waterway	Scenario 1	--	--	--
3050	637136.2	4171948.9	Roadway/Waterway	Scenario 1	--	--	--
3051	638036.2	4171948.9	Roadway/Waterway	Scenario 1	--	--	--
3052	636936.2	4172048.9	Roadway/Waterway	Scenario 1	--	--	--
3053	637036.2	4172048.9	Roadway/Waterway	Scenario 1	--	--	--
3054	637136.2	4172048.9	Roadway/Waterway	Scenario 1	--	--	--
3055	638036.2	4172048.9	Roadway/Waterway	Scenario 1	--	--	--
3056	636836.2	4172148.9	Roadway/Waterway	Scenario 1	--	--	--
3057	636936.2	4172148.9	Roadway/Waterway	Scenario 1	--	--	--
3058	637036.2	4172148.9	Roadway/Waterway	Scenario 1	--	--	--
3059	638036.2	4172148.9	Roadway/Waterway	Scenario 1	--	--	--
3060	638036.2	4172248.9	Roadway/Waterway	Scenario 1	--	--	--
3061	639636.2	4172248.9	Roadway/Waterway	Scenario 1	--	--	--
3062	638036.2	4172348.9	Roadway/Waterway	Scenario 1	--	--	--
3063	639636.2	4172348.9	Roadway/Waterway	Scenario 1	--	--	--
3064	638036.2	4172448.9	Roadway/Waterway	Scenario 1	--	--	--
3065	642798.5	4166811.2	Worker	Scenario 1	1.59E-01	3.21E-04	--
3066	642823.5	4166811.2	Worker	Scenario 1	1.62E-01	3.27E-04	--
3067	642848.5	4166811.2	Worker	Scenario 1	1.65E-01	3.33E-04	--
3068	642873.5	4166811.2	Worker	Scenario 1	1.68E-01	3.39E-04	--
3069	642898.5	4166811.2	Worker	Scenario 1	1.71E-01	3.45E-04	--
3070	642923.5	4166811.2	Worker	Scenario 1	1.73E-01	3.50E-04	--
3071	642948.5	4166811.2	Worker	Scenario 1	1.76E-01	3.55E-04	--
3072	642973.5	4166811.2	Worker	Scenario 1	1.85E-01	3.74E-04	--
3073	642998.5	4166811.2	Worker	Scenario 1	1.86E-01	3.77E-04	--
3074	643023.5	4166811.2	Worker	Scenario 1	1.91E-01	3.85E-04	--
3075	643048.5	4166811.2	Worker	Scenario 1	1.96E-01	3.95E-04	--
3076	643073.5	4166811.2	Worker	Scenario 1	2.01E-01	4.06E-04	--
3077	643098.5	4166811.2	Worker	Scenario 1	2.08E-01	4.20E-04	--
3078	643123.5	4166811.2	Worker	Scenario 1	2.15E-01	4.34E-04	--
3079	643148.5	4166811.2	Worker	Scenario 1	2.23E-01	4.51E-04	--
3080	643173.5	4166811.2	Worker	Scenario 1	2.32E-01	4.68E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3081	643198.5	4166811.2	Worker	Scenario 1	2.40E-01	4.85E-04	--
3082	643223.5	4166811.2	Worker	Scenario 1	2.49E-01	5.03E-04	--
3083	643248.5	4166811.2	Worker	Scenario 1	2.58E-01	5.21E-04	--
3084	643273.5	4166811.2	Worker	Scenario 1	2.67E-01	5.39E-04	--
3085	643298.5	4166811.2	Worker	Scenario 1	2.76E-01	5.58E-04	--
3086	643323.5	4166811.2	Worker	Scenario 1	2.85E-01	5.76E-04	--
3087	643348.5	4166811.2	Worker	Scenario 1	2.94E-01	5.94E-04	--
3088	643373.5	4166811.2	Worker	Scenario 1	3.03E-01	6.12E-04	--
3089	643398.5	4166811.2	Worker	Scenario 1	3.11E-01	6.28E-04	--
3090	643423.5	4166811.2	Worker	Scenario 1	3.19E-01	6.44E-04	--
3091	643448.5	4166811.2	Worker	Scenario 1	3.26E-01	6.57E-04	--
3092	643473.5	4166811.2	Worker	Scenario 1	3.31E-01	6.69E-04	--
3093	643498.5	4166811.2	Worker	Scenario 1	3.36E-01	6.79E-04	--
3094	643523.5	4166811.2	Worker	Scenario 1	3.40E-01	6.86E-04	--
3095	641973.5	4166836.2	Worker	Scenario 1	9.25E-02	1.87E-04	--
3096	641998.5	4166836.2	Worker	Scenario 1	9.23E-02	1.86E-04	--
3097	642023.5	4166836.2	Worker	Scenario 1	9.24E-02	1.87E-04	--
3098	642048.5	4166836.2	Worker	Scenario 1	9.27E-02	1.87E-04	--
3099	642073.5	4166836.2	Worker	Scenario 1	9.29E-02	1.88E-04	--
3100	642098.5	4166836.2	Worker	Scenario 1	9.32E-02	1.88E-04	--
3101	642123.5	4166836.2	Worker	Scenario 1	9.39E-02	1.90E-04	--
3102	642148.5	4166836.2	Worker	Scenario 1	9.48E-02	1.92E-04	--
3103	642173.5	4166836.2	Worker	Scenario 1	9.60E-02	1.94E-04	--
3104	642198.5	4166836.2	Worker	Scenario 1	9.73E-02	1.96E-04	--
3105	642223.5	4166836.2	Worker	Scenario 1	9.89E-02	2.00E-04	--
3106	642248.5	4166836.2	Worker	Scenario 1	1.01E-01	2.03E-04	--
3107	642598.5	4166836.2	Worker	Scenario 1	1.45E-01	2.92E-04	--
3108	642623.5	4166836.2	Worker	Scenario 1	1.48E-01	2.98E-04	--
3109	642648.5	4166836.2	Worker	Scenario 1	1.50E-01	3.04E-04	--
3110	642673.5	4166836.2	Worker	Scenario 1	1.53E-01	3.10E-04	--
3111	642698.5	4166836.2	Worker	Scenario 1	1.56E-01	3.15E-04	--
3112	642723.5	4166836.2	Worker	Scenario 1	1.59E-01	3.21E-04	--
3113	642748.5	4166836.2	Worker	Scenario 1	1.62E-01	3.28E-04	--
3114	642773.5	4166836.2	Worker	Scenario 1	1.66E-01	3.34E-04	--
3115	642798.5	4166836.2	Worker	Scenario 1	1.69E-01	3.41E-04	--
3116	642823.5	4166836.2	Worker	Scenario 1	1.73E-01	3.48E-04	--
3117	642848.5	4166836.2	Worker	Scenario 1	1.76E-01	3.55E-04	--
3118	642873.5	4166836.2	Worker	Scenario 1	1.79E-01	3.62E-04	--
3119	642898.5	4166836.2	Worker	Scenario 1	1.82E-01	3.68E-04	--
3120	642923.5	4166836.2	Worker	Scenario 1	1.86E-01	3.75E-04	--
3121	642948.5	4166836.2	Worker	Scenario 1	1.89E-01	3.83E-04	--
3122	642973.5	4166836.2	Worker	Scenario 1	1.94E-01	3.92E-04	--
3123	642998.5	4166836.2	Worker	Scenario 1	2.03E-01	4.10E-04	--
3124	643023.5	4166836.2	Worker	Scenario 1	2.04E-01	4.12E-04	--
3125	643048.5	4166836.2	Worker	Scenario 1	2.09E-01	4.23E-04	--
3126	643073.5	4166836.2	Worker	Scenario 1	2.16E-01	4.35E-04	--
3127	643098.5	4166836.2	Worker	Scenario 1	2.23E-01	4.50E-04	--
3128	643123.5	4166836.2	Worker	Scenario 1	2.31E-01	4.68E-04	--
3129	643148.5	4166836.2	Worker	Scenario 1	2.41E-01	4.86E-04	--
3130	643173.5	4166836.2	Worker	Scenario 1	2.50E-01	5.06E-04	--
3131	643198.5	4166836.2	Worker	Scenario 1	2.60E-01	5.25E-04	--
3132	643223.5	4166836.2	Worker	Scenario 1	2.70E-01	5.45E-04	--
3133	643248.5	4166836.2	Worker	Scenario 1	2.80E-01	5.65E-04	--
3134	643273.5	4166836.2	Worker	Scenario 1	2.90E-01	5.86E-04	--
3135	643298.5	4166836.2	Worker	Scenario 1	3.01E-01	6.07E-04	--
3136	643323.5	4166836.2	Worker	Scenario 1	3.11E-01	6.27E-04	--
3137	643348.5	4166836.2	Worker	Scenario 1	3.20E-01	6.47E-04	--
3138	643373.5	4166836.2	Worker	Scenario 1	3.29E-01	6.65E-04	--
3139	643398.5	4166836.2	Worker	Scenario 1	3.38E-01	6.82E-04	--
3140	643423.5	4166836.2	Worker	Scenario 1	3.46E-01	6.98E-04	--
3141	643448.5	4166836.2	Worker	Scenario 1	3.52E-01	7.12E-04	--
3142	643473.5	4166836.2	Worker	Scenario 1	3.58E-01	7.23E-04	--
3143	643498.5	4166836.2	Worker	Scenario 1	3.62E-01	7.32E-04	--
3144	643523.5	4166836.2	Worker	Scenario 1	3.66E-01	7.38E-04	--
3145	643548.5	4166836.2	Worker	Scenario 1	3.67E-01	7.42E-04	--
3146	643573.5	4166836.2	Worker	Scenario 1	3.68E-01	7.43E-04	--
3147	643598.5	4166836.2	Worker	Scenario 1	3.67E-01	7.42E-04	--
3148	643623.5	4166836.2	Worker	Scenario 1	3.66E-01	7.39E-04	--
3149	643648.5	4166836.2	Worker	Scenario 1	3.63E-01	7.34E-04	--
3150	643673.5	4166836.2	Worker	Scenario 1	3.60E-01	7.28E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3151	643698.5	4166836.2	Worker	Scenario 1	3.57E-01	7.20E-04	--
3152	643723.5	4166836.2	Worker	Scenario 1	3.53E-01	7.12E-04	--
3153	643748.5	4166836.2	Worker	Scenario 1	3.48E-01	7.03E-04	--
3154	643773.5	4166836.2	Worker	Scenario 1	3.43E-01	6.93E-04	--
3155	643798.5	4166836.2	Worker	Scenario 1	3.39E-01	6.84E-04	--
3156	643823.5	4166836.2	Worker	Scenario 1	3.34E-01	6.75E-04	--
3157	643848.5	4166836.2	Worker	Scenario 1	3.30E-01	6.66E-04	--
3158	643873.5	4166836.2	Worker	Scenario 1	3.26E-01	6.58E-04	--
3159	643898.5	4166836.2	Worker	Scenario 1	3.22E-01	6.51E-04	--
3160	643923.5	4166836.2	Worker	Scenario 1	3.19E-01	6.44E-04	--
3161	643948.5	4166836.2	Worker	Scenario 1	3.16E-01	6.39E-04	--
3162	643973.5	4166836.2	Worker	Scenario 1	3.14E-01	6.34E-04	--
3163	643998.5	4166836.2	Worker	Scenario 1	3.12E-01	6.30E-04	--
3164	644023.5	4166836.2	Worker	Scenario 1	3.10E-01	6.26E-04	--
3165	644048.5	4166836.2	Worker	Scenario 1	3.09E-01	6.23E-04	--
3166	644073.5	4166836.2	Worker	Scenario 1	3.07E-01	6.20E-04	--
3167	644098.5	4166836.2	Worker	Scenario 1	3.06E-01	6.17E-04	--
3168	644123.5	4166836.2	Worker	Scenario 1	3.04E-01	6.14E-04	--
3169	644148.5	4166836.2	Worker	Scenario 1	3.02E-01	6.11E-04	--
3170	644173.5	4166836.2	Worker	Scenario 1	3.01E-01	6.08E-04	--
3171	644198.5	4166836.2	Worker	Scenario 1	2.99E-01	6.04E-04	--
3172	644223.5	4166836.2	Worker	Scenario 1	2.98E-01	6.01E-04	--
3173	644248.5	4166836.2	Worker	Scenario 1	2.96E-01	5.98E-04	--
3174	644273.5	4166836.2	Worker	Scenario 1	2.94E-01	5.94E-04	--
3175	644298.5	4166836.2	Worker	Scenario 1	2.93E-01	5.91E-04	--
3176	641598.5	4166861.2	Worker	Scenario 1	1.42E-01	2.87E-04	--
3177	641623.5	4166861.2	Worker	Scenario 1	1.33E-01	2.69E-04	--
3178	641648.5	4166861.2	Worker	Scenario 1	1.26E-01	2.54E-04	--
3179	641673.5	4166861.2	Worker	Scenario 1	1.20E-01	2.42E-04	--
3180	641698.5	4166861.2	Worker	Scenario 1	1.15E-01	2.32E-04	--
3181	641723.5	4166861.2	Worker	Scenario 1	1.11E-01	2.23E-04	--
3182	641748.5	4166861.2	Worker	Scenario 1	1.07E-01	2.16E-04	--
3183	641773.5	4166861.2	Worker	Scenario 1	1.04E-01	2.11E-04	--
3184	641798.5	4166861.2	Worker	Scenario 1	1.02E-01	2.06E-04	--
3185	641823.5	4166861.2	Worker	Scenario 1	1.00E-01	2.02E-04	--
3186	641848.5	4166861.2	Worker	Scenario 1	9.86E-02	1.99E-04	--
3187	641873.5	4166861.2	Worker	Scenario 1	9.74E-02	1.97E-04	--
3188	641898.5	4166861.2	Worker	Scenario 1	9.64E-02	1.95E-04	--
3189	641923.5	4166861.2	Worker	Scenario 1	9.57E-02	1.93E-04	--
3190	641948.5	4166861.2	Worker	Scenario 1	9.51E-02	1.92E-04	--
3191	641973.5	4166861.2	Worker	Scenario 1	9.49E-02	1.92E-04	--
3192	641998.5	4166861.2	Worker	Scenario 1	9.49E-02	1.92E-04	--
3193	642023.5	4166861.2	Worker	Scenario 1	9.50E-02	1.92E-04	--
3194	642123.5	4166861.2	Worker	Scenario 1	9.71E-02	1.96E-04	--
3195	642148.5	4166861.2	Worker	Scenario 1	9.82E-02	1.98E-04	--
3196	642173.5	4166861.2	Worker	Scenario 1	9.96E-02	2.01E-04	--
3197	641298.5	4167011.2	Worker	Scenario 1	1.55E-01	3.12E-04	--
3198	641323.5	4167011.2	Worker	Scenario 1	2.01E-01	4.06E-04	--
3199	641298.5	4167036.2	Worker	Scenario 1	1.57E-01	3.17E-04	--
3200	641323.5	4167036.2	Worker	Scenario 1	2.04E-01	4.12E-04	--
3201	641298.5	4167061.2	Worker	Scenario 1	1.59E-01	3.22E-04	--
3202	641323.5	4167061.2	Worker	Scenario 1	2.08E-01	4.19E-04	--
3203	641348.5	4167061.2	Worker	Scenario 1	3.06E-01	6.17E-04	--
3204	644673.5	4167061.2	Worker	Scenario 1	3.66E-01	7.40E-04	--
3205	641298.5	4167086.2	Worker	Scenario 1	1.62E-01	3.27E-04	--
3206	641323.5	4167086.2	Worker	Scenario 1	2.12E-01	4.28E-04	--
3207	641348.5	4167086.2	Worker	Scenario 1	3.15E-01	6.36E-04	--
3208	644648.5	4167086.2	Worker	Scenario 1	3.87E-01	7.82E-04	--
3209	644673.5	4167086.2	Worker	Scenario 1	3.77E-01	7.62E-04	--
3210	641298.5	4167111.2	Worker	Scenario 1	1.65E-01	3.33E-04	--
3211	641323.5	4167111.2	Worker	Scenario 1	2.16E-01	4.37E-04	--
3212	641348.5	4167111.2	Worker	Scenario 1	3.25E-01	6.57E-04	--
3213	644648.5	4167111.2	Worker	Scenario 1	3.96E-01	8.01E-04	--
3214	644673.5	4167111.2	Worker	Scenario 1	3.87E-01	7.81E-04	--
3215	641298.5	4167136.2	Worker	Scenario 1	1.68E-01	3.38E-04	--
3216	641323.5	4167136.2	Worker	Scenario 1	2.21E-01	4.47E-04	--
3217	641348.5	4167136.2	Worker	Scenario 1	3.36E-01	6.79E-04	--
3218	644648.5	4167136.2	Worker	Scenario 1	4.05E-01	8.17E-04	--
3219	644673.5	4167136.2	Worker	Scenario 1	3.95E-01	7.97E-04	--
3220	641298.5	4167161.2	Worker	Scenario 1	1.70E-01	3.44E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3221	641323.5	4167161.2	Worker	Scenario 1	2.26E-01	4.56E-04	--
3222	641348.5	4167161.2	Worker	Scenario 1	3.47E-01	7.00E-04	--
3223	644648.5	4167161.2	Worker	Scenario 1	4.10E-01	8.29E-04	--
3224	644673.5	4167161.2	Worker	Scenario 1	4.00E-01	8.08E-04	--
3225	641298.5	4167186.2	Worker	Scenario 1	1.73E-01	3.50E-04	--
3226	641323.5	4167186.2	Worker	Scenario 1	2.30E-01	4.65E-04	--
3227	641348.5	4167186.2	Worker	Scenario 1	3.56E-01	7.19E-04	--
3228	644648.5	4167186.2	Worker	Scenario 1	4.16E-01	8.41E-04	--
3229	644673.5	4167186.2	Worker	Scenario 1	4.06E-01	8.21E-04	--
3230	641298.5	4167211.2	Worker	Scenario 1	1.76E-01	3.55E-04	--
3231	641323.5	4167211.2	Worker	Scenario 1	2.34E-01	4.73E-04	--
3232	641348.5	4167211.2	Worker	Scenario 1	3.64E-01	7.36E-04	--
3233	644648.5	4167211.2	Worker	Scenario 1	4.24E-01	8.56E-04	--
3234	644673.5	4167211.2	Worker	Scenario 1	4.14E-01	8.35E-04	--
3235	641298.5	4167236.2	Worker	Scenario 1	1.78E-01	3.61E-04	--
3236	641323.5	4167236.2	Worker	Scenario 1	2.38E-01	4.81E-04	--
3237	641348.5	4167236.2	Worker	Scenario 1	3.72E-01	7.52E-04	--
3238	644623.5	4167236.2	Worker	Scenario 1	4.41E-01	8.91E-04	--
3239	644648.5	4167236.2	Worker	Scenario 1	4.30E-01	8.68E-04	--
3240	644673.5	4167236.2	Worker	Scenario 1	4.20E-01	8.48E-04	--
3241	641298.5	4167261.2	Worker	Scenario 1	1.81E-01	3.66E-04	--
3242	641323.5	4167261.2	Worker	Scenario 1	2.42E-01	4.88E-04	--
3243	641348.5	4167261.2	Worker	Scenario 1	3.80E-01	7.67E-04	--
3244	641298.5	4167286.2	Worker	Scenario 1	1.84E-01	3.71E-04	--
3245	641323.5	4167286.2	Worker	Scenario 1	2.46E-01	4.96E-04	--
3246	641348.5	4167286.2	Worker	Scenario 1	3.87E-01	7.81E-04	--
3247	641298.5	4167311.2	Worker	Scenario 1	1.86E-01	3.76E-04	--
3248	641323.5	4167311.2	Worker	Scenario 1	2.49E-01	5.03E-04	--
3249	641348.5	4167311.2	Worker	Scenario 1	3.94E-01	7.96E-04	--
3250	641723.5	4167311.2	Roadway/Waterway	Scenario 1	--	--	--
3251	641298.5	4167336.2	Worker	Scenario 1	1.88E-01	3.80E-04	--
3252	641323.5	4167336.2	Worker	Scenario 1	2.53E-01	5.10E-04	--
3253	641348.5	4167336.2	Worker	Scenario 1	4.01E-01	8.10E-04	--
3254	641623.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
3255	641648.5	4167336.2	Roadway/Waterway	Scenario 1	--	--	--
3256	641298.5	4167361.2	Worker	Scenario 1	1.91E-01	3.85E-04	--
3257	641323.5	4167361.2	Worker	Scenario 1	2.56E-01	5.18E-04	--
3258	641348.5	4167361.2	Worker	Scenario 1	4.10E-01	8.28E-04	--
3259	641548.5	4167361.2	Roadway/Waterway	Scenario 1	--	--	--
3260	644523.5	4167361.2	Worker	Scenario 1	5.09E-01	1.03E-03	--
3261	641298.5	4167386.2	Worker	Scenario 1	1.93E-01	3.89E-04	--
3262	641323.5	4167386.2	Worker	Scenario 1	2.59E-01	5.24E-04	--
3263	641348.5	4167386.2	Worker	Scenario 1	4.17E-01	8.42E-04	--
3264	641448.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
3265	641473.5	4167386.2	Roadway/Waterway	Scenario 1	--	--	--
3266	644448.5	4167386.2	Worker	Scenario 1	5.53E-01	1.12E-03	--
3267	641298.5	4167411.2	Worker	Scenario 1	1.94E-01	3.93E-04	--
3268	641323.5	4167411.2	Worker	Scenario 1	2.62E-01	5.30E-04	--
3269	641348.5	4167411.2	Worker	Scenario 1	4.24E-01	8.55E-04	--
3270	644348.5	4167411.2	Worker	Scenario 1	6.20E-01	1.25E-03	--
3271	644373.5	4167411.2	Worker	Scenario 1	6.02E-01	1.22E-03	--
3272	643348.5	4167436.2	Worker	Scenario 1	5.15E+00	1.04E-02	--
3273	643373.5	4167436.2	Worker	Scenario 1	4.57E+00	9.24E-03	--
3274	643398.5	4167436.2	Worker	Scenario 1	4.13E+00	8.35E-03	--
3275	643423.5	4167436.2	Worker	Scenario 1	3.75E+00	7.58E-03	--
3276	643448.5	4167436.2	Worker	Scenario 1	3.42E+00	6.91E-03	--
3277	643473.5	4167436.2	Worker	Scenario 1	3.13E+00	6.33E-03	--
3278	643498.5	4167436.2	Worker	Scenario 1	2.88E+00	5.82E-03	--
3279	643523.5	4167436.2	Worker	Scenario 1	2.66E+00	5.38E-03	--
3280	643548.5	4167436.2	Worker	Scenario 1	2.47E+00	4.99E-03	--
3281	643573.5	4167436.2	Worker	Scenario 1	2.30E+00	4.65E-03	--
3282	643598.5	4167436.2	Worker	Scenario 1	2.15E+00	4.34E-03	--
3283	643623.5	4167436.2	Worker	Scenario 1	2.02E+00	4.07E-03	--
3284	643648.5	4167436.2	Worker	Scenario 1	1.89E+00	3.83E-03	--
3285	643673.5	4167436.2	Worker	Scenario 1	1.78E+00	3.60E-03	--
3286	643698.5	4167436.2	Worker	Scenario 1	1.69E+00	3.41E-03	--
3287	643723.5	4167436.2	Worker	Scenario 1	1.60E+00	3.23E-03	--
3288	643748.5	4167436.2	Worker	Scenario 1	1.52E+00	3.06E-03	--
3289	644273.5	4167436.2	Worker	Scenario 1	6.77E-01	1.37E-03	--
3290	644298.5	4167436.2	Worker	Scenario 1	6.57E-01	1.33E-03	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3291	643323.5	4167461.2	Worker	Scenario 1	6.49E+00	1.31E-02	--
3292	643348.5	4167461.2	Worker	Scenario 1	5.62E+00	1.13E-02	--
3293	643873.5	4167461.2	Worker	Scenario 1	1.21E+00	2.44E-03	--
3294	643898.5	4167461.2	Worker	Scenario 1	1.16E+00	2.34E-03	--
3295	644198.5	4167461.2	Worker	Scenario 1	7.42E-01	1.50E-03	--
3296	644223.5	4167461.2	Worker	Scenario 1	7.18E-01	1.45E-03	--
3297	643298.5	4167486.2	Worker	Scenario 1	8.25E+00	1.67E-02	--
3298	643323.5	4167486.2	Worker	Scenario 1	6.81E+00	1.38E-02	--
3299	643348.5	4167486.2	Worker	Scenario 1	5.87E+00	1.19E-02	--
3300	644098.5	4167486.2	Worker	Scenario 1	8.44E-01	1.70E-03	--
3301	644123.5	4167486.2	Worker	Scenario 1	8.15E-01	1.65E-03	--
3302	644148.5	4167486.2	Worker	Scenario 1	7.87E-01	1.59E-03	--
3303	643273.5	4167511.2	Worker	Scenario 1	9.67E+00	1.95E-02	--
3304	643298.5	4167511.2	Worker	Scenario 1	7.78E+00	1.57E-02	--
3305	643323.5	4167511.2	Worker	Scenario 1	6.62E+00	1.34E-02	--
3306	643273.5	4167536.2	Worker	Scenario 1	7.89E+00	1.59E-02	--
3307	643298.5	4167536.2	Worker	Scenario 1	6.76E+00	1.37E-02	--
3308	643248.5	4167561.2	Worker	Scenario 1	6.52E+00	1.32E-02	--
3309	643273.5	4167561.2	Worker	Scenario 1	5.86E+00	1.18E-02	--
3310	643223.5	4167586.2	Worker	Scenario 1	4.03E+00	8.14E-03	--
3311	643248.5	4167586.2	Worker	Scenario 1	4.03E+00	8.15E-03	--
3312	643198.5	4167611.2	Worker	Scenario 1	2.02E+00	4.08E-03	--
3313	643223.5	4167611.2	Worker	Scenario 1	2.22E+00	4.49E-03	--
3314	643248.5	4167611.2	Worker	Scenario 1	2.45E+00	4.95E-03	--
3315	643173.5	4167636.2	Worker	Scenario 1	1.24E+00	2.50E-03	--
3316	643198.5	4167636.2	Worker	Scenario 1	1.25E+00	2.52E-03	--
3317	643223.5	4167636.2	Worker	Scenario 1	1.39E+00	2.80E-03	--
3318	643173.5	4167661.2	Worker	Scenario 1	9.77E-01	1.97E-03	--
3319	643198.5	4167661.2	Worker	Scenario 1	9.55E-01	1.93E-03	--
3320	643148.5	4167686.2	Worker	Scenario 1	9.50E-01	1.92E-03	--
3321	643173.5	4167686.2	Worker	Scenario 1	8.51E-01	1.72E-03	--
3322	643123.5	4167711.2	Worker	Scenario 1	9.87E-01	1.99E-03	--
3323	643148.5	4167711.2	Worker	Scenario 1	8.44E-01	1.70E-03	--
3324	643098.5	4167736.2	Worker	Scenario 1	1.02E+00	2.07E-03	--
3325	643123.5	4167736.2	Worker	Scenario 1	8.67E-01	1.75E-03	--
3326	643098.5	4167761.2	Worker	Scenario 1	8.96E-01	1.81E-03	--
3327	643123.5	4167761.2	Worker	Scenario 1	7.97E-01	1.61E-03	--
3328	643073.5	4167786.2	Worker	Scenario 1	8.92E-01	1.80E-03	--
3329	643098.5	4167786.2	Worker	Scenario 1	8.07E-01	1.63E-03	--
3330	643048.5	4167811.2	Worker	Scenario 1	8.82E-01	1.78E-03	--
3331	643073.5	4167811.2	Worker	Scenario 1	7.99E-01	1.61E-03	--
3332	643023.5	4167836.2	Worker	Scenario 1	8.59E-01	1.74E-03	--
3333	643048.5	4167836.2	Worker	Scenario 1	7.77E-01	1.57E-03	--
3334	642998.5	4167861.2	Worker	Scenario 1	8.21E-01	1.66E-03	--
3335	643023.5	4167861.2	Worker	Scenario 1	7.51E-01	1.52E-03	--
3336	642973.5	4167886.2	Worker	Scenario 1	7.81E-01	1.58E-03	--
3337	642998.5	4167886.2	Worker	Scenario 1	7.20E-01	1.45E-03	--
3338	642948.5	4167911.2	Worker	Scenario 1	7.27E-01	1.47E-03	--
3339	642973.5	4167911.2	Worker	Scenario 1	6.90E-01	1.39E-03	--
3340	642898.5	4167936.2	Worker	Scenario 1	7.14E-01	1.44E-03	--
3341	642923.5	4167936.2	Worker	Scenario 1	6.77E-01	1.37E-03	--
3342	642873.5	4167961.2	Worker	Scenario 1	6.59E-01	1.33E-03	--
3343	642898.5	4167961.2	Worker	Scenario 1	6.40E-01	1.29E-03	--
3344	642823.5	4167986.2	Worker	Scenario 1	6.29E-01	1.27E-03	--
3345	642848.5	4167986.2	Worker	Scenario 1	6.12E-01	1.24E-03	--
3346	642798.5	4168011.2	Worker	Scenario 1	5.82E-01	1.18E-03	--
3347	642823.5	4168011.2	Worker	Scenario 1	5.77E-01	1.16E-03	--
3348	642748.5	4168036.2	Worker	Scenario 1	5.50E-01	1.11E-03	--
3349	642773.5	4168036.2	Worker	Scenario 1	5.43E-01	1.10E-03	--
3350	642698.5	4168061.2	Worker	Scenario 1	5.14E-01	1.04E-03	--
3351	642723.5	4168061.2	Worker	Scenario 1	5.10E-01	1.03E-03	--
3352	642748.5	4168061.2	Worker	Scenario 1	5.10E-01	1.03E-03	--
3353	642673.5	4168086.2	Worker	Scenario 1	4.79E-01	9.68E-04	--
3354	642698.5	4168086.2	Worker	Scenario 1	4.75E-01	9.60E-04	--
3355	642623.5	4168111.2	Worker	Scenario 1	4.46E-01	9.00E-04	--
3356	642648.5	4168111.2	Worker	Scenario 1	4.44E-01	8.97E-04	--
3357	642673.5	4168111.2	Worker	Scenario 1	4.46E-01	9.01E-04	--
3358	642598.5	4168136.2	Worker	Scenario 1	4.18E-01	8.43E-04	--
3359	642623.5	4168136.2	Worker	Scenario 1	4.15E-01	8.39E-04	--
3360	642548.5	4168161.2	Worker	Scenario 1	3.90E-01	7.88E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3361	642573.5	4168161.2	Worker	Scenario 1	3.89E-01	7.86E-04	--
3362	642523.5	4168186.2	Worker	Scenario 1	3.66E-01	7.39E-04	--
3363	642548.5	4168186.2	Worker	Scenario 1	3.66E-01	7.40E-04	--
3364	642498.5	4168211.2	Worker	Scenario 1	3.45E-01	6.96E-04	--
3365	642473.5	4168236.2	Worker	Scenario 1	3.27E-01	6.61E-04	--
3366	642448.5	4168261.2	Worker	Scenario 1	3.12E-01	6.31E-04	--
3367	642423.5	4168286.2	Worker	Scenario 1	2.98E-01	6.01E-04	--
3368	642398.5	4168311.2	Worker	Scenario 1	2.85E-01	5.75E-04	--
3369	642423.5	4168311.2	Worker	Scenario 1	2.88E-01	5.82E-04	--
3370	642348.5	4168336.2	Worker	Scenario 1	2.75E-01	5.55E-04	--
3371	642373.5	4168336.2	Worker	Scenario 1	2.73E-01	5.52E-04	--
3372	639573.5	4168361.2	Worker	Scenario 1	2.21E-02	4.46E-05	--
3373	639598.5	4168361.2	Worker	Scenario 1	2.25E-02	4.54E-05	--
3374	639623.5	4168361.2	Worker	Scenario 1	2.28E-02	4.61E-05	--
3375	642323.5	4168361.2	Worker	Scenario 1	2.63E-01	5.31E-04	--
3376	642348.5	4168361.2	Worker	Scenario 1	2.62E-01	5.30E-04	--
3377	639523.5	4168386.2	Worker	Scenario 1	2.15E-02	4.35E-05	--
3378	639548.5	4168386.2	Worker	Scenario 1	2.19E-02	4.43E-05	--
3379	639573.5	4168386.2	Worker	Scenario 1	2.23E-02	4.50E-05	--
3380	639598.5	4168386.2	Worker	Scenario 1	2.26E-02	4.57E-05	--
3381	639623.5	4168386.2	Worker	Scenario 1	2.30E-02	4.65E-05	--
3382	642273.5	4168386.2	Worker	Scenario 1	2.51E-01	5.06E-04	--
3383	642298.5	4168386.2	Worker	Scenario 1	2.50E-01	5.05E-04	--
3384	639498.5	4168411.2	Worker	Scenario 1	2.14E-02	4.33E-05	--
3385	639523.5	4168411.2	Worker	Scenario 1	2.18E-02	4.39E-05	--
3386	639548.5	4168411.2	Worker	Scenario 1	2.21E-02	4.46E-05	--
3387	639573.5	4168411.2	Worker	Scenario 1	2.25E-02	4.54E-05	--
3388	639598.5	4168411.2	Worker	Scenario 1	2.28E-02	4.61E-05	--
3389	639623.5	4168411.2	Worker	Scenario 1	2.32E-02	4.69E-05	--
3390	642223.5	4168411.2	Worker	Scenario 1	2.37E-01	4.80E-04	--
3391	642248.5	4168411.2	Worker	Scenario 1	2.38E-01	4.80E-04	--
3392	639448.5	4168436.2	Worker	Scenario 1	2.10E-02	4.24E-05	--
3393	639473.5	4168436.2	Worker	Scenario 1	2.13E-02	4.30E-05	--
3394	639498.5	4168436.2	Worker	Scenario 1	2.16E-02	4.37E-05	--
3395	639523.5	4168436.2	Worker	Scenario 1	2.20E-02	4.43E-05	--
3396	639548.5	4168436.2	Worker	Scenario 1	2.23E-02	4.50E-05	--
3397	639573.5	4168436.2	Worker	Scenario 1	2.27E-02	4.58E-05	--
3398	639598.5	4168436.2	Worker	Scenario 1	2.31E-02	4.66E-05	--
3399	639623.5	4168436.2	Worker	Scenario 1	2.35E-02	4.74E-05	--
3400	642148.5	4168436.2	Worker	Scenario 1	2.23E-01	4.51E-04	--
3401	642173.5	4168436.2	Worker	Scenario 1	2.25E-01	4.54E-04	--
3402	642198.5	4168436.2	Worker	Scenario 1	2.26E-01	4.56E-04	--
3403	642098.5	4168461.2	Worker	Scenario 1	2.14E-01	4.33E-04	--
3404	642123.5	4168461.2	Worker	Scenario 1	2.15E-01	4.34E-04	--
3405	642148.5	4168461.2	Worker	Scenario 1	2.16E-01	4.36E-04	--
3406	642048.5	4168486.2	Worker	Scenario 1	2.06E-01	4.15E-04	--
3407	642073.5	4168486.2	Worker	Scenario 1	2.05E-01	4.15E-04	--
3408	642098.5	4168486.2	Worker	Scenario 1	2.07E-01	4.18E-04	--
3409	641973.5	4168511.2	Worker	Scenario 1	1.97E-01	3.98E-04	--
3410	641998.5	4168511.2	Worker	Scenario 1	1.97E-01	3.98E-04	--
3411	642023.5	4168511.2	Worker	Scenario 1	1.98E-01	3.99E-04	--
3412	641923.5	4168536.2	Worker	Scenario 1	1.91E-01	3.87E-04	--
3413	641948.5	4168536.2	Worker	Scenario 1	1.91E-01	3.86E-04	--
3414	641973.5	4168536.2	Worker	Scenario 1	1.91E-01	3.86E-04	--
3415	641873.5	4168561.2	Worker	Scenario 1	1.87E-01	3.77E-04	--
3416	641898.5	4168561.2	Worker	Scenario 1	1.86E-01	3.76E-04	--
3417	641823.5	4168586.2	Worker	Scenario 1	1.84E-01	3.72E-04	--
3418	641848.5	4168586.2	Worker	Scenario 1	1.83E-01	3.69E-04	--
3419	641748.5	4168611.2	Worker	Scenario 1	1.85E-01	3.73E-04	--
3420	641773.5	4168611.2	Worker	Scenario 1	1.83E-01	3.69E-04	--
3421	641798.5	4168611.2	Worker	Scenario 1	1.81E-01	3.66E-04	--
3422	641673.5	4168636.2	Worker	Scenario 1	1.90E-01	3.83E-04	--
3423	641698.5	4168636.2	Worker	Scenario 1	1.86E-01	3.76E-04	--
3424	641723.5	4168636.2	Worker	Scenario 1	1.83E-01	3.69E-04	--
3425	641598.5	4168661.2	Worker	Scenario 1	2.02E-01	4.08E-04	--
3426	641623.5	4168661.2	Worker	Scenario 1	1.95E-01	3.94E-04	--
3427	641648.5	4168661.2	Worker	Scenario 1	1.90E-01	3.83E-04	--
3428	641523.5	4168686.2	Worker	Scenario 1	2.29E-01	4.63E-04	--
3429	641548.5	4168686.2	Worker	Scenario 1	2.16E-01	4.36E-04	--
3430	641573.5	4168686.2	Worker	Scenario 1	2.06E-01	4.16E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3431	641448.5	4168711.2	Worker	Scenario 1	2.97E-01	5.99E-04	--
3432	641473.5	4168711.2	Worker	Scenario 1	2.64E-01	5.33E-04	--
3433	641498.5	4168711.2	Worker	Scenario 1	2.41E-01	4.87E-04	--
3434	641373.5	4168736.2	Worker	Scenario 1	5.50E-01	1.11E-03	--
3435	641398.5	4168736.2	Worker	Scenario 1	4.09E-01	8.25E-04	--
3436	641423.5	4168736.2	Worker	Scenario 1	3.34E-01	6.75E-04	--
3437	641298.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
3438	641323.5	4168761.2	Roadway/Waterway	Scenario 1	--	--	--
3439	641348.5	4168761.2	Worker	Scenario 1	6.64E-01	1.34E-03	--
3440	641373.5	4168761.2	Worker	Scenario 1	5.24E-01	1.06E-03	--
3441	641398.5	4168761.2	Worker	Scenario 1	4.01E-01	8.10E-04	--
3442	641423.5	4168761.2	Worker	Scenario 1	3.32E-01	6.71E-04	--
3443	641248.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
3444	641273.5	4168786.2	Roadway/Waterway	Scenario 1	--	--	--
3445	641348.5	4168786.2	Worker	Scenario 1	6.52E-01	1.32E-03	--
3446	641373.5	4168786.2	Worker	Scenario 1	5.21E-01	1.05E-03	--
3447	641398.5	4168786.2	Worker	Scenario 1	3.99E-01	8.05E-04	--
3448	641423.5	4168786.2	Worker	Scenario 1	3.30E-01	6.67E-04	--
3449	641173.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
3450	641198.5	4168811.2	Roadway/Waterway	Scenario 1	--	--	--
3451	641348.5	4168811.2	Worker	Scenario 1	7.26E-01	1.47E-03	--
3452	641373.5	4168811.2	Worker	Scenario 1	5.18E-01	1.05E-03	--
3453	641398.5	4168811.2	Worker	Scenario 1	3.97E-01	8.01E-04	--
3454	641423.5	4168811.2	Worker	Scenario 1	3.29E-01	6.64E-04	--
3455	641098.5	4168836.2	Roadway/Waterway	Scenario 1	--	--	--
3456	641348.5	4168836.2	Worker	Scenario 1	7.16E-01	1.45E-03	--
3457	641373.5	4168836.2	Worker	Scenario 1	5.15E-01	1.04E-03	--
3458	641398.5	4168836.2	Worker	Scenario 1	3.94E-01	7.97E-04	--
3459	641423.5	4168836.2	Worker	Scenario 1	3.27E-01	6.60E-04	--
3460	641023.5	4168861.2	Roadway/Waterway	Scenario 1	--	--	--
3461	641348.5	4168861.2	Worker	Scenario 1	7.86E-01	1.59E-03	--
3462	641373.5	4168861.2	Worker	Scenario 1	5.10E-01	1.03E-03	--
3463	641398.5	4168861.2	Worker	Scenario 1	3.91E-01	7.90E-04	--
3464	641423.5	4168861.2	Worker	Scenario 1	3.25E-01	6.56E-04	--
3465	640948.5	4168886.2	Roadway/Waterway	Scenario 1	--	--	--
3466	641348.5	4168886.2	Worker	Scenario 1	7.29E-01	1.47E-03	--
3467	641373.5	4168886.2	Worker	Scenario 1	5.01E-01	1.01E-03	--
3468	641398.5	4168886.2	Worker	Scenario 1	3.88E-01	7.85E-04	--
3469	641423.5	4168886.2	Worker	Scenario 1	3.23E-01	6.53E-04	--
3470	640873.5	4168911.2	Roadway/Waterway	Scenario 1	--	--	--
3471	641348.5	4168911.2	Worker	Scenario 1	7.67E-01	1.55E-03	--
3472	641373.5	4168911.2	Worker	Scenario 1	5.08E-01	1.03E-03	--
3473	641398.5	4168911.2	Worker	Scenario 1	3.90E-01	7.87E-04	--
3474	641423.5	4168911.2	Worker	Scenario 1	3.23E-01	6.53E-04	--
3475	640773.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
3476	640798.5	4168936.2	Roadway/Waterway	Scenario 1	--	--	--
3477	641348.5	4168936.2	Worker	Scenario 1	7.65E-01	1.54E-03	--
3478	641373.5	4168936.2	Worker	Scenario 1	5.08E-01	1.03E-03	--
3479	641398.5	4168936.2	Worker	Scenario 1	3.90E-01	7.88E-04	--
3480	641423.5	4168936.2	Worker	Scenario 1	3.23E-01	6.53E-04	--
3481	640548.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
3482	640573.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
3483	640698.5	4168961.2	Roadway/Waterway	Scenario 1	--	--	--
3484	641348.5	4168961.2	Worker	Scenario 1	7.59E-01	1.53E-03	--
3485	641373.5	4168961.2	Worker	Scenario 1	5.07E-01	1.02E-03	--
3486	641398.5	4168961.2	Worker	Scenario 1	3.89E-01	7.87E-04	--
3487	641423.5	4168961.2	Worker	Scenario 1	3.23E-01	6.51E-04	--
3488	640598.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
3489	640623.5	4168986.2	Roadway/Waterway	Scenario 1	--	--	--
3490	641348.5	4168986.2	Worker	Scenario 1	7.57E-01	1.53E-03	--
3491	641373.5	4168986.2	Worker	Scenario 1	5.06E-01	1.02E-03	--
3492	641398.5	4168986.2	Worker	Scenario 1	3.88E-01	7.84E-04	--
3493	641423.5	4168986.2	Worker	Scenario 1	3.22E-01	6.50E-04	--
3494	640448.5	4169011.2	Worker	Scenario 1	5.16E-02	1.04E-04	--
3495	640523.5	4169011.2	Worker	Scenario 1	5.48E-02	1.11E-04	--
3496	641348.5	4169011.2	Worker	Scenario 1	7.56E-01	1.53E-03	--
3497	641373.5	4169011.2	Worker	Scenario 1	5.04E-01	1.02E-03	--
3498	641398.5	4169011.2	Worker	Scenario 1	3.87E-01	7.82E-04	--
3499	641423.5	4169011.2	Worker	Scenario 1	3.21E-01	6.48E-04	--
3500	640448.5	4169036.2	Worker	Scenario 1	5.16E-02	1.04E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3501	640473.5	4169036.2	Worker	Scenario 1	5.27E-02	1.06E-04	--
3502	640523.5	4169036.2	Worker	Scenario 1	5.48E-02	1.11E-04	--
3503	641348.5	4169036.2	Worker	Scenario 1	7.54E-01	1.52E-03	--
3504	641373.5	4169036.2	Worker	Scenario 1	5.03E-01	1.02E-03	--
3505	641398.5	4169036.2	Worker	Scenario 1	3.86E-01	7.79E-04	--
3506	641423.5	4169036.2	Worker	Scenario 1	3.19E-01	6.45E-04	--
3507	640448.5	4169061.2	Worker	Scenario 1	5.17E-02	1.04E-04	--
3508	640473.5	4169061.2	Worker	Scenario 1	5.27E-02	1.06E-04	--
3509	640523.5	4169061.2	Worker	Scenario 1	5.48E-02	1.11E-04	--
3510	641348.5	4169061.2	Worker	Scenario 1	7.52E-01	1.52E-03	--
3511	641373.5	4169061.2	Worker	Scenario 1	5.03E-01	1.02E-03	--
3512	641398.5	4169061.2	Worker	Scenario 1	3.84E-01	7.75E-04	--
3513	641423.5	4169061.2	Worker	Scenario 1	3.17E-01	6.39E-04	--
3514	640448.5	4169086.2	Worker	Scenario 1	5.17E-02	1.04E-04	--
3515	640473.5	4169086.2	Worker	Scenario 1	5.27E-02	1.06E-04	--
3516	640523.5	4169086.2	Worker	Scenario 1	5.48E-02	1.11E-04	--
3517	641348.5	4169086.2	Worker	Scenario 1	7.51E-01	1.52E-03	--
3518	641373.5	4169086.2	Worker	Scenario 1	4.99E-01	1.01E-03	--
3519	641398.5	4169086.2	Worker	Scenario 1	3.80E-01	7.68E-04	--
3520	641423.5	4169086.2	Worker	Scenario 1	3.15E-01	6.36E-04	--
3521	640448.5	4169111.2	Worker	Scenario 1	5.17E-02	1.04E-04	--
3522	640473.5	4169111.2	Worker	Scenario 1	5.27E-02	1.06E-04	--
3523	640523.5	4169111.2	Worker	Scenario 1	5.48E-02	1.11E-04	--
3524	641348.5	4169111.2	Worker	Scenario 1	7.47E-01	1.51E-03	--
3525	641373.5	4169111.2	Worker	Scenario 1	4.95E-01	9.99E-04	--
3526	641398.5	4169111.2	Worker	Scenario 1	3.79E-01	7.66E-04	--
3527	641423.5	4169111.2	Worker	Scenario 1	3.14E-01	6.35E-04	--
3528	640448.5	4169136.2	Worker	Scenario 1	5.16E-02	1.04E-04	--
3529	640473.5	4169136.2	Worker	Scenario 1	5.26E-02	1.06E-04	--
3530	640523.5	4169136.2	Worker	Scenario 1	5.47E-02	1.11E-04	--
3531	641348.5	4169136.2	Worker	Scenario 1	7.36E-01	1.49E-03	--
3532	641373.5	4169136.2	Worker	Scenario 1	4.94E-01	9.97E-04	--
3533	641398.5	4169136.2	Worker	Scenario 1	3.79E-01	7.65E-04	--
3534	641423.5	4169136.2	Worker	Scenario 1	3.14E-01	6.33E-04	--
3535	640448.5	4169161.2	Worker	Scenario 1	5.16E-02	1.04E-04	--
3536	640473.5	4169161.2	Worker	Scenario 1	5.26E-02	1.06E-04	--
3537	640523.5	4169161.2	Worker	Scenario 1	5.47E-02	1.10E-04	--
3538	641348.5	4169161.2	Worker	Scenario 1	7.31E-01	1.48E-03	--
3539	641373.5	4169161.2	Worker	Scenario 1	4.92E-01	9.93E-04	--
3540	641398.5	4169161.2	Worker	Scenario 1	3.77E-01	7.62E-04	--
3541	641423.5	4169161.2	Worker	Scenario 1	3.12E-01	6.31E-04	--
3542	640448.5	4169186.2	Worker	Scenario 1	5.16E-02	1.04E-04	--
3543	640473.5	4169186.2	Worker	Scenario 1	5.25E-02	1.06E-04	--
3544	640523.5	4169186.2	Worker	Scenario 1	5.46E-02	1.10E-04	--
3545	641348.5	4169186.2	Worker	Scenario 1	7.26E-01	1.47E-03	--
3546	641373.5	4169186.2	Worker	Scenario 1	4.90E-01	9.89E-04	--
3547	641398.5	4169186.2	Worker	Scenario 1	3.76E-01	7.59E-04	--
3548	641423.5	4169186.2	Worker	Scenario 1	3.11E-01	6.29E-04	--
3549	640448.5	4169211.2	Worker	Scenario 1	5.15E-02	1.04E-04	--
3550	640473.5	4169211.2	Worker	Scenario 1	5.25E-02	1.06E-04	--
3551	640498.5	4169211.2	Worker	Scenario 1	5.35E-02	1.08E-04	--
3552	640523.5	4169211.2	Worker	Scenario 1	5.45E-02	1.10E-04	--
3553	641348.5	4169211.2	Worker	Scenario 1	7.21E-01	1.46E-03	--
3554	641373.5	4169211.2	Worker	Scenario 1	4.87E-01	9.83E-04	--
3555	641398.5	4169211.2	Worker	Scenario 1	3.74E-01	7.56E-04	--
3556	641423.5	4169211.2	Worker	Scenario 1	3.10E-01	6.26E-04	--
3557	640448.5	4169236.2	Worker	Scenario 1	5.14E-02	1.04E-04	--
3558	640473.5	4169236.2	Worker	Scenario 1	5.24E-02	1.06E-04	--
3559	640498.5	4169236.2	Worker	Scenario 1	5.34E-02	1.08E-04	--
3560	640523.5	4169236.2	Worker	Scenario 1	5.45E-02	1.10E-04	--
3561	641348.5	4169236.2	Worker	Scenario 1	7.15E-01	1.45E-03	--
3562	641373.5	4169236.2	Worker	Scenario 1	4.84E-01	9.77E-04	--
3563	641398.5	4169236.2	Worker	Scenario 1	3.72E-01	7.52E-04	--
3564	641423.5	4169236.2	Worker	Scenario 1	3.09E-01	6.23E-04	--
3565	640448.5	4169261.2	Worker	Scenario 1	5.14E-02	1.04E-04	--
3566	640473.5	4169261.2	Worker	Scenario 1	5.23E-02	1.06E-04	--
3567	640498.5	4169261.2	Worker	Scenario 1	5.33E-02	1.08E-04	--
3568	640523.5	4169261.2	Worker	Scenario 1	5.44E-02	1.10E-04	--
3569	641348.5	4169261.2	Worker	Scenario 1	7.10E-01	1.43E-03	--
3570	641373.5	4169261.2	Worker	Scenario 1	4.81E-01	9.72E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3571	641398.5	4169261.2	Worker	Scenario 1	3.71E-01	7.49E-04	--
3572	641423.5	4169261.2	Worker	Scenario 1	3.07E-01	6.21E-04	--
3573	640448.5	4169286.2	Worker	Scenario 1	5.13E-02	1.04E-04	--
3574	640473.5	4169286.2	Worker	Scenario 1	5.23E-02	1.06E-04	--
3575	640498.5	4169286.2	Worker	Scenario 1	5.32E-02	1.08E-04	--
3576	640523.5	4169286.2	Worker	Scenario 1	5.43E-02	1.10E-04	--
3577	640923.5	4169286.2	Worker	Scenario 1	7.96E-02	1.61E-04	--
3578	640948.5	4169286.2	Worker	Scenario 1	8.23E-02	1.66E-04	--
3579	640973.5	4169286.2	Worker	Scenario 1	8.52E-02	1.72E-04	--
3580	640998.5	4169286.2	Worker	Scenario 1	8.84E-02	1.79E-04	--
3581	641023.5	4169286.2	Worker	Scenario 1	9.20E-02	1.86E-04	--
3582	641048.5	4169286.2	Worker	Scenario 1	9.60E-02	1.94E-04	--
3583	641073.5	4169286.2	Worker	Scenario 1	1.01E-01	2.03E-04	--
3584	641098.5	4169286.2	Worker	Scenario 1	1.06E-01	2.14E-04	--
3585	641123.5	4169286.2	Worker	Scenario 1	1.12E-01	2.27E-04	--
3586	641148.5	4169286.2	Worker	Scenario 1	1.20E-01	2.42E-04	--
3587	641173.5	4169286.2	Worker	Scenario 1	1.30E-01	2.62E-04	--
3588	641348.5	4169286.2	Worker	Scenario 1	7.08E-01	1.43E-03	--
3589	641373.5	4169286.2	Worker	Scenario 1	4.81E-01	9.71E-04	--
3590	641398.5	4169286.2	Worker	Scenario 1	3.70E-01	7.47E-04	--
3591	641423.5	4169286.2	Worker	Scenario 1	3.06E-01	6.18E-04	--
3592	640423.5	4169311.2	Worker	Scenario 1	5.03E-02	1.02E-04	--
3593	640448.5	4169311.2	Worker	Scenario 1	5.12E-02	1.03E-04	--
3594	640473.5	4169311.2	Worker	Scenario 1	5.22E-02	1.05E-04	--
3595	640498.5	4169311.2	Worker	Scenario 1	5.31E-02	1.07E-04	--
3596	640873.5	4169311.2	Worker	Scenario 1	7.47E-02	1.51E-04	--
3597	640898.5	4169311.2	Worker	Scenario 1	7.70E-02	1.55E-04	--
3598	640923.5	4169311.2	Worker	Scenario 1	7.94E-02	1.60E-04	--
3599	640948.5	4169311.2	Worker	Scenario 1	8.20E-02	1.66E-04	--
3600	640973.5	4169311.2	Worker	Scenario 1	8.49E-02	1.72E-04	--
3601	640998.5	4169311.2	Worker	Scenario 1	8.81E-02	1.78E-04	--
3602	641023.5	4169311.2	Worker	Scenario 1	9.17E-02	1.85E-04	--
3603	641048.5	4169311.2	Worker	Scenario 1	9.57E-02	1.93E-04	--
3604	641073.5	4169311.2	Worker	Scenario 1	1.00E-01	2.03E-04	--
3605	641098.5	4169311.2	Worker	Scenario 1	1.06E-01	2.13E-04	--
3606	641123.5	4169311.2	Worker	Scenario 1	1.12E-01	2.26E-04	--
3607	641148.5	4169311.2	Worker	Scenario 1	1.20E-01	2.42E-04	--
3608	641173.5	4169311.2	Worker	Scenario 1	1.29E-01	2.61E-04	--
3609	641348.5	4169311.2	Worker	Scenario 1	7.02E-01	1.42E-03	--
3610	641373.5	4169311.2	Worker	Scenario 1	4.79E-01	9.68E-04	--
3611	641398.5	4169311.2	Worker	Scenario 1	3.69E-01	7.44E-04	--
3612	641423.5	4169311.2	Worker	Scenario 1	3.05E-01	6.16E-04	--
3613	640423.5	4169336.2	Worker	Scenario 1	5.02E-02	1.01E-04	--
3614	640448.5	4169336.2	Worker	Scenario 1	5.11E-02	1.03E-04	--
3615	640473.5	4169336.2	Worker	Scenario 1	5.21E-02	1.05E-04	--
3616	640498.5	4169336.2	Worker	Scenario 1	5.30E-02	1.07E-04	--
3617	640823.5	4169336.2	Worker	Scenario 1	7.05E-02	1.42E-04	--
3618	640848.5	4169336.2	Worker	Scenario 1	7.24E-02	1.46E-04	--
3619	640873.5	4169336.2	Worker	Scenario 1	7.45E-02	1.51E-04	--
3620	640898.5	4169336.2	Worker	Scenario 1	7.68E-02	1.55E-04	--
3621	640923.5	4169336.2	Worker	Scenario 1	7.92E-02	1.60E-04	--
3622	640948.5	4169336.2	Worker	Scenario 1	8.18E-02	1.65E-04	--
3623	640973.5	4169336.2	Worker	Scenario 1	8.47E-02	1.71E-04	--
3624	640998.5	4169336.2	Worker	Scenario 1	8.79E-02	1.77E-04	--
3625	641023.5	4169336.2	Worker	Scenario 1	9.14E-02	1.85E-04	--
3626	641048.5	4169336.2	Worker	Scenario 1	9.54E-02	1.93E-04	--
3627	641073.5	4169336.2	Worker	Scenario 1	1.00E-01	2.02E-04	--
3628	641098.5	4169336.2	Worker	Scenario 1	1.05E-01	2.13E-04	--
3629	641123.5	4169336.2	Worker	Scenario 1	1.12E-01	2.26E-04	--
3630	641148.5	4169336.2	Worker	Scenario 1	1.19E-01	2.41E-04	--
3631	641348.5	4169336.2	Worker	Scenario 1	6.94E-01	1.40E-03	--
3632	641373.5	4169336.2	Worker	Scenario 1	4.76E-01	9.61E-04	--
3633	641398.5	4169336.2	Worker	Scenario 1	3.67E-01	7.41E-04	--
3634	641423.5	4169336.2	Worker	Scenario 1	3.04E-01	6.13E-04	--
3635	640423.5	4169361.2	Worker	Scenario 1	5.01E-02	1.01E-04	--
3636	640448.5	4169361.2	Worker	Scenario 1	5.10E-02	1.03E-04	--
3637	640473.5	4169361.2	Worker	Scenario 1	5.20E-02	1.05E-04	--
3638	640498.5	4169361.2	Worker	Scenario 1	5.29E-02	1.07E-04	--
3639	640798.5	4169361.2	Worker	Scenario 1	6.85E-02	1.38E-04	--
3640	640823.5	4169361.2	Worker	Scenario 1	7.03E-02	1.42E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3641	640848.5	4169361.2	Worker	Scenario 1	7.22E-02	1.46E-04	--
3642	640873.5	4169361.2	Worker	Scenario 1	7.43E-02	1.50E-04	--
3643	640898.5	4169361.2	Worker	Scenario 1	7.65E-02	1.55E-04	--
3644	640923.5	4169361.2	Worker	Scenario 1	7.89E-02	1.59E-04	--
3645	640948.5	4169361.2	Worker	Scenario 1	8.16E-02	1.65E-04	--
3646	640973.5	4169361.2	Worker	Scenario 1	8.44E-02	1.71E-04	--
3647	640998.5	4169361.2	Worker	Scenario 1	8.76E-02	1.77E-04	--
3648	641023.5	4169361.2	Worker	Scenario 1	9.12E-02	1.84E-04	--
3649	641048.5	4169361.2	Worker	Scenario 1	9.52E-02	1.92E-04	--
3650	641073.5	4169361.2	Worker	Scenario 1	9.98E-02	2.01E-04	--
3651	641098.5	4169361.2	Worker	Scenario 1	1.05E-01	2.12E-04	--
3652	641123.5	4169361.2	Worker	Scenario 1	1.11E-01	2.25E-04	--
3653	641148.5	4169361.2	Worker	Scenario 1	1.19E-01	2.41E-04	--
3654	641348.5	4169361.2	Worker	Scenario 1	6.85E-01	1.38E-03	--
3655	641373.5	4169361.2	Worker	Scenario 1	4.72E-01	9.53E-04	--
3656	641398.5	4169361.2	Worker	Scenario 1	3.64E-01	7.36E-04	--
3657	641423.5	4169361.2	Worker	Scenario 1	3.02E-01	6.10E-04	--
3658	640423.5	4169386.2	Worker	Scenario 1	5.00E-02	1.01E-04	--
3659	640448.5	4169386.2	Worker	Scenario 1	5.09E-02	1.03E-04	--
3660	640473.5	4169386.2	Worker	Scenario 1	5.19E-02	1.05E-04	--
3661	640498.5	4169386.2	Worker	Scenario 1	5.28E-02	1.07E-04	--
3662	640773.5	4169386.2	Worker	Scenario 1	6.67E-02	1.35E-04	--
3663	640798.5	4169386.2	Worker	Scenario 1	6.83E-02	1.38E-04	--
3664	640823.5	4169386.2	Worker	Scenario 1	7.01E-02	1.42E-04	--
3665	640848.5	4169386.2	Worker	Scenario 1	7.20E-02	1.46E-04	--
3666	640873.5	4169386.2	Worker	Scenario 1	7.41E-02	1.50E-04	--
3667	640898.5	4169386.2	Worker	Scenario 1	7.63E-02	1.54E-04	--
3668	640923.5	4169386.2	Worker	Scenario 1	7.87E-02	1.59E-04	--
3669	641098.5	4169386.2	Worker	Scenario 1	1.05E-01	2.12E-04	--
3670	641123.5	4169386.2	Worker	Scenario 1	1.11E-01	2.24E-04	--
3671	641148.5	4169386.2	Worker	Scenario 1	1.19E-01	2.40E-04	--
3672	641173.5	4169386.2	Worker	Scenario 1	1.29E-01	2.60E-04	--
3673	641198.5	4169386.2	Worker	Scenario 1	1.41E-01	2.85E-04	--
3674	641223.5	4169386.2	Worker	Scenario 1	1.59E-01	3.21E-04	--
3675	641248.5	4169386.2	Worker	Scenario 1	1.86E-01	3.75E-04	--
3676	641273.5	4169386.2	Worker	Scenario 1	2.30E-01	4.65E-04	--
3677	641298.5	4169386.2	Worker	Scenario 1	3.20E-01	6.47E-04	--
3678	641348.5	4169386.2	Worker	Scenario 1	6.77E-01	1.37E-03	--
3679	641373.5	4169386.2	Worker	Scenario 1	4.68E-01	9.45E-04	--
3680	641398.5	4169386.2	Worker	Scenario 1	3.62E-01	7.31E-04	--
3681	641423.5	4169386.2	Worker	Scenario 1	3.00E-01	6.06E-04	--
3682	640423.5	4169411.2	Worker	Scenario 1	4.99E-02	1.01E-04	--
3683	640448.5	4169411.2	Worker	Scenario 1	5.08E-02	1.03E-04	--
3684	640473.5	4169411.2	Worker	Scenario 1	5.17E-02	1.05E-04	--
3685	640498.5	4169411.2	Worker	Scenario 1	5.27E-02	1.06E-04	--
3686	640698.5	4169411.2	Worker	Scenario 1	6.20E-02	1.25E-04	--
3687	640723.5	4169411.2	Worker	Scenario 1	6.34E-02	1.28E-04	--
3688	640748.5	4169411.2	Worker	Scenario 1	6.49E-02	1.31E-04	--
3689	640773.5	4169411.2	Worker	Scenario 1	6.65E-02	1.34E-04	--
3690	640798.5	4169411.2	Worker	Scenario 1	6.81E-02	1.38E-04	--
3691	640823.5	4169411.2	Worker	Scenario 1	6.99E-02	1.41E-04	--
3692	640848.5	4169411.2	Worker	Scenario 1	7.18E-02	1.45E-04	--
3693	640873.5	4169411.2	Worker	Scenario 1	7.39E-02	1.49E-04	--
3694	641098.5	4169411.2	Worker	Scenario 1	1.04E-01	2.11E-04	--
3695	641123.5	4169411.2	Worker	Scenario 1	1.11E-01	2.24E-04	--
3696	641148.5	4169411.2	Worker	Scenario 1	1.19E-01	2.39E-04	--
3697	641173.5	4169411.2	Worker	Scenario 1	1.28E-01	2.59E-04	--
3698	641198.5	4169411.2	Worker	Scenario 1	1.41E-01	2.85E-04	--
3699	641223.5	4169411.2	Worker	Scenario 1	1.59E-01	3.21E-04	--
3700	641248.5	4169411.2	Worker	Scenario 1	1.86E-01	3.75E-04	--
3701	641273.5	4169411.2	Worker	Scenario 1	2.31E-01	4.66E-04	--
3702	641298.5	4169411.2	Worker	Scenario 1	3.22E-01	6.51E-04	--
3703	641348.5	4169411.2	Worker	Scenario 1	6.69E-01	1.35E-03	--
3704	641373.5	4169411.2	Worker	Scenario 1	4.64E-01	9.37E-04	--
3705	641398.5	4169411.2	Worker	Scenario 1	3.59E-01	7.26E-04	--
3706	641423.5	4169411.2	Worker	Scenario 1	2.98E-01	6.03E-04	--
3707	640423.5	4169436.2	Worker	Scenario 1	4.98E-02	1.01E-04	--
3708	640448.5	4169436.2	Worker	Scenario 1	5.07E-02	1.02E-04	--
3709	640473.5	4169436.2	Worker	Scenario 1	5.16E-02	1.04E-04	--
3710	640498.5	4169436.2	Worker	Scenario 1	5.26E-02	1.06E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3711	640523.5	4169436.2	Worker	Scenario 1	5.36E-02	1.08E-04	--
3712	640548.5	4169436.2	Worker	Scenario 1	5.46E-02	1.10E-04	--
3713	640573.5	4169436.2	Worker	Scenario 1	5.57E-02	1.12E-04	--
3714	640598.5	4169436.2	Worker	Scenario 1	5.68E-02	1.15E-04	--
3715	640623.5	4169436.2	Worker	Scenario 1	5.79E-02	1.17E-04	--
3716	640648.5	4169436.2	Worker	Scenario 1	5.92E-02	1.20E-04	--
3717	640673.5	4169436.2	Worker	Scenario 1	6.05E-02	1.22E-04	--
3718	640698.5	4169436.2	Worker	Scenario 1	6.18E-02	1.25E-04	--
3719	640723.5	4169436.2	Worker	Scenario 1	6.32E-02	1.28E-04	--
3720	640748.5	4169436.2	Worker	Scenario 1	6.47E-02	1.31E-04	--
3721	640773.5	4169436.2	Worker	Scenario 1	6.63E-02	1.34E-04	--
3722	640798.5	4169436.2	Worker	Scenario 1	6.79E-02	1.37E-04	--
3723	640823.5	4169436.2	Worker	Scenario 1	6.97E-02	1.41E-04	--
3724	641098.5	4169436.2	Worker	Scenario 1	1.04E-01	2.10E-04	--
3725	641123.5	4169436.2	Worker	Scenario 1	1.10E-01	2.23E-04	--
3726	641148.5	4169436.2	Worker	Scenario 1	1.18E-01	2.39E-04	--
3727	641173.5	4169436.2	Worker	Scenario 1	1.28E-01	2.59E-04	--
3728	641198.5	4169436.2	Worker	Scenario 1	1.41E-01	2.85E-04	--
3729	641223.5	4169436.2	Worker	Scenario 1	1.59E-01	3.21E-04	--
3730	641248.5	4169436.2	Worker	Scenario 1	1.86E-01	3.75E-04	--
3731	641273.5	4169436.2	Worker	Scenario 1	2.32E-01	4.68E-04	--
3732	641298.5	4169436.2	Worker	Scenario 1	3.25E-01	6.56E-04	--
3733	641348.5	4169436.2	Worker	Scenario 1	6.61E-01	1.34E-03	--
3734	641373.5	4169436.2	Worker	Scenario 1	4.60E-01	9.28E-04	--
3735	641398.5	4169436.2	Worker	Scenario 1	3.57E-01	7.21E-04	--
3736	640423.5	4169461.2	Worker	Scenario 1	4.97E-02	1.00E-04	--
3737	640448.5	4169461.2	Worker	Scenario 1	5.06E-02	1.02E-04	--
3738	640473.5	4169461.2	Worker	Scenario 1	5.15E-02	1.04E-04	--
3739	640498.5	4169461.2	Worker	Scenario 1	5.25E-02	1.06E-04	--
3740	640523.5	4169461.2	Worker	Scenario 1	5.34E-02	1.08E-04	--
3741	640548.5	4169461.2	Worker	Scenario 1	5.44E-02	1.10E-04	--
3742	640573.5	4169461.2	Worker	Scenario 1	5.55E-02	1.12E-04	--
3743	640598.5	4169461.2	Worker	Scenario 1	5.66E-02	1.14E-04	--
3744	640623.5	4169461.2	Worker	Scenario 1	5.78E-02	1.17E-04	--
3745	640648.5	4169461.2	Worker	Scenario 1	5.90E-02	1.19E-04	--
3746	640673.5	4169461.2	Worker	Scenario 1	6.03E-02	1.22E-04	--
3747	640698.5	4169461.2	Worker	Scenario 1	6.16E-02	1.24E-04	--
3748	640723.5	4169461.2	Worker	Scenario 1	6.30E-02	1.27E-04	--
3749	640748.5	4169461.2	Worker	Scenario 1	6.45E-02	1.30E-04	--
3750	640773.5	4169461.2	Worker	Scenario 1	6.61E-02	1.33E-04	--
3751	640798.5	4169461.2	Worker	Scenario 1	6.77E-02	1.37E-04	--
3752	641148.5	4169461.2	Worker	Scenario 1	1.18E-01	2.38E-04	--
3753	641173.5	4169461.2	Worker	Scenario 1	1.28E-01	2.58E-04	--
3754	641198.5	4169461.2	Worker	Scenario 1	1.41E-01	2.84E-04	--
3755	641223.5	4169461.2	Worker	Scenario 1	1.59E-01	3.21E-04	--
3756	641248.5	4169461.2	Worker	Scenario 1	1.86E-01	3.76E-04	--
3757	641273.5	4169461.2	Worker	Scenario 1	2.32E-01	4.69E-04	--
3758	641298.5	4169461.2	Worker	Scenario 1	3.27E-01	6.60E-04	--
3759	641348.5	4169461.2	Worker	Scenario 1	6.53E-01	1.32E-03	--
3760	641373.5	4169461.2	Worker	Scenario 1	4.55E-01	9.20E-04	--
3761	638073.5	4169486.2	Worker	Scenario 1	1.39E-02	2.81E-05	--
3762	639398.5	4169486.2	Worker	Scenario 1	2.78E-02	5.62E-05	--
3763	640448.5	4169486.2	Worker	Scenario 1	5.04E-02	1.02E-04	--
3764	640473.5	4169486.2	Worker	Scenario 1	5.13E-02	1.04E-04	--
3765	640498.5	4169486.2	Worker	Scenario 1	5.23E-02	1.06E-04	--
3766	640523.5	4169486.2	Worker	Scenario 1	5.33E-02	1.08E-04	--
3767	640548.5	4169486.2	Worker	Scenario 1	5.43E-02	1.10E-04	--
3768	640573.5	4169486.2	Worker	Scenario 1	5.53E-02	1.12E-04	--
3769	640598.5	4169486.2	Worker	Scenario 1	5.64E-02	1.14E-04	--
3770	640623.5	4169486.2	Worker	Scenario 1	5.76E-02	1.16E-04	--
3771	640648.5	4169486.2	Worker	Scenario 1	5.88E-02	1.19E-04	--
3772	640673.5	4169486.2	Worker	Scenario 1	6.01E-02	1.21E-04	--
3773	640698.5	4169486.2	Worker	Scenario 1	6.14E-02	1.24E-04	--
3774	640723.5	4169486.2	Worker	Scenario 1	6.28E-02	1.27E-04	--
3775	640748.5	4169486.2	Worker	Scenario 1	6.43E-02	1.30E-04	--
3776	640773.5	4169486.2	Worker	Scenario 1	6.59E-02	1.33E-04	--
3777	638048.5	4169511.2	Worker	Scenario 1	1.38E-02	2.79E-05	--
3778	638073.5	4169511.2	Worker	Scenario 1	1.40E-02	2.84E-05	--
3779	640473.5	4169511.2	Worker	Scenario 1	5.12E-02	1.03E-04	--
3780	640498.5	4169511.2	Worker	Scenario 1	5.21E-02	1.05E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3781	640523.5	4169511.2	Worker	Scenario 1	5.31E-02	1.07E-04	--
3782	640548.5	4169511.2	Worker	Scenario 1	5.41E-02	1.09E-04	--
3783	640573.5	4169511.2	Worker	Scenario 1	5.52E-02	1.11E-04	--
3784	640598.5	4169511.2	Worker	Scenario 1	5.63E-02	1.14E-04	--
3785	640623.5	4169511.2	Worker	Scenario 1	5.75E-02	1.16E-04	--
3786	640648.5	4169511.2	Worker	Scenario 1	5.87E-02	1.18E-04	--
3787	640673.5	4169511.2	Worker	Scenario 1	5.99E-02	1.21E-04	--
3788	638023.5	4169536.2	Worker	Scenario 1	1.38E-02	2.78E-05	--
3789	638048.5	4169536.2	Worker	Scenario 1	1.40E-02	2.82E-05	--
3790	638073.5	4169536.2	Worker	Scenario 1	1.41E-02	2.85E-05	--
3791	637998.5	4169561.2	Worker	Scenario 1	1.37E-02	2.77E-05	--
3792	638023.5	4169561.2	Worker	Scenario 1	1.39E-02	2.81E-05	--
3793	638048.5	4169561.2	Worker	Scenario 1	1.41E-02	2.84E-05	--
3794	638073.5	4169561.2	Worker	Scenario 1	1.42E-02	2.87E-05	--
3795	637998.5	4169586.2	Worker	Scenario 1	1.38E-02	2.80E-05	--
3796	638023.5	4169586.2	Worker	Scenario 1	1.40E-02	2.83E-05	--
3797	638048.5	4169586.2	Worker	Scenario 1	1.42E-02	2.86E-05	--
3798	638073.5	4169586.2	Worker	Scenario 1	1.43E-02	2.89E-05	--
3799	637998.5	4169611.2	Worker	Scenario 1	1.39E-02	2.81E-05	--
3800	638023.5	4169611.2	Worker	Scenario 1	1.41E-02	2.85E-05	--
3801	638048.5	4169611.2	Worker	Scenario 1	1.42E-02	2.88E-05	--
3802	638073.5	4169611.2	Worker	Scenario 1	1.44E-02	2.91E-05	--
3803	639248.5	4169611.2	Worker	Scenario 1	2.62E-02	5.28E-05	--
3804	637998.5	4169636.2	Worker	Scenario 1	1.40E-02	2.83E-05	--
3805	638023.5	4169636.2	Worker	Scenario 1	1.42E-02	2.86E-05	--
3806	638048.5	4169636.2	Worker	Scenario 1	1.43E-02	2.89E-05	--
3807	638073.5	4169636.2	Worker	Scenario 1	1.45E-02	2.92E-05	--
3808	637998.5	4169661.2	Worker	Scenario 1	1.41E-02	2.85E-05	--
3809	638023.5	4169661.2	Worker	Scenario 1	1.42E-02	2.88E-05	--
3810	638048.5	4169661.2	Worker	Scenario 1	1.44E-02	2.91E-05	--
3811	638073.5	4169661.2	Worker	Scenario 1	1.45E-02	2.94E-05	--
3812	637998.5	4169686.2	Worker	Scenario 1	1.42E-02	2.86E-05	--
3813	638023.5	4169686.2	Worker	Scenario 1	1.43E-02	2.89E-05	--
3814	638048.5	4169686.2	Worker	Scenario 1	1.45E-02	2.92E-05	--
3815	638073.5	4169686.2	Worker	Scenario 1	1.46E-02	2.96E-05	--
3816	637998.5	4169711.2	Worker	Scenario 1	1.43E-02	2.88E-05	--
3817	638023.5	4169711.2	Worker	Scenario 1	1.44E-02	2.91E-05	--
3818	638048.5	4169711.2	Worker	Scenario 1	1.44E-02	2.91E-05	--
3819	638073.5	4169711.2	Worker	Scenario 1	1.47E-02	2.97E-05	--
3820	637998.5	4169736.2	Worker	Scenario 1	1.43E-02	2.90E-05	--
3821	638023.5	4169736.2	Worker	Scenario 1	1.45E-02	2.92E-05	--
3822	638048.5	4169736.2	Worker	Scenario 1	1.44E-02	2.91E-05	--
3823	638073.5	4169736.2	Worker	Scenario 1	1.48E-02	2.99E-05	--
3824	639098.5	4169736.2	Worker	Scenario 1	2.47E-02	4.98E-05	--
3825	637998.5	4169761.2	Worker	Scenario 1	1.44E-02	2.91E-05	--
3826	638023.5	4169761.2	Worker	Scenario 1	1.46E-02	2.94E-05	--
3827	638048.5	4169761.2	Worker	Scenario 1	1.46E-02	2.96E-05	--
3828	638073.5	4169761.2	Worker	Scenario 1	1.49E-02	3.01E-05	--
3829	639073.5	4169761.2	Worker	Scenario 1	2.44E-02	4.93E-05	--
3830	637998.5	4169786.2	Worker	Scenario 1	1.45E-02	2.93E-05	--
3831	638023.5	4169786.2	Worker	Scenario 1	1.47E-02	2.96E-05	--
3832	638048.5	4169786.2	Worker	Scenario 1	1.48E-02	2.99E-05	--
3833	638073.5	4169786.2	Worker	Scenario 1	1.50E-02	3.03E-05	--
3834	639048.5	4169786.2	Worker	Scenario 1	2.42E-02	4.88E-05	--
3835	637998.5	4169811.2	Worker	Scenario 1	1.46E-02	2.95E-05	--
3836	638023.5	4169811.2	Worker	Scenario 1	1.47E-02	2.98E-05	--
3837	638048.5	4169811.2	Worker	Scenario 1	1.49E-02	3.01E-05	--
3838	638073.5	4169811.2	Worker	Scenario 1	1.51E-02	3.04E-05	--
3839	637998.5	4169836.2	Worker	Scenario 1	1.47E-02	2.97E-05	--
3840	638023.5	4169836.2	Worker	Scenario 1	1.48E-02	2.99E-05	--
3841	638048.5	4169836.2	Worker	Scenario 1	1.50E-02	3.03E-05	--
3842	638073.5	4169836.2	Worker	Scenario 1	1.52E-02	3.06E-05	--
3843	637998.5	4169861.2	Worker	Scenario 1	1.48E-02	2.98E-05	--
3844	638023.5	4169861.2	Worker	Scenario 1	1.49E-02	3.01E-05	--
3845	638048.5	4169861.2	Worker	Scenario 1	1.51E-02	3.04E-05	--
3846	638073.5	4169861.2	Worker	Scenario 1	1.52E-02	3.08E-05	--
3847	637998.5	4169886.2	Worker	Scenario 1	1.48E-02	3.00E-05	--
3848	638023.5	4169886.2	Worker	Scenario 1	1.50E-02	3.03E-05	--
3849	638048.5	4169886.2	Worker	Scenario 1	1.51E-02	3.06E-05	--
3850	638073.5	4169886.2	Worker	Scenario 1	1.53E-02	3.09E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3851	637998.5	4169911.2	Worker	Scenario 1	1.49E-02	3.02E-05	--
3852	638023.5	4169911.2	Worker	Scenario 1	1.51E-02	3.05E-05	--
3853	638048.5	4169911.2	Worker	Scenario 1	1.52E-02	3.08E-05	--
3854	638073.5	4169911.2	Worker	Scenario 1	1.54E-02	3.11E-05	--
3855	637998.5	4169936.2	Worker	Scenario 1	1.50E-02	3.03E-05	--
3856	638023.5	4169936.2	Worker	Scenario 1	1.52E-02	3.06E-05	--
3857	638048.5	4169936.2	Worker	Scenario 1	1.53E-02	3.10E-05	--
3858	638073.5	4169936.2	Worker	Scenario 1	1.55E-02	3.13E-05	--
3859	637998.5	4169961.2	Worker	Scenario 1	1.51E-02	3.05E-05	--
3860	638023.5	4169961.2	Worker	Scenario 1	1.52E-02	3.08E-05	--
3861	638048.5	4169961.2	Worker	Scenario 1	1.54E-02	3.11E-05	--
3862	638073.5	4169961.2	Worker	Scenario 1	1.56E-02	3.15E-05	--
3863	637998.5	4169986.2	Worker	Scenario 1	1.52E-02	3.06E-05	--
3864	638023.5	4169986.2	Worker	Scenario 1	1.53E-02	3.10E-05	--
3865	638048.5	4169986.2	Worker	Scenario 1	1.55E-02	3.13E-05	--
3866	638073.5	4169986.2	Worker	Scenario 1	1.56E-02	3.16E-05	--
3867	637998.5	4170011.2	Worker	Scenario 1	1.53E-02	3.08E-05	--
3868	638023.5	4170011.2	Worker	Scenario 1	1.54E-02	3.11E-05	--
3869	638048.5	4170011.2	Worker	Scenario 1	1.56E-02	3.14E-05	--
3870	638073.5	4170011.2	Worker	Scenario 1	1.57E-02	3.18E-05	--
3871	637998.5	4170036.2	Worker	Scenario 1	1.53E-02	3.08E-05	--
3872	638023.5	4170036.2	Worker	Scenario 1	1.54E-02	3.11E-05	--
3873	638048.5	4170036.2	Worker	Scenario 1	1.56E-02	3.15E-05	--
3874	638073.5	4170036.2	Worker	Scenario 1	1.58E-02	3.19E-05	--
3875	638098.5	4170036.2	Worker	Scenario 1	1.60E-02	3.24E-05	--
3876	638123.5	4170036.2	Worker	Scenario 1	1.62E-02	3.27E-05	--
3877	638148.5	4170036.2	Worker	Scenario 1	1.63E-02	3.30E-05	--
3878	638173.5	4170036.2	Worker	Scenario 1	1.65E-02	3.33E-05	--
3879	638198.5	4170036.2	Worker	Scenario 1	1.66E-02	3.36E-05	--
3880	638223.5	4170036.2	Worker	Scenario 1	1.68E-02	3.40E-05	--
3881	638248.5	4170036.2	Worker	Scenario 1	1.70E-02	3.43E-05	--
3882	638273.5	4170036.2	Worker	Scenario 1	1.72E-02	3.47E-05	--
3883	638298.5	4170036.2	Worker	Scenario 1	1.74E-02	3.52E-05	--
3884	638323.5	4170036.2	Worker	Scenario 1	1.76E-02	3.56E-05	--
3885	638348.5	4170036.2	Worker	Scenario 1	1.78E-02	3.60E-05	--
3886	638373.5	4170036.2	Worker	Scenario 1	1.80E-02	3.64E-05	--
3887	638398.5	4170036.2	Worker	Scenario 1	1.82E-02	3.68E-05	--
3888	638423.5	4170036.2	Worker	Scenario 1	1.84E-02	3.73E-05	--
3889	638448.5	4170036.2	Worker	Scenario 1	1.87E-02	3.77E-05	--
3890	638473.5	4170036.2	Worker	Scenario 1	1.89E-02	3.81E-05	--
3891	638498.5	4170036.2	Worker	Scenario 1	1.91E-02	3.86E-05	--
3892	638523.5	4170036.2	Worker	Scenario 1	1.93E-02	3.90E-05	--
3893	638548.5	4170036.2	Worker	Scenario 1	1.96E-02	3.95E-05	--
3894	638573.5	4170036.2	Worker	Scenario 1	1.98E-02	4.00E-05	--
3895	638598.5	4170036.2	Worker	Scenario 1	2.00E-02	4.05E-05	--
3896	638623.5	4170036.2	Worker	Scenario 1	2.03E-02	4.10E-05	--
3897	638648.5	4170036.2	Worker	Scenario 1	2.05E-02	4.15E-05	--
3898	638673.5	4170036.2	Worker	Scenario 1	2.08E-02	4.20E-05	--
3899	638698.5	4170036.2	Worker	Scenario 1	2.10E-02	4.25E-05	--
3900	638723.5	4170036.2	Worker	Scenario 1	2.13E-02	4.30E-05	--
3901	638748.5	4170036.2	Worker	Scenario 1	2.15E-02	4.35E-05	--
3902	638023.5	4170061.2	Worker	Scenario 1	1.60E-02	3.24E-05	--
3903	638048.5	4170061.2	Worker	Scenario 1	1.58E-02	3.18E-05	--
3904	638073.5	4170061.2	Worker	Scenario 1	1.58E-02	3.20E-05	--
3905	638098.5	4170061.2	Worker	Scenario 1	1.61E-02	3.25E-05	--
3906	638123.5	4170061.2	Worker	Scenario 1	1.59E-02	3.21E-05	--
3907	638148.5	4170061.2	Worker	Scenario 1	1.57E-02	3.17E-05	--
3908	638173.5	4170061.2	Worker	Scenario 1	1.57E-02	3.18E-05	--
3909	638198.5	4170061.2	Worker	Scenario 1	1.58E-02	3.20E-05	--
3910	638223.5	4170061.2	Worker	Scenario 1	1.60E-02	3.23E-05	--
3911	638248.5	4170061.2	Worker	Scenario 1	1.61E-02	3.26E-05	--
3912	638273.5	4170061.2	Worker	Scenario 1	1.63E-02	3.30E-05	--
3913	638298.5	4170061.2	Worker	Scenario 1	1.65E-02	3.34E-05	--
3914	638323.5	4170061.2	Worker	Scenario 1	1.67E-02	3.38E-05	--
3915	638348.5	4170061.2	Worker	Scenario 1	1.69E-02	3.42E-05	--
3916	638373.5	4170061.2	Worker	Scenario 1	1.71E-02	3.46E-05	--
3917	638398.5	4170061.2	Worker	Scenario 1	1.73E-02	3.50E-05	--
3918	638423.5	4170061.2	Worker	Scenario 1	1.76E-02	3.55E-05	--
3919	638448.5	4170061.2	Worker	Scenario 1	1.79E-02	3.61E-05	--
3920	638473.5	4170061.2	Worker	Scenario 1	1.83E-02	3.69E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3921	638498.5	4170061.2	Worker	Scenario 1	1.91E-02	3.85E-05	--
3922	638523.5	4170061.2	Worker	Scenario 1	1.93E-02	3.91E-05	--
3923	638548.5	4170061.2	Worker	Scenario 1	1.95E-02	3.93E-05	--
3924	638573.5	4170061.2	Worker	Scenario 1	1.97E-02	3.97E-05	--
3925	638598.5	4170061.2	Worker	Scenario 1	1.99E-02	4.02E-05	--
3926	638623.5	4170061.2	Worker	Scenario 1	2.01E-02	4.06E-05	--
3927	638648.5	4170061.2	Worker	Scenario 1	2.04E-02	4.11E-05	--
3928	638673.5	4170061.2	Worker	Scenario 1	2.06E-02	4.16E-05	--
3929	638698.5	4170061.2	Worker	Scenario 1	2.09E-02	4.22E-05	--
3930	638723.5	4170061.2	Worker	Scenario 1	2.12E-02	4.27E-05	--
3931	638748.5	4170061.2	Worker	Scenario 1	2.16E-02	4.35E-05	--
3932	638048.5	4170086.2	Worker	Scenario 1	1.59E-02	3.22E-05	--
3933	638073.5	4170086.2	Worker	Scenario 1	1.59E-02	3.22E-05	--
3934	638098.5	4170086.2	Worker	Scenario 1	1.61E-02	3.26E-05	--
3935	638123.5	4170086.2	Worker	Scenario 1	1.60E-02	3.22E-05	--
3936	638148.5	4170086.2	Worker	Scenario 1	1.63E-02	3.29E-05	--
3937	638173.5	4170086.2	Worker	Scenario 1	1.65E-02	3.34E-05	--
3938	638198.5	4170086.2	Worker	Scenario 1	1.67E-02	3.37E-05	--
3939	638223.5	4170086.2	Worker	Scenario 1	1.69E-02	3.41E-05	--
3940	638248.5	4170086.2	Worker	Scenario 1	1.71E-02	3.44E-05	--
3941	638273.5	4170086.2	Worker	Scenario 1	1.72E-02	3.48E-05	--
3942	638298.5	4170086.2	Worker	Scenario 1	1.74E-02	3.52E-05	--
3943	638323.5	4170086.2	Worker	Scenario 1	1.76E-02	3.56E-05	--
3944	638348.5	4170086.2	Worker	Scenario 1	1.78E-02	3.59E-05	--
3945	638373.5	4170086.2	Worker	Scenario 1	1.80E-02	3.64E-05	--
3946	638398.5	4170086.2	Worker	Scenario 1	1.82E-02	3.68E-05	--
3947	638423.5	4170086.2	Worker	Scenario 1	1.84E-02	3.72E-05	--
3948	638448.5	4170086.2	Worker	Scenario 1	1.86E-02	3.77E-05	--
3949	638473.5	4170086.2	Worker	Scenario 1	1.87E-02	3.78E-05	--
3950	638498.5	4170086.2	Worker	Scenario 1	1.90E-02	3.85E-05	--
3951	638523.5	4170086.2	Worker	Scenario 1	1.95E-02	3.93E-05	--
3952	638548.5	4170086.2	Worker	Scenario 1	1.96E-02	3.97E-05	--
3953	638573.5	4170086.2	Worker	Scenario 1	1.99E-02	4.01E-05	--
3954	638598.5	4170086.2	Worker	Scenario 1	2.01E-02	4.06E-05	--
3955	638623.5	4170086.2	Worker	Scenario 1	2.03E-02	4.11E-05	--
3956	638648.5	4170086.2	Worker	Scenario 1	2.06E-02	4.16E-05	--
3957	638673.5	4170086.2	Worker	Scenario 1	2.08E-02	4.21E-05	--
3958	638698.5	4170086.2	Worker	Scenario 1	2.11E-02	4.27E-05	--
3959	638723.5	4170086.2	Worker	Scenario 1	2.14E-02	4.32E-05	--
3960	638323.5	4170111.2	Worker	Scenario 1	1.78E-02	3.60E-05	--
3961	638348.5	4170111.2	Worker	Scenario 1	1.80E-02	3.64E-05	--
3962	638373.5	4170111.2	Worker	Scenario 1	1.82E-02	3.68E-05	--
3963	638398.5	4170111.2	Worker	Scenario 1	1.84E-02	3.72E-05	--
3964	638423.5	4170111.2	Worker	Scenario 1	1.86E-02	3.76E-05	--
3965	638448.5	4170111.2	Worker	Scenario 1	1.89E-02	3.81E-05	--
3966	638473.5	4170111.2	Worker	Scenario 1	1.91E-02	3.85E-05	--
3967	638498.5	4170111.2	Worker	Scenario 1	1.93E-02	3.89E-05	--
3968	638523.5	4170111.2	Worker	Scenario 1	1.96E-02	3.95E-05	--
3969	638548.5	4170111.2	Worker	Scenario 1	1.98E-02	3.99E-05	--
3970	638573.5	4170111.2	Worker	Scenario 1	2.00E-02	4.04E-05	--
3971	638598.5	4170111.2	Worker	Scenario 1	2.02E-02	4.09E-05	--
3972	638623.5	4170111.2	Worker	Scenario 1	2.05E-02	4.14E-05	--
3973	638648.5	4170111.2	Worker	Scenario 1	2.07E-02	4.19E-05	--
3974	638673.5	4170111.2	Worker	Scenario 1	2.10E-02	4.24E-05	--
3975	638698.5	4170111.2	Worker	Scenario 1	2.12E-02	4.29E-05	--
3976	642711.0	4166673.7	Worker	Scenario 1	1.11E-01	2.25E-04	--
3977	642761.0	4166673.7	Worker	Scenario 1	1.15E-01	2.33E-04	--
3978	642811.0	4166673.7	Worker	Scenario 1	1.18E-01	2.38E-04	--
3979	642861.0	4166673.7	Worker	Scenario 1	1.24E-01	2.50E-04	--
3980	642911.0	4166673.7	Worker	Scenario 1	1.26E-01	2.55E-04	--
3981	642961.0	4166673.7	Worker	Scenario 1	1.28E-01	2.59E-04	--
3982	643011.0	4166673.7	Worker	Scenario 1	1.37E-01	2.76E-04	--
3983	643061.0	4166673.7	Worker	Scenario 1	1.43E-01	2.88E-04	--
3984	643111.0	4166673.7	Worker	Scenario 1	1.50E-01	3.03E-04	--
3985	643161.0	4166673.7	Worker	Scenario 1	1.59E-01	3.22E-04	--
3986	643211.0	4166673.7	Worker	Scenario 1	1.69E-01	3.42E-04	--
3987	643261.0	4166673.7	Worker	Scenario 1	1.80E-01	3.63E-04	--
3988	643311.0	4166673.7	Worker	Scenario 1	1.91E-01	3.85E-04	--
3989	643361.0	4166673.7	Worker	Scenario 1	2.02E-01	4.07E-04	--
3990	643411.0	4166673.7	Worker	Scenario 1	2.12E-01	4.29E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3991	643461.0	4166673.7	Worker	Scenario 1	2.22E-01	4.49E-04	--
3992	643511.0	4166673.7	Worker	Scenario 1	2.31E-01	4.67E-04	--
3993	643561.0	4166673.7	Worker	Scenario 1	2.39E-01	4.83E-04	--
3994	643611.0	4166673.7	Worker	Scenario 1	2.45E-01	4.94E-04	--
3995	643661.0	4166673.7	Worker	Scenario 1	2.48E-01	5.01E-04	--
3996	643711.0	4166673.7	Worker	Scenario 1	2.49E-01	5.03E-04	--
3997	643761.0	4166673.7	Worker	Scenario 1	2.48E-01	5.00E-04	--
3998	643811.0	4166673.7	Worker	Scenario 1	2.45E-01	4.94E-04	--
3999	643861.0	4166673.7	Worker	Scenario 1	2.40E-01	4.85E-04	--
4000	643911.0	4166673.7	Worker	Scenario 1	2.36E-01	4.76E-04	--
4001	643961.0	4166673.7	Worker	Scenario 1	2.31E-01	4.66E-04	--
4002	644011.0	4166673.7	Worker	Scenario 1	2.26E-01	4.57E-04	--
4003	644061.0	4166673.7	Worker	Scenario 1	2.22E-01	4.49E-04	--
4004	644111.0	4166673.7	Worker	Scenario 1	2.19E-01	4.41E-04	--
4005	641461.0	4166723.7	Worker	Scenario 1	2.52E-01	5.08E-04	--
4006	641511.0	4166723.7	Worker	Scenario 1	1.83E-01	3.69E-04	--
4007	641561.0	4166723.7	Worker	Scenario 1	1.47E-01	2.96E-04	--
4008	641611.0	4166723.7	Worker	Scenario 1	1.25E-01	2.52E-04	--
4009	641661.0	4166723.7	Worker	Scenario 1	1.11E-01	2.24E-04	--
4010	641711.0	4166723.7	Worker	Scenario 1	1.01E-01	2.04E-04	--
4011	641761.0	4166723.7	Worker	Scenario 1	9.42E-02	1.90E-04	--
4012	641811.0	4166723.7	Worker	Scenario 1	8.94E-02	1.81E-04	--
4013	641861.0	4166723.7	Worker	Scenario 1	8.59E-02	1.73E-04	--
4014	641911.0	4166723.7	Worker	Scenario 1	8.35E-02	1.69E-04	--
4015	641961.0	4166723.7	Worker	Scenario 1	8.19E-02	1.65E-04	--
4016	642011.0	4166723.7	Worker	Scenario 1	8.11E-02	1.64E-04	--
4017	642061.0	4166723.7	Worker	Scenario 1	8.07E-02	1.63E-04	--
4018	642111.0	4166723.7	Worker	Scenario 1	8.09E-02	1.63E-04	--
4019	642161.0	4166723.7	Worker	Scenario 1	8.18E-02	1.65E-04	--
4020	642211.0	4166723.7	Worker	Scenario 1	8.32E-02	1.68E-04	--
4021	642261.0	4166723.7	Worker	Scenario 1	8.52E-02	1.72E-04	--
4022	642311.0	4166723.7	Worker	Scenario 1	8.80E-02	1.78E-04	--
4023	642361.0	4166723.7	Worker	Scenario 1	9.13E-02	1.84E-04	--
4024	642411.0	4166723.7	Worker	Scenario 1	9.53E-02	1.92E-04	--
4025	642661.0	4166723.7	Worker	Scenario 1	1.18E-01	2.39E-04	--
4026	642711.0	4166723.7	Worker	Scenario 1	1.23E-01	2.48E-04	--
4027	642761.0	4166723.7	Worker	Scenario 1	1.27E-01	2.57E-04	--
4028	642811.0	4166723.7	Worker	Scenario 1	1.31E-01	2.65E-04	--
4029	642861.0	4166723.7	Worker	Scenario 1	1.34E-01	2.71E-04	--
4030	642911.0	4166723.7	Worker	Scenario 1	1.42E-01	2.86E-04	--
4031	642961.0	4166723.7	Worker	Scenario 1	1.43E-01	2.89E-04	--
4032	643011.0	4166723.7	Worker	Scenario 1	1.52E-01	3.08E-04	--
4033	643061.0	4166723.7	Worker	Scenario 1	1.59E-01	3.21E-04	--
4034	643111.0	4166723.7	Worker	Scenario 1	1.68E-01	3.40E-04	--
4035	643161.0	4166723.7	Worker	Scenario 1	1.79E-01	3.62E-04	--
4036	643211.0	4166723.7	Worker	Scenario 1	1.92E-01	3.87E-04	--
4037	643261.0	4166723.7	Worker	Scenario 1	2.04E-01	4.12E-04	--
4038	643311.0	4166723.7	Worker	Scenario 1	2.17E-01	4.39E-04	--
4039	643361.0	4166723.7	Worker	Scenario 1	2.30E-01	4.65E-04	--
4040	643411.0	4166723.7	Worker	Scenario 1	2.43E-01	4.90E-04	--
4041	643461.0	4166723.7	Worker	Scenario 1	2.54E-01	5.13E-04	--
4042	643511.0	4166723.7	Worker	Scenario 1	2.64E-01	5.33E-04	--
4043	643561.0	4166723.7	Worker	Scenario 1	2.71E-01	5.48E-04	--
4044	643611.0	4166723.7	Worker	Scenario 1	2.76E-01	5.58E-04	--
4045	643661.0	4166723.7	Worker	Scenario 1	2.78E-01	5.61E-04	--
4046	643711.0	4166723.7	Worker	Scenario 1	2.77E-01	5.59E-04	--
4047	643761.0	4166723.7	Worker	Scenario 1	2.73E-01	5.52E-04	--
4048	643811.0	4166723.7	Worker	Scenario 1	2.69E-01	5.42E-04	--
4049	643861.0	4166723.7	Worker	Scenario 1	2.63E-01	5.31E-04	--
4050	643911.0	4166723.7	Worker	Scenario 1	2.57E-01	5.19E-04	--
4051	643961.0	4166723.7	Worker	Scenario 1	2.52E-01	5.08E-04	--
4052	644011.0	4166723.7	Worker	Scenario 1	2.47E-01	4.99E-04	--
4053	644061.0	4166723.7	Worker	Scenario 1	2.43E-01	4.90E-04	--
4054	644111.0	4166723.7	Worker	Scenario 1	2.39E-01	4.83E-04	--
4055	644161.0	4166723.7	Worker	Scenario 1	2.36E-01	4.77E-04	--
4056	644211.0	4166723.7	Worker	Scenario 1	2.33E-01	4.71E-04	--
4057	644261.0	4166723.7	Worker	Scenario 1	2.31E-01	4.67E-04	--
4058	644311.0	4166723.7	Worker	Scenario 1	2.28E-01	4.61E-04	--
4059	644361.0	4166723.7	Worker	Scenario 1	2.26E-01	4.56E-04	--
4060	644411.0	4166723.7	Worker	Scenario 1	2.23E-01	4.51E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4061	641461.0	4166773.7	Worker	Scenario 1	2.56E-01	5.16E-04	--
4062	641511.0	4166773.7	Worker	Scenario 1	1.87E-01	3.78E-04	--
4063	641561.0	4166773.7	Worker	Scenario 1	1.51E-01	3.06E-04	--
4064	641611.0	4166773.7	Worker	Scenario 1	1.30E-01	2.62E-04	--
4065	641661.0	4166773.7	Worker	Scenario 1	1.15E-01	2.33E-04	--
4066	641711.0	4166773.7	Worker	Scenario 1	1.06E-01	2.13E-04	--
4067	641761.0	4166773.7	Worker	Scenario 1	9.87E-02	1.99E-04	--
4068	641811.0	4166773.7	Worker	Scenario 1	9.39E-02	1.90E-04	--
4069	641861.0	4166773.7	Worker	Scenario 1	9.05E-02	1.83E-04	--
4070	641911.0	4166773.7	Worker	Scenario 1	8.81E-02	1.78E-04	--
4071	641961.0	4166773.7	Worker	Scenario 1	8.67E-02	1.75E-04	--
4072	642011.0	4166773.7	Worker	Scenario 1	8.61E-02	1.74E-04	--
4073	642061.0	4166773.7	Worker	Scenario 1	8.58E-02	1.73E-04	--
4074	642111.0	4166773.7	Worker	Scenario 1	8.63E-02	1.74E-04	--
4075	642161.0	4166773.7	Worker	Scenario 1	8.74E-02	1.77E-04	--
4076	642211.0	4166773.7	Worker	Scenario 1	8.92E-02	1.80E-04	--
4077	642261.0	4166773.7	Worker	Scenario 1	9.19E-02	1.86E-04	--
4078	642311.0	4166773.7	Worker	Scenario 1	9.51E-02	1.92E-04	--
4079	642361.0	4166773.7	Worker	Scenario 1	9.91E-02	2.00E-04	--
4080	642611.0	4166773.7	Worker	Scenario 1	1.26E-01	2.54E-04	--
4081	642661.0	4166773.7	Worker	Scenario 1	1.31E-01	2.65E-04	--
4082	642711.0	4166773.7	Worker	Scenario 1	1.36E-01	2.75E-04	--
4083	642761.0	4166773.7	Worker	Scenario 1	1.42E-01	2.86E-04	--
4084	642811.0	4166773.7	Worker	Scenario 1	1.47E-01	2.97E-04	--
4085	642861.0	4166773.7	Worker	Scenario 1	1.52E-01	3.06E-04	--
4086	642911.0	4166773.7	Worker	Scenario 1	1.55E-01	3.14E-04	--
4087	642961.0	4166773.7	Worker	Scenario 1	1.64E-01	3.32E-04	--
4088	643011.0	4166773.7	Worker	Scenario 1	1.71E-01	3.46E-04	--
4089	643061.0	4166773.7	Worker	Scenario 1	1.80E-01	3.63E-04	--
4090	643111.0	4166773.7	Worker	Scenario 1	1.91E-01	3.85E-04	--
4091	643161.0	4166773.7	Worker	Scenario 1	2.04E-01	4.13E-04	--
4092	643211.0	4166773.7	Worker	Scenario 1	2.19E-01	4.43E-04	--
4093	643261.0	4166773.7	Worker	Scenario 1	2.35E-01	4.74E-04	--
4094	643311.0	4166773.7	Worker	Scenario 1	2.50E-01	5.05E-04	--
4095	643361.0	4166773.7	Worker	Scenario 1	2.66E-01	5.37E-04	--
4096	643411.0	4166773.7	Worker	Scenario 1	2.80E-01	5.66E-04	--
4097	643461.0	4166773.7	Worker	Scenario 1	2.93E-01	5.93E-04	--
4098	643511.0	4166773.7	Worker	Scenario 1	3.03E-01	6.12E-04	--
4099	643561.0	4166773.7	Worker	Scenario 1	3.10E-01	6.26E-04	--
4100	643611.0	4166773.7	Worker	Scenario 1	3.12E-01	6.31E-04	--
4101	643661.0	4166773.7	Worker	Scenario 1	3.12E-01	6.30E-04	--
4102	643711.0	4166773.7	Worker	Scenario 1	3.08E-01	6.23E-04	--
4103	643761.0	4166773.7	Worker	Scenario 1	3.03E-01	6.11E-04	--
4104	643811.0	4166773.7	Worker	Scenario 1	2.96E-01	5.98E-04	--
4105	643861.0	4166773.7	Worker	Scenario 1	2.89E-01	5.83E-04	--
4106	643911.0	4166773.7	Worker	Scenario 1	2.82E-01	5.70E-04	--
4107	643961.0	4166773.7	Worker	Scenario 1	2.76E-01	5.58E-04	--
4108	644011.0	4166773.7	Worker	Scenario 1	2.72E-01	5.49E-04	--
4109	644061.0	4166773.7	Worker	Scenario 1	2.68E-01	5.41E-04	--
4110	644111.0	4166773.7	Worker	Scenario 1	2.65E-01	5.34E-04	--
4111	644161.0	4166773.7	Worker	Scenario 1	2.62E-01	5.28E-04	--
4112	644211.0	4166773.7	Worker	Scenario 1	2.59E-01	5.23E-04	--
4113	644261.0	4166773.7	Worker	Scenario 1	2.56E-01	5.17E-04	--
4114	644311.0	4166773.7	Worker	Scenario 1	2.53E-01	5.11E-04	--
4115	644361.0	4166773.7	Worker	Scenario 1	2.50E-01	5.05E-04	--
4116	644411.0	4166773.7	Worker	Scenario 1	2.47E-01	4.99E-04	--
4117	644461.0	4166773.7	Worker	Scenario 1	2.42E-01	4.89E-04	--
4118	644511.0	4166773.7	Worker	Scenario 1	2.34E-01	4.73E-04	--
4119	641511.0	4166823.7	Worker	Scenario 1	1.92E-01	3.89E-04	--
4120	641561.0	4166823.7	Worker	Scenario 1	1.56E-01	3.16E-04	--
4121	641611.0	4166823.7	Worker	Scenario 1	1.34E-01	2.71E-04	--
4122	641661.0	4166823.7	Worker	Scenario 1	1.20E-01	2.41E-04	--
4123	641711.0	4166823.7	Worker	Scenario 1	1.10E-01	2.21E-04	--
4124	641761.0	4166823.7	Worker	Scenario 1	1.03E-01	2.08E-04	--
4125	641811.0	4166823.7	Worker	Scenario 1	9.80E-02	1.98E-04	--
4126	641861.0	4166823.7	Worker	Scenario 1	9.48E-02	1.91E-04	--
4127	641911.0	4166823.7	Worker	Scenario 1	9.26E-02	1.87E-04	--
4128	641961.0	4166823.7	Worker	Scenario 1	9.14E-02	1.85E-04	--
4129	642011.0	4166823.7	Worker	Scenario 1	9.10E-02	1.84E-04	--
4130	642061.0	4166823.7	Worker	Scenario 1	9.13E-02	1.84E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4131	642111.0	4166823.7	Worker	Scenario 1	9.20E-02	1.86E-04	--
4132	642161.0	4166823.7	Worker	Scenario 1	9.37E-02	1.89E-04	--
4133	642211.0	4166823.7	Worker	Scenario 1	9.61E-02	1.94E-04	--
4134	642261.0	4166823.7	Worker	Scenario 1	9.96E-02	2.01E-04	--
4135	642311.0	4166823.7	Worker	Scenario 1	1.04E-01	2.09E-04	--
4136	644111.0	4166823.7	Worker	Scenario 1	2.96E-01	5.98E-04	--
4137	644161.0	4166823.7	Worker	Scenario 1	2.93E-01	5.91E-04	--
4138	644211.0	4166823.7	Worker	Scenario 1	2.90E-01	5.85E-04	--
4139	644261.0	4166823.7	Worker	Scenario 1	2.87E-01	5.79E-04	--
4140	644311.0	4166823.7	Worker	Scenario 1	2.83E-01	5.72E-04	--
4141	644411.0	4166823.7	Worker	Scenario 1	2.73E-01	5.51E-04	--
4142	644461.0	4166823.7	Worker	Scenario 1	2.70E-01	5.45E-04	--
4143	644511.0	4166823.7	Worker	Scenario 1	2.64E-01	5.33E-04	--
4144	644711.0	4166973.7	Worker	Scenario 1	3.16E-01	6.39E-04	--
4145	644761.0	4166973.7	Worker	Scenario 1	3.06E-01	6.18E-04	--
4146	641161.0	4167023.7	Worker	Scenario 1	7.35E-02	1.49E-04	--
4147	641211.0	4167023.7	Worker	Scenario 1	8.95E-02	1.81E-04	--
4148	641261.0	4167023.7	Worker	Scenario 1	1.17E-01	2.36E-04	--
4149	644711.0	4167023.7	Worker	Scenario 1	3.39E-01	6.85E-04	--
4150	644761.0	4167023.7	Worker	Scenario 1	3.27E-01	6.60E-04	--
4151	644811.0	4167023.7	Worker	Scenario 1	3.15E-01	6.37E-04	--
4152	641161.0	4167073.7	Worker	Scenario 1	7.61E-02	1.54E-04	--
4153	641211.0	4167073.7	Worker	Scenario 1	9.24E-02	1.87E-04	--
4154	641261.0	4167073.7	Worker	Scenario 1	1.21E-01	2.44E-04	--
4155	644711.0	4167073.7	Worker	Scenario 1	3.60E-01	7.27E-04	--
4156	644761.0	4167073.7	Worker	Scenario 1	3.45E-01	6.97E-04	--
4157	644811.0	4167073.7	Worker	Scenario 1	3.32E-01	6.70E-04	--
4158	641161.0	4167123.7	Worker	Scenario 1	7.86E-02	1.59E-04	--
4159	641211.0	4167123.7	Worker	Scenario 1	9.53E-02	1.92E-04	--
4160	641261.0	4167123.7	Worker	Scenario 1	1.24E-01	2.51E-04	--
4161	644711.0	4167123.7	Worker	Scenario 1	3.77E-01	7.61E-04	--
4162	644761.0	4167123.7	Worker	Scenario 1	3.59E-01	7.26E-04	--
4163	644811.0	4167123.7	Worker	Scenario 1	3.43E-01	6.92E-04	--
4164	641161.0	4167173.7	Worker	Scenario 1	8.11E-02	1.64E-04	--
4165	641211.0	4167173.7	Worker	Scenario 1	9.82E-02	1.98E-04	--
4166	641261.0	4167173.7	Worker	Scenario 1	1.28E-01	2.59E-04	--
4167	644711.0	4167173.7	Worker	Scenario 1	3.89E-01	7.85E-04	--
4168	644761.0	4167173.7	Worker	Scenario 1	3.72E-01	7.51E-04	--
4169	644811.0	4167173.7	Worker	Scenario 1	3.56E-01	7.20E-04	--
4170	641161.0	4167223.7	Worker	Scenario 1	8.35E-02	1.69E-04	--
4171	641211.0	4167223.7	Worker	Scenario 1	1.01E-01	2.04E-04	--
4172	641261.0	4167223.7	Worker	Scenario 1	1.32E-01	2.66E-04	--
4173	644711.0	4167223.7	Worker	Scenario 1	4.02E-01	8.12E-04	--
4174	644761.0	4167223.7	Worker	Scenario 1	3.84E-01	7.76E-04	--
4175	644811.0	4167223.7	Worker	Scenario 1	3.68E-01	7.43E-04	--
4176	641161.0	4167273.7	Worker	Scenario 1	8.58E-02	1.73E-04	--
4177	641211.0	4167273.7	Worker	Scenario 1	1.04E-01	2.10E-04	--
4178	641261.0	4167273.7	Worker	Scenario 1	1.36E-01	2.74E-04	--
4179	641161.0	4167323.7	Worker	Scenario 1	8.79E-02	1.78E-04	--
4180	641211.0	4167323.7	Worker	Scenario 1	1.06E-01	2.15E-04	--
4181	641261.0	4167323.7	Worker	Scenario 1	1.39E-01	2.81E-04	--
4182	641161.0	4167373.7	Worker	Scenario 1	8.99E-02	1.82E-04	--
4183	641211.0	4167373.7	Worker	Scenario 1	1.09E-01	2.20E-04	--
4184	641261.0	4167373.7	Worker	Scenario 1	1.42E-01	2.87E-04	--
4185	644511.0	4167373.7	Worker	Scenario 1	5.16E-01	1.04E-03	--
4186	644561.0	4167373.7	Worker	Scenario 1	4.90E-01	9.90E-04	--
4187	644611.0	4167373.7	Worker	Scenario 1	4.66E-01	9.41E-04	--
4188	644661.0	4167373.7	Worker	Scenario 1	4.44E-01	8.97E-04	--
4189	644711.0	4167373.7	Worker	Scenario 1	4.24E-01	8.55E-04	--
4190	644761.0	4167373.7	Worker	Scenario 1	4.05E-01	8.17E-04	--
4191	644811.0	4167373.7	Worker	Scenario 1	3.87E-01	7.81E-04	--
4192	640961.0	4167423.7	Worker	Scenario 1	5.75E-02	1.16E-04	--
4193	641011.0	4167423.7	Worker	Scenario 1	6.30E-02	1.27E-04	--
4194	641061.0	4167423.7	Worker	Scenario 1	7.00E-02	1.41E-04	--
4195	641111.0	4167423.7	Worker	Scenario 1	7.91E-02	1.60E-04	--
4196	641161.0	4167423.7	Worker	Scenario 1	9.18E-02	1.85E-04	--
4197	641211.0	4167423.7	Worker	Scenario 1	1.11E-01	2.24E-04	--
4198	641261.0	4167423.7	Worker	Scenario 1	1.45E-01	2.93E-04	--
4199	644361.0	4167423.7	Worker	Scenario 1	6.11E-01	1.23E-03	--
4200	644411.0	4167423.7	Worker	Scenario 1	5.77E-01	1.17E-03	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4201	644461.0	4167423.7	Worker	Scenario 1	5.46E-01	1.10E-03	--
4202	644511.0	4167423.7	Worker	Scenario 1	5.18E-01	1.05E-03	--
4203	644561.0	4167423.7	Worker	Scenario 1	4.92E-01	9.93E-04	--
4204	644611.0	4167423.7	Worker	Scenario 1	4.67E-01	9.43E-04	--
4205	644661.0	4167423.7	Worker	Scenario 1	4.45E-01	9.00E-04	--
4206	644711.0	4167423.7	Worker	Scenario 1	4.25E-01	8.58E-04	--
4207	644761.0	4167423.7	Worker	Scenario 1	4.06E-01	8.19E-04	--
4208	640761.0	4167473.7	Worker	Scenario 1	4.40E-02	8.89E-05	--
4209	640811.0	4167473.7	Worker	Scenario 1	4.68E-02	9.46E-05	--
4210	640861.0	4167473.7	Worker	Scenario 1	5.01E-02	1.01E-04	--
4211	640911.0	4167473.7	Worker	Scenario 1	5.40E-02	1.09E-04	--
4212	640961.0	4167473.7	Worker	Scenario 1	5.86E-02	1.18E-04	--
4213	641011.0	4167473.7	Worker	Scenario 1	6.43E-02	1.30E-04	--
4214	641061.0	4167473.7	Worker	Scenario 1	7.14E-02	1.44E-04	--
4215	641111.0	4167473.7	Worker	Scenario 1	8.07E-02	1.63E-04	--
4216	643361.0	4167473.7	Worker	Scenario 1	5.42E+00	1.09E-02	--
4217	643411.0	4167473.7	Worker	Scenario 1	4.27E+00	8.63E-03	--
4218	643461.0	4167473.7	Worker	Scenario 1	3.48E+00	7.03E-03	--
4219	643511.0	4167473.7	Worker	Scenario 1	2.90E+00	5.86E-03	--
4220	643561.0	4167473.7	Worker	Scenario 1	2.47E+00	4.98E-03	--
4221	643611.0	4167473.7	Worker	Scenario 1	2.14E+00	4.31E-03	--
4222	643661.0	4167473.7	Worker	Scenario 1	1.87E+00	3.79E-03	--
4223	643711.0	4167473.7	Worker	Scenario 1	1.66E+00	3.36E-03	--
4224	643761.0	4167473.7	Worker	Scenario 1	1.49E+00	3.02E-03	--
4225	643811.0	4167473.7	Worker	Scenario 1	1.35E+00	2.73E-03	--
4226	643861.0	4167473.7	Worker	Scenario 1	1.23E+00	2.49E-03	--
4227	643911.0	4167473.7	Worker	Scenario 1	1.13E+00	2.29E-03	--
4228	643961.0	4167473.7	Worker	Scenario 1	1.04E+00	2.11E-03	--
4229	644211.0	4167473.7	Worker	Scenario 1	7.27E-01	1.47E-03	--
4230	644261.0	4167473.7	Worker	Scenario 1	6.83E-01	1.38E-03	--
4231	644311.0	4167473.7	Worker	Scenario 1	6.42E-01	1.30E-03	--
4232	644361.0	4167473.7	Worker	Scenario 1	6.06E-01	1.22E-03	--
4233	644411.0	4167473.7	Worker	Scenario 1	5.73E-01	1.16E-03	--
4234	644461.0	4167473.7	Worker	Scenario 1	5.42E-01	1.10E-03	--
4235	644511.0	4167473.7	Worker	Scenario 1	5.14E-01	1.04E-03	--
4236	644561.0	4167473.7	Worker	Scenario 1	4.89E-01	9.87E-04	--
4237	644611.0	4167473.7	Worker	Scenario 1	4.64E-01	9.38E-04	--
4238	644661.0	4167473.7	Worker	Scenario 1	4.42E-01	8.94E-04	--
4239	640561.0	4167523.7	Worker	Scenario 1	3.67E-02	7.41E-05	--
4240	640611.0	4167523.7	Worker	Scenario 1	3.81E-02	7.69E-05	--
4241	640661.0	4167523.7	Worker	Scenario 1	4.00E-02	8.08E-05	--
4242	640711.0	4167523.7	Worker	Scenario 1	4.22E-02	8.52E-05	--
4243	640761.0	4167523.7	Worker	Scenario 1	4.48E-02	9.05E-05	--
4244	640811.0	4167523.7	Worker	Scenario 1	4.77E-02	9.64E-05	--
4245	640861.0	4167523.7	Worker	Scenario 1	5.10E-02	1.03E-04	--
4246	640911.0	4167523.7	Worker	Scenario 1	5.50E-02	1.11E-04	--
4247	640961.0	4167523.7	Worker	Scenario 1	5.97E-02	1.21E-04	--
4248	643361.0	4167523.7	Worker	Scenario 1	5.14E+00	1.04E-02	--
4249	643411.0	4167523.7	Worker	Scenario 1	4.07E+00	8.22E-03	--
4250	643461.0	4167523.7	Worker	Scenario 1	3.33E+00	6.73E-03	--
4251	643511.0	4167523.7	Worker	Scenario 1	2.79E+00	5.63E-03	--
4252	643561.0	4167523.7	Worker	Scenario 1	2.38E+00	4.80E-03	--
4253	643611.0	4167523.7	Worker	Scenario 1	2.06E+00	4.17E-03	--
4254	643661.0	4167523.7	Worker	Scenario 1	1.82E+00	3.67E-03	--
4255	643711.0	4167523.7	Worker	Scenario 1	1.62E+00	3.26E-03	--
4256	643761.0	4167523.7	Worker	Scenario 1	1.45E+00	2.93E-03	--
4257	643811.0	4167523.7	Worker	Scenario 1	1.32E+00	2.66E-03	--
4258	643861.0	4167523.7	Worker	Scenario 1	1.20E+00	2.43E-03	--
4259	643911.0	4167523.7	Worker	Scenario 1	1.10E+00	2.23E-03	--
4260	643961.0	4167523.7	Worker	Scenario 1	1.02E+00	2.05E-03	--
4261	644011.0	4167523.7	Worker	Scenario 1	9.41E-01	1.90E-03	--
4262	644061.0	4167523.7	Worker	Scenario 1	8.73E-01	1.76E-03	--
4263	644111.0	4167523.7	Worker	Scenario 1	8.12E-01	1.64E-03	--
4264	644161.0	4167523.7	Worker	Scenario 1	7.59E-01	1.53E-03	--
4265	644211.0	4167523.7	Worker	Scenario 1	7.11E-01	1.44E-03	--
4266	644261.0	4167523.7	Worker	Scenario 1	6.68E-01	1.35E-03	--
4267	644311.0	4167523.7	Worker	Scenario 1	6.29E-01	1.27E-03	--
4268	644361.0	4167523.7	Worker	Scenario 1	5.95E-01	1.20E-03	--
4269	644411.0	4167523.7	Worker	Scenario 1	5.62E-01	1.14E-03	--
4270	644461.0	4167523.7	Worker	Scenario 1	5.33E-01	1.08E-03	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4271	644511.0	4167523.7	Worker	Scenario 1	5.06E-01	1.02E-03	--
4272	640361.0	4167573.7	Worker	Scenario 1	3.10E-02	6.25E-05	--
4273	640411.0	4167573.7	Worker	Scenario 1	3.21E-02	6.48E-05	--
4274	640461.0	4167573.7	Worker	Scenario 1	3.36E-02	6.78E-05	--
4275	640511.0	4167573.7	Worker	Scenario 1	3.55E-02	7.17E-05	--
4276	640561.0	4167573.7	Worker	Scenario 1	3.70E-02	7.47E-05	--
4277	640611.0	4167573.7	Worker	Scenario 1	3.87E-02	7.81E-05	--
4278	640661.0	4167573.7	Worker	Scenario 1	4.06E-02	8.21E-05	--
4279	640711.0	4167573.7	Worker	Scenario 1	4.30E-02	8.68E-05	--
4280	640761.0	4167573.7	Worker	Scenario 1	4.56E-02	9.20E-05	--
4281	640811.0	4167573.7	Worker	Scenario 1	4.86E-02	9.81E-05	--
4282	643311.0	4167573.7	Worker	Scenario 1	4.37E+00	8.83E-03	--
4283	643361.0	4167573.7	Worker	Scenario 1	3.72E+00	7.50E-03	--
4284	643411.0	4167573.7	Worker	Scenario 1	3.17E+00	6.40E-03	--
4285	643461.0	4167573.7	Worker	Scenario 1	2.73E+00	5.51E-03	--
4286	643511.0	4167573.7	Worker	Scenario 1	2.37E+00	4.78E-03	--
4287	643561.0	4167573.7	Worker	Scenario 1	2.07E+00	4.19E-03	--
4288	643611.0	4167573.7	Worker	Scenario 1	1.84E+00	3.71E-03	--
4289	643661.0	4167573.7	Worker	Scenario 1	1.64E+00	3.32E-03	--
4290	643711.0	4167573.7	Worker	Scenario 1	1.48E+00	2.99E-03	--
4291	643761.0	4167573.7	Worker	Scenario 1	1.34E+00	2.71E-03	--
4292	643811.0	4167573.7	Worker	Scenario 1	1.23E+00	2.48E-03	--
4293	643861.0	4167573.7	Worker	Scenario 1	1.13E+00	2.27E-03	--
4294	643911.0	4167573.7	Worker	Scenario 1	1.04E+00	2.10E-03	--
4295	643961.0	4167573.7	Worker	Scenario 1	9.62E-01	1.94E-03	--
4296	644011.0	4167573.7	Worker	Scenario 1	8.95E-01	1.81E-03	--
4297	644061.0	4167573.7	Worker	Scenario 1	8.33E-01	1.68E-03	--
4298	644111.0	4167573.7	Worker	Scenario 1	7.77E-01	1.57E-03	--
4299	644161.0	4167573.7	Worker	Scenario 1	7.28E-01	1.47E-03	--
4300	644211.0	4167573.7	Worker	Scenario 1	6.84E-01	1.38E-03	--
4301	644261.0	4167573.7	Worker	Scenario 1	6.44E-01	1.30E-03	--
4302	644311.0	4167573.7	Worker	Scenario 1	6.09E-01	1.23E-03	--
4303	644361.0	4167573.7	Worker	Scenario 1	5.76E-01	1.16E-03	--
4304	640261.0	4167623.7	Worker	Scenario 1	2.87E-02	5.79E-05	--
4305	640311.0	4167623.7	Worker	Scenario 1	3.00E-02	6.05E-05	--
4306	640361.0	4167623.7	Worker	Scenario 1	3.15E-02	6.37E-05	--
4307	640411.0	4167623.7	Worker	Scenario 1	3.27E-02	6.61E-05	--
4308	640461.0	4167623.7	Worker	Scenario 1	3.41E-02	6.90E-05	--
4309	640511.0	4167623.7	Worker	Scenario 1	3.58E-02	7.23E-05	--
4310	640561.0	4167623.7	Worker	Scenario 1	3.75E-02	7.57E-05	--
4311	640611.0	4167623.7	Worker	Scenario 1	3.93E-02	7.93E-05	--
4312	640661.0	4167623.7	Worker	Scenario 1	4.13E-02	8.34E-05	--
4313	643261.0	4167623.7	Worker	Scenario 1	2.02E+00	4.07E-03	--
4314	643311.0	4167623.7	Worker	Scenario 1	2.20E+00	4.45E-03	--
4315	643361.0	4167623.7	Worker	Scenario 1	2.20E+00	4.45E-03	--
4316	643411.0	4167623.7	Worker	Scenario 1	2.11E+00	4.25E-03	--
4317	644011.0	4167623.7	Worker	Scenario 1	8.29E-01	1.67E-03	--
4318	644061.0	4167623.7	Worker	Scenario 1	7.77E-01	1.57E-03	--
4319	644111.0	4167623.7	Worker	Scenario 1	7.29E-01	1.47E-03	--
4320	644161.0	4167623.7	Worker	Scenario 1	6.86E-01	1.38E-03	--
4321	644211.0	4167623.7	Worker	Scenario 1	6.47E-01	1.31E-03	--
4322	640211.0	4167673.7	Worker	Scenario 1	2.79E-02	5.64E-05	--
4323	640261.0	4167673.7	Worker	Scenario 1	2.91E-02	5.88E-05	--
4324	640311.0	4167673.7	Worker	Scenario 1	3.01E-02	6.09E-05	--
4325	640361.0	4167673.7	Worker	Scenario 1	3.18E-02	6.42E-05	--
4326	640411.0	4167673.7	Worker	Scenario 1	3.32E-02	6.70E-05	--
4327	640461.0	4167673.7	Worker	Scenario 1	3.45E-02	6.98E-05	--
4328	640511.0	4167673.7	Worker	Scenario 1	3.61E-02	7.30E-05	--
4329	643211.0	4167673.7	Worker	Scenario 1	8.73E-01	1.76E-03	--
4330	643261.0	4167673.7	Worker	Scenario 1	9.68E-01	1.96E-03	--
4331	643311.0	4167673.7	Worker	Scenario 1	1.12E+00	2.26E-03	--
4332	643361.0	4167673.7	Worker	Scenario 1	1.24E+00	2.50E-03	--
4333	640111.0	4167723.7	Worker	Scenario 1	2.63E-02	5.31E-05	--
4334	640161.0	4167723.7	Worker	Scenario 1	2.73E-02	5.52E-05	--
4335	640211.0	4167723.7	Worker	Scenario 1	2.84E-02	5.75E-05	--
4336	640261.0	4167723.7	Worker	Scenario 1	2.97E-02	6.00E-05	--
4337	640311.0	4167723.7	Worker	Scenario 1	3.10E-02	6.26E-05	--
4338	640361.0	4167723.7	Worker	Scenario 1	3.20E-02	6.47E-05	--
4339	643161.0	4167723.7	Worker	Scenario 1	7.69E-01	1.55E-03	--
4340	643211.0	4167723.7	Worker	Scenario 1	6.73E-01	1.36E-03	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4341	643261.0	4167723.7	Worker	Scenario 1	6.51E-01	1.32E-03	--
4342	643311.0	4167723.7	Worker	Scenario 1	6.90E-01	1.39E-03	--
4343	640011.0	4167773.7	Worker	Scenario 1	2.47E-02	4.99E-05	--
4344	640061.0	4167773.7	Worker	Scenario 1	2.57E-02	5.18E-05	--
4345	640111.0	4167773.7	Worker	Scenario 1	2.67E-02	5.40E-05	--
4346	640161.0	4167773.7	Worker	Scenario 1	2.78E-02	5.62E-05	--
4347	640211.0	4167773.7	Worker	Scenario 1	2.90E-02	5.86E-05	--
4348	640261.0	4167773.7	Worker	Scenario 1	3.03E-02	6.12E-05	--
4349	643161.0	4167773.7	Worker	Scenario 1	6.63E-01	1.34E-03	--
4350	643211.0	4167773.7	Worker	Scenario 1	5.75E-01	1.16E-03	--
4351	643261.0	4167773.7	Worker	Scenario 1	5.32E-01	1.07E-03	--
4352	639961.0	4167823.7	Worker	Scenario 1	2.42E-02	4.89E-05	--
4353	640011.0	4167823.7	Worker	Scenario 1	2.51E-02	5.07E-05	--
4354	640061.0	4167823.7	Worker	Scenario 1	2.61E-02	5.27E-05	--
4355	640111.0	4167823.7	Worker	Scenario 1	2.72E-02	5.50E-05	--
4356	640161.0	4167823.7	Worker	Scenario 1	2.83E-02	5.73E-05	--
4357	643111.0	4167823.7	Worker	Scenario 1	6.87E-01	1.39E-03	--
4358	643161.0	4167823.7	Worker	Scenario 1	5.84E-01	1.18E-03	--
4359	643211.0	4167823.7	Worker	Scenario 1	5.10E-01	1.03E-03	--
4360	643261.0	4167823.7	Worker	Scenario 1	4.67E-01	9.44E-04	--
4361	639861.0	4167873.7	Worker	Scenario 1	2.30E-02	4.65E-05	--
4362	639911.0	4167873.7	Worker	Scenario 1	2.38E-02	4.81E-05	--
4363	639961.0	4167873.7	Worker	Scenario 1	2.47E-02	5.00E-05	--
4364	640011.0	4167873.7	Worker	Scenario 1	2.56E-02	5.17E-05	--
4365	640061.0	4167873.7	Worker	Scenario 1	2.66E-02	5.38E-05	--
4366	643061.0	4167873.7	Worker	Scenario 1	6.70E-01	1.35E-03	--
4367	643111.0	4167873.7	Worker	Scenario 1	5.98E-01	1.21E-03	--
4368	643161.0	4167873.7	Worker	Scenario 1	5.23E-01	1.06E-03	--
4369	643211.0	4167873.7	Worker	Scenario 1	4.63E-01	9.34E-04	--
4370	639811.0	4167923.7	Worker	Scenario 1	2.27E-02	4.58E-05	--
4371	639861.0	4167923.7	Worker	Scenario 1	2.34E-02	4.73E-05	--
4372	639911.0	4167923.7	Worker	Scenario 1	2.43E-02	4.91E-05	--
4373	639961.0	4167923.7	Worker	Scenario 1	2.52E-02	5.09E-05	--
4374	640011.0	4167923.7	Worker	Scenario 1	2.61E-02	5.27E-05	--
4375	643011.0	4167923.7	Worker	Scenario 1	6.28E-01	1.27E-03	--
4376	643061.0	4167923.7	Worker	Scenario 1	5.81E-01	1.17E-03	--
4377	643111.0	4167923.7	Worker	Scenario 1	5.29E-01	1.07E-03	--
4378	643161.0	4167923.7	Worker	Scenario 1	4.73E-01	9.56E-04	--
4379	639711.0	4167973.7	Worker	Scenario 1	2.17E-02	4.39E-05	--
4380	639761.0	4167973.7	Worker	Scenario 1	2.26E-02	4.57E-05	--
4381	639811.0	4167973.7	Worker	Scenario 1	2.30E-02	4.65E-05	--
4382	639861.0	4167973.7	Worker	Scenario 1	2.38E-02	4.81E-05	--
4383	639911.0	4167973.7	Worker	Scenario 1	2.47E-02	4.99E-05	--
4384	642911.0	4167973.7	Worker	Scenario 1	6.11E-01	1.23E-03	--
4385	642961.0	4167973.7	Worker	Scenario 1	5.81E-01	1.17E-03	--
4386	643011.0	4167973.7	Worker	Scenario 1	5.47E-01	1.10E-03	--
4387	643061.0	4167973.7	Worker	Scenario 1	5.11E-01	1.03E-03	--
4388	643111.0	4167973.7	Worker	Scenario 1	4.72E-01	9.53E-04	--
4389	639661.0	4168023.7	Worker	Scenario 1	2.13E-02	4.30E-05	--
4390	639711.0	4168023.7	Worker	Scenario 1	2.21E-02	4.47E-05	--
4391	639761.0	4168023.7	Worker	Scenario 1	2.28E-02	4.60E-05	--
4392	639811.0	4168023.7	Worker	Scenario 1	2.35E-02	4.75E-05	--
4393	642861.0	4168023.7	Worker	Scenario 1	5.52E-01	1.11E-03	--
4394	642911.0	4168023.7	Worker	Scenario 1	5.34E-01	1.08E-03	--
4395	642961.0	4168023.7	Worker	Scenario 1	5.09E-01	1.03E-03	--
4396	643011.0	4168023.7	Worker	Scenario 1	4.82E-01	9.74E-04	--
4397	643061.0	4168023.7	Worker	Scenario 1	4.55E-01	9.18E-04	--
4398	639561.0	4168073.7	Worker	Scenario 1	2.03E-02	4.09E-05	--
4399	639611.0	4168073.7	Worker	Scenario 1	2.09E-02	4.23E-05	--
4400	639661.0	4168073.7	Worker	Scenario 1	2.16E-02	4.37E-05	--
4401	639711.0	4168073.7	Worker	Scenario 1	2.23E-02	4.50E-05	--
4402	639761.0	4168073.7	Worker	Scenario 1	2.31E-02	4.66E-05	--
4403	642761.0	4168073.7	Worker	Scenario 1	4.97E-01	1.00E-03	--
4404	642811.0	4168073.7	Worker	Scenario 1	4.96E-01	1.00E-03	--
4405	642861.0	4168073.7	Worker	Scenario 1	4.87E-01	9.84E-04	--
4406	642911.0	4168073.7	Worker	Scenario 1	4.72E-01	9.53E-04	--
4407	642961.0	4168073.7	Worker	Scenario 1	4.52E-01	9.13E-04	--
4408	639561.0	4168123.7	Worker	Scenario 1	2.05E-02	4.14E-05	--
4409	639611.0	4168123.7	Worker	Scenario 1	2.11E-02	4.27E-05	--
4410	639661.0	4168123.7	Worker	Scenario 1	2.18E-02	4.41E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4411	642661.0	4168123.7	Worker	Scenario 1	4.33E-01	8.75E-04	--
4412	642711.0	4168123.7	Worker	Scenario 1	4.41E-01	8.91E-04	--
4413	642761.0	4168123.7	Worker	Scenario 1	4.44E-01	8.97E-04	--
4414	642811.0	4168123.7	Worker	Scenario 1	4.42E-01	8.92E-04	--
4415	642861.0	4168123.7	Worker	Scenario 1	4.34E-01	8.76E-04	--
4416	642911.0	4168123.7	Worker	Scenario 1	4.21E-01	8.51E-04	--
4417	639511.0	4168173.7	Worker	Scenario 1	2.01E-02	4.06E-05	--
4418	639561.0	4168173.7	Worker	Scenario 1	2.07E-02	4.18E-05	--
4419	642611.0	4168173.7	Worker	Scenario 1	3.86E-01	7.80E-04	--
4420	642661.0	4168173.7	Worker	Scenario 1	3.94E-01	7.96E-04	--
4421	642711.0	4168173.7	Worker	Scenario 1	3.99E-01	8.06E-04	--
4422	642761.0	4168173.7	Worker	Scenario 1	4.00E-01	8.08E-04	--
4423	642811.0	4168173.7	Worker	Scenario 1	3.96E-01	8.01E-04	--
4424	639311.0	4168223.7	Worker	Scenario 1	1.81E-02	3.66E-05	--
4425	639361.0	4168223.7	Worker	Scenario 1	1.86E-02	3.76E-05	--
4426	639411.0	4168223.7	Worker	Scenario 1	1.92E-02	3.88E-05	--
4427	639461.0	4168223.7	Worker	Scenario 1	1.97E-02	3.99E-05	--
4428	639511.0	4168223.7	Worker	Scenario 1	2.03E-02	4.10E-05	--
4429	642511.0	4168223.7	Worker	Scenario 1	3.39E-01	6.84E-04	--
4430	642561.0	4168223.7	Worker	Scenario 1	3.48E-01	7.02E-04	--
4431	642611.0	4168223.7	Worker	Scenario 1	3.55E-01	7.17E-04	--
4432	642661.0	4168223.7	Worker	Scenario 1	3.60E-01	7.28E-04	--
4433	642711.0	4168223.7	Worker	Scenario 1	3.63E-01	7.33E-04	--
4434	642761.0	4168223.7	Worker	Scenario 1	3.62E-01	7.32E-04	--
4435	639261.0	4168273.7	Worker	Scenario 1	1.79E-02	3.61E-05	--
4436	639311.0	4168273.7	Worker	Scenario 1	1.83E-02	3.71E-05	--
4437	639361.0	4168273.7	Worker	Scenario 1	1.88E-02	3.81E-05	--
4438	639411.0	4168273.7	Worker	Scenario 1	1.94E-02	3.92E-05	--
4439	642461.0	4168273.7	Worker	Scenario 1	3.08E-01	6.22E-04	--
4440	642511.0	4168273.7	Worker	Scenario 1	3.16E-01	6.38E-04	--
4441	642561.0	4168273.7	Worker	Scenario 1	3.23E-01	6.52E-04	--
4442	642611.0	4168273.7	Worker	Scenario 1	3.28E-01	6.62E-04	--
4443	642661.0	4168273.7	Worker	Scenario 1	3.31E-01	6.69E-04	--
4444	639211.0	4168323.7	Worker	Scenario 1	1.77E-02	3.57E-05	--
4445	639261.0	4168323.7	Worker	Scenario 1	1.81E-02	3.65E-05	--
4446	639311.0	4168323.7	Worker	Scenario 1	1.86E-02	3.76E-05	--
4447	639361.0	4168323.7	Worker	Scenario 1	1.91E-02	3.86E-05	--
4448	642461.0	4168323.7	Worker	Scenario 1	2.89E-01	5.84E-04	--
4449	642511.0	4168323.7	Worker	Scenario 1	2.95E-01	5.96E-04	--
4450	642561.0	4168323.7	Worker	Scenario 1	3.00E-01	6.06E-04	--
4451	642611.0	4168323.7	Worker	Scenario 1	3.04E-01	6.13E-04	--
4452	639111.0	4168373.7	Worker	Scenario 1	1.70E-02	3.44E-05	--
4453	639161.0	4168373.7	Worker	Scenario 1	1.75E-02	3.53E-05	--
4454	639211.0	4168373.7	Worker	Scenario 1	1.79E-02	3.61E-05	--
4455	639261.0	4168373.7	Worker	Scenario 1	1.83E-02	3.71E-05	--
4456	642361.0	4168373.7	Worker	Scenario 1	2.60E-01	5.26E-04	--
4457	642411.0	4168373.7	Worker	Scenario 1	2.66E-01	5.38E-04	--
4458	642461.0	4168373.7	Worker	Scenario 1	2.72E-01	5.49E-04	--
4459	642511.0	4168373.7	Worker	Scenario 1	2.76E-01	5.58E-04	--
4460	642561.0	4168373.7	Worker	Scenario 1	2.80E-01	5.65E-04	--
4461	639061.0	4168423.7	Worker	Scenario 1	1.68E-02	3.40E-05	--
4462	639111.0	4168423.7	Worker	Scenario 1	1.72E-02	3.48E-05	--
4463	639161.0	4168423.7	Worker	Scenario 1	1.77E-02	3.58E-05	--
4464	642261.0	4168423.7	Worker	Scenario 1	2.36E-01	4.76E-04	--
4465	642311.0	4168423.7	Worker	Scenario 1	2.42E-01	4.88E-04	--
4466	642361.0	4168423.7	Worker	Scenario 1	2.47E-01	4.99E-04	--
4467	642411.0	4168423.7	Worker	Scenario 1	2.52E-01	5.08E-04	--
4468	642461.0	4168423.7	Worker	Scenario 1	2.56E-01	5.17E-04	--
4469	642511.0	4168423.7	Worker	Scenario 1	2.59E-01	5.24E-04	--
4470	639011.0	4168473.7	Worker	Scenario 1	1.67E-02	3.36E-05	--
4471	639061.0	4168473.7	Worker	Scenario 1	1.71E-02	3.45E-05	--
4472	639111.0	4168473.7	Worker	Scenario 1	1.75E-02	3.53E-05	--
4473	642161.0	4168473.7	Worker	Scenario 1	2.15E-01	4.35E-04	--
4474	642211.0	4168473.7	Worker	Scenario 1	2.20E-01	4.45E-04	--
4475	642261.0	4168473.7	Worker	Scenario 1	2.26E-01	4.56E-04	--
4476	642311.0	4168473.7	Worker	Scenario 1	2.30E-01	4.65E-04	--
4477	642361.0	4168473.7	Worker	Scenario 1	2.35E-01	4.74E-04	--
4478	642411.0	4168473.7	Worker	Scenario 1	2.38E-01	4.82E-04	--
4479	642461.0	4168473.7	Worker	Scenario 1	2.41E-01	4.88E-04	--
4480	638911.0	4168523.7	Worker	Scenario 1	1.61E-02	3.25E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4481	638961.0	4168523.7	Worker	Scenario 1	1.65E-02	3.33E-05	--
4482	639011.0	4168523.7	Worker	Scenario 1	1.69E-02	3.42E-05	--
4483	642061.0	4168523.7	Worker	Scenario 1	1.99E-01	4.02E-04	--
4484	642111.0	4168523.7	Worker	Scenario 1	2.03E-01	4.11E-04	--
4485	642161.0	4168523.7	Worker	Scenario 1	2.08E-01	4.19E-04	--
4486	642211.0	4168523.7	Worker	Scenario 1	2.12E-01	4.28E-04	--
4487	642261.0	4168523.7	Worker	Scenario 1	2.16E-01	4.36E-04	--
4488	642311.0	4168523.7	Worker	Scenario 1	2.20E-01	4.44E-04	--
4489	642361.0	4168523.7	Worker	Scenario 1	2.23E-01	4.51E-04	--
4490	638861.0	4168573.7	Worker	Scenario 1	1.59E-02	3.21E-05	--
4491	638911.0	4168573.7	Worker	Scenario 1	1.63E-02	3.29E-05	--
4492	638961.0	4168573.7	Worker	Scenario 1	1.68E-02	3.38E-05	--
4493	641911.0	4168573.7	Worker	Scenario 1	1.85E-01	3.74E-04	--
4494	641961.0	4168573.7	Worker	Scenario 1	1.87E-01	3.78E-04	--
4495	642011.0	4168573.7	Worker	Scenario 1	1.90E-01	3.83E-04	--
4496	642061.0	4168573.7	Worker	Scenario 1	1.93E-01	3.90E-04	--
4497	642111.0	4168573.7	Worker	Scenario 1	1.97E-01	3.97E-04	--
4498	642161.0	4168573.7	Worker	Scenario 1	2.00E-01	4.04E-04	--
4499	642211.0	4168573.7	Worker	Scenario 1	2.03E-01	4.11E-04	--
4500	642261.0	4168573.7	Worker	Scenario 1	2.07E-01	4.17E-04	--
4501	638811.0	4168623.7	Worker	Scenario 1	1.58E-02	3.19E-05	--
4502	638861.0	4168623.7	Worker	Scenario 1	1.61E-02	3.25E-05	--
4503	641811.0	4168623.7	Worker	Scenario 1	1.80E-01	3.64E-04	--
4504	641861.0	4168623.7	Worker	Scenario 1	1.80E-01	3.64E-04	--
4505	641911.0	4168623.7	Worker	Scenario 1	1.81E-01	3.65E-04	--
4506	641961.0	4168623.7	Worker	Scenario 1	1.82E-01	3.68E-04	--
4507	642011.0	4168623.7	Worker	Scenario 1	1.85E-01	3.73E-04	--
4508	642061.0	4168623.7	Worker	Scenario 1	1.87E-01	3.78E-04	--
4509	642111.0	4168623.7	Worker	Scenario 1	1.90E-01	3.84E-04	--
4510	638711.0	4168673.7	Worker	Scenario 1	1.54E-02	3.12E-05	--
4511	638761.0	4168673.7	Worker	Scenario 1	1.57E-02	3.18E-05	--
4512	638811.0	4168673.7	Worker	Scenario 1	1.61E-02	3.24E-05	--
4513	641661.0	4168673.7	Worker	Scenario 1	1.87E-01	3.78E-04	--
4514	641711.0	4168673.7	Worker	Scenario 1	1.82E-01	3.67E-04	--
4515	641761.0	4168673.7	Worker	Scenario 1	1.78E-01	3.60E-04	--
4516	641811.0	4168673.7	Worker	Scenario 1	1.77E-01	3.57E-04	--
4517	641861.0	4168673.7	Worker	Scenario 1	1.76E-01	3.56E-04	--
4518	641911.0	4168673.7	Worker	Scenario 1	1.77E-01	3.57E-04	--
4519	641961.0	4168673.7	Worker	Scenario 1	1.78E-01	3.59E-04	--
4520	642011.0	4168673.7	Worker	Scenario 1	1.80E-01	3.63E-04	--
4521	638661.0	4168723.7	Worker	Scenario 1	1.54E-02	3.11E-05	--
4522	638711.0	4168723.7	Worker	Scenario 1	1.57E-02	3.17E-05	--
4523	641511.0	4168723.7	Worker	Scenario 1	2.32E-01	4.69E-04	--
4524	641561.0	4168723.7	Worker	Scenario 1	2.08E-01	4.21E-04	--
4525	641611.0	4168723.7	Worker	Scenario 1	1.94E-01	3.91E-04	--
4526	641661.0	4168723.7	Worker	Scenario 1	1.85E-01	3.73E-04	--
4527	641711.0	4168723.7	Worker	Scenario 1	1.79E-01	3.62E-04	--
4528	641761.0	4168723.7	Worker	Scenario 1	1.76E-01	3.55E-04	--
4529	641811.0	4168723.7	Worker	Scenario 1	1.74E-01	3.51E-04	--
4530	641861.0	4168723.7	Worker	Scenario 1	1.73E-01	3.49E-04	--
4531	641911.0	4168723.7	Worker	Scenario 1	1.73E-01	3.49E-04	--
4532	638561.0	4168773.7	Worker	Scenario 1	1.50E-02	3.04E-05	--
4533	638611.0	4168773.7	Worker	Scenario 1	1.53E-02	3.09E-05	--
4534	638661.0	4168773.7	Worker	Scenario 1	1.56E-02	3.16E-05	--
4535	641461.0	4168773.7	Worker	Scenario 1	2.72E-01	5.50E-04	--
4536	641511.0	4168773.7	Worker	Scenario 1	2.30E-01	4.64E-04	--
4537	641561.0	4168773.7	Worker	Scenario 1	2.06E-01	4.16E-04	--
4538	641611.0	4168773.7	Worker	Scenario 1	1.91E-01	3.87E-04	--
4539	641661.0	4168773.7	Worker	Scenario 1	1.82E-01	3.68E-04	--
4540	641711.0	4168773.7	Worker	Scenario 1	1.76E-01	3.56E-04	--
4541	641761.0	4168773.7	Worker	Scenario 1	1.73E-01	3.49E-04	--
4542	638511.0	4168823.7	Worker	Scenario 1	1.49E-02	3.02E-05	--
4543	638561.0	4168823.7	Worker	Scenario 1	1.52E-02	3.07E-05	--
4544	641461.0	4168823.7	Worker	Scenario 1	2.70E-01	5.44E-04	--
4545	641511.0	4168823.7	Worker	Scenario 1	2.27E-01	4.59E-04	--
4546	641561.0	4168823.7	Worker	Scenario 1	2.04E-01	4.11E-04	--
4547	641611.0	4168823.7	Worker	Scenario 1	1.89E-01	3.82E-04	--
4548	638461.0	4168873.7	Worker	Scenario 1	1.45E-02	2.93E-05	--
4549	638511.0	4168873.7	Worker	Scenario 1	1.50E-02	3.02E-05	--
4550	640211.0	4168873.7	Worker	Scenario 1	4.23E-02	8.53E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4551	641461.0	4168873.7	Worker	Scenario 1	2.67E-01	5.39E-04	--
4552	641511.0	4168873.7	Worker	Scenario 1	2.25E-01	4.55E-04	--
4553	641561.0	4168873.7	Worker	Scenario 1	2.01E-01	4.07E-04	--
4554	638361.0	4168923.7	Worker	Scenario 1	1.39E-02	2.80E-05	--
4555	638411.0	4168923.7	Worker	Scenario 1	1.42E-02	2.88E-05	--
4556	638461.0	4168923.7	Worker	Scenario 1	1.47E-02	2.96E-05	--
4557	640111.0	4168923.7	Worker	Scenario 1	3.98E-02	8.04E-05	--
4558	640161.0	4168923.7	Worker	Scenario 1	4.13E-02	8.34E-05	--
4559	640211.0	4168923.7	Worker	Scenario 1	4.28E-02	8.65E-05	--
4560	640261.0	4168923.7	Worker	Scenario 1	4.44E-02	8.98E-05	--
4561	640311.0	4168923.7	Worker	Scenario 1	4.62E-02	9.33E-05	--
4562	640361.0	4168923.7	Worker	Scenario 1	4.80E-02	9.70E-05	--
4563	641461.0	4168923.7	Worker	Scenario 1	2.65E-01	5.36E-04	--
4564	641511.0	4168923.7	Worker	Scenario 1	2.23E-01	4.51E-04	--
4565	641561.0	4168923.7	Worker	Scenario 1	1.99E-01	4.03E-04	--
4566	638311.0	4168973.7	Worker	Scenario 1	1.37E-02	2.78E-05	--
4567	638361.0	4168973.7	Worker	Scenario 1	1.41E-02	2.85E-05	--
4568	638411.0	4168973.7	Worker	Scenario 1	1.45E-02	2.92E-05	--
4569	640061.0	4168973.7	Worker	Scenario 1	3.88E-02	7.83E-05	--
4570	640111.0	4168973.7	Worker	Scenario 1	4.01E-02	8.10E-05	--
4571	640161.0	4168973.7	Worker	Scenario 1	4.16E-02	8.39E-05	--
4572	640211.0	4168973.7	Worker	Scenario 1	4.31E-02	8.70E-05	--
4573	640261.0	4168973.7	Worker	Scenario 1	4.47E-02	9.03E-05	--
4574	640311.0	4168973.7	Worker	Scenario 1	4.64E-02	9.37E-05	--
4575	640361.0	4168973.7	Worker	Scenario 1	4.82E-02	9.73E-05	--
4576	640411.0	4168973.7	Worker	Scenario 1	5.01E-02	1.01E-04	--
4577	641461.0	4168973.7	Worker	Scenario 1	2.64E-01	5.33E-04	--
4578	641511.0	4168973.7	Worker	Scenario 1	2.22E-01	4.48E-04	--
4579	641561.0	4168973.7	Worker	Scenario 1	1.97E-01	3.99E-04	--
4580	638261.0	4169023.7	Worker	Scenario 1	1.36E-02	2.76E-05	--
4581	638311.0	4169023.7	Worker	Scenario 1	1.40E-02	2.82E-05	--
4582	638361.0	4169023.7	Worker	Scenario 1	1.43E-02	2.90E-05	--
4583	640011.0	4169023.7	Worker	Scenario 1	3.77E-02	7.61E-05	--
4584	640061.0	4169023.7	Worker	Scenario 1	3.90E-02	7.87E-05	--
4585	640111.0	4169023.7	Worker	Scenario 1	4.03E-02	8.15E-05	--
4586	640161.0	4169023.7	Worker	Scenario 1	4.18E-02	8.43E-05	--
4587	640311.0	4169023.7	Worker	Scenario 1	4.66E-02	9.40E-05	--
4588	640361.0	4169023.7	Worker	Scenario 1	4.83E-02	9.76E-05	--
4589	640411.0	4169023.7	Worker	Scenario 1	5.02E-02	1.01E-04	--
4590	641461.0	4169023.7	Worker	Scenario 1	2.62E-01	5.28E-04	--
4591	641511.0	4169023.7	Worker	Scenario 1	2.19E-01	4.42E-04	--
4592	641561.0	4169023.7	Worker	Scenario 1	1.95E-01	3.94E-04	--
4593	638161.0	4169073.7	Worker	Scenario 1	1.32E-02	2.68E-05	--
4594	638211.0	4169073.7	Worker	Scenario 1	1.36E-02	2.74E-05	--
4595	638261.0	4169073.7	Worker	Scenario 1	1.39E-02	2.80E-05	--
4596	639961.0	4169073.7	Worker	Scenario 1	3.67E-02	7.41E-05	--
4597	640011.0	4169073.7	Worker	Scenario 1	3.79E-02	7.66E-05	--
4598	640061.0	4169073.7	Worker	Scenario 1	3.92E-02	7.91E-05	--
4599	640111.0	4169073.7	Worker	Scenario 1	4.05E-02	8.18E-05	--
4600	640311.0	4169073.7	Worker	Scenario 1	4.66E-02	9.42E-05	--
4601	640361.0	4169073.7	Worker	Scenario 1	4.84E-02	9.78E-05	--
4602	640411.0	4169073.7	Worker	Scenario 1	5.02E-02	1.01E-04	--
4603	641461.0	4169073.7	Worker	Scenario 1	2.59E-01	5.23E-04	--
4604	641511.0	4169073.7	Worker	Scenario 1	2.17E-01	4.39E-04	--
4605	641561.0	4169073.7	Worker	Scenario 1	1.93E-01	3.91E-04	--
4606	638161.0	4169123.7	Worker	Scenario 1	1.34E-02	2.70E-05	--
4607	638211.0	4169123.7	Worker	Scenario 1	1.37E-02	2.77E-05	--
4608	639911.0	4169123.7	Worker	Scenario 1	3.57E-02	7.22E-05	--
4609	639961.0	4169123.7	Worker	Scenario 1	3.69E-02	7.45E-05	--
4610	640011.0	4169123.7	Worker	Scenario 1	3.81E-02	7.69E-05	--
4611	640061.0	4169123.7	Worker	Scenario 1	3.93E-02	7.94E-05	--
4612	640311.0	4169123.7	Worker	Scenario 1	4.67E-02	9.43E-05	--
4613	640361.0	4169123.7	Worker	Scenario 1	4.84E-02	9.78E-05	--
4614	640411.0	4169123.7	Worker	Scenario 1	5.02E-02	1.01E-04	--
4615	641461.0	4169123.7	Worker	Scenario 1	2.57E-01	5.20E-04	--
4616	641511.0	4169123.7	Worker	Scenario 1	2.16E-01	4.36E-04	--
4617	641561.0	4169123.7	Worker	Scenario 1	1.91E-01	3.87E-04	--
4618	638061.0	4169173.7	Worker	Scenario 1	1.29E-02	2.60E-05	--
4619	638161.0	4169173.7	Worker	Scenario 1	1.35E-02	2.73E-05	--
4620	639861.0	4169173.7	Worker	Scenario 1	3.48E-02	7.03E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4621	639911.0	4169173.7	Worker	Scenario 1	3.59E-02	7.25E-05	--
4622	639961.0	4169173.7	Worker	Scenario 1	3.70E-02	7.48E-05	--
4623	640011.0	4169173.7	Worker	Scenario 1	3.82E-02	7.72E-05	--
4624	640311.0	4169173.7	Worker	Scenario 1	4.67E-02	9.43E-05	--
4625	640361.0	4169173.7	Worker	Scenario 1	4.84E-02	9.77E-05	--
4626	640411.0	4169173.7	Worker	Scenario 1	5.02E-02	1.01E-04	--
4627	641461.0	4169173.7	Worker	Scenario 1	2.55E-01	5.16E-04	--
4628	641511.0	4169173.7	Worker	Scenario 1	2.14E-01	4.32E-04	--
4629	641561.0	4169173.7	Worker	Scenario 1	1.89E-01	3.82E-04	--
4630	638011.0	4169223.7	Worker	Scenario 1	1.27E-02	2.57E-05	--
4631	638061.0	4169223.7	Worker	Scenario 1	1.30E-02	2.63E-05	--
4632	639661.0	4169223.7	Worker	Scenario 1	3.11E-02	6.28E-05	--
4633	639761.0	4169223.7	Worker	Scenario 1	3.29E-02	6.65E-05	--
4634	639811.0	4169223.7	Worker	Scenario 1	3.39E-02	6.85E-05	--
4635	639861.0	4169223.7	Worker	Scenario 1	3.49E-02	7.06E-05	--
4636	639911.0	4169223.7	Worker	Scenario 1	3.60E-02	7.27E-05	--
4637	639961.0	4169223.7	Worker	Scenario 1	3.71E-02	7.50E-05	--
4638	640311.0	4169223.7	Worker	Scenario 1	4.66E-02	9.42E-05	--
4639	640361.0	4169223.7	Worker	Scenario 1	4.83E-02	9.75E-05	--
4640	640411.0	4169223.7	Worker	Scenario 1	5.01E-02	1.01E-04	--
4641	641461.0	4169223.7	Worker	Scenario 1	2.53E-01	5.11E-04	--
4642	641511.0	4169223.7	Worker	Scenario 1	2.12E-01	4.27E-04	--
4643	641561.0	4169223.7	Worker	Scenario 1	1.87E-01	3.78E-04	--
4644	637961.0	4169273.7	Worker	Scenario 1	1.26E-02	2.55E-05	--
4645	638011.0	4169273.7	Worker	Scenario 1	1.29E-02	2.60E-05	--
4646	638061.0	4169273.7	Worker	Scenario 1	1.32E-02	2.66E-05	--
4647	639611.0	4169273.7	Worker	Scenario 1	3.04E-02	6.15E-05	--
4648	639661.0	4169273.7	Worker	Scenario 1	3.13E-02	6.32E-05	--
4649	639761.0	4169273.7	Worker	Scenario 1	3.31E-02	6.68E-05	--
4650	639811.0	4169273.7	Worker	Scenario 1	3.40E-02	6.87E-05	--
4651	639861.0	4169273.7	Worker	Scenario 1	3.51E-02	7.08E-05	--
4652	639911.0	4169273.7	Worker	Scenario 1	3.61E-02	7.29E-05	--
4653	640311.0	4169273.7	Worker	Scenario 1	4.66E-02	9.40E-05	--
4654	640361.0	4169273.7	Worker	Scenario 1	4.82E-02	9.74E-05	--
4655	640411.0	4169273.7	Worker	Scenario 1	5.00E-02	1.01E-04	--
4656	641461.0	4169273.7	Worker	Scenario 1	2.51E-01	5.07E-04	--
4657	641511.0	4169273.7	Worker	Scenario 1	2.09E-01	4.23E-04	--
4658	641561.0	4169273.7	Worker	Scenario 1	1.85E-01	3.74E-04	--
4659	637911.0	4169323.7	Worker	Scenario 1	1.25E-02	2.53E-05	--
4660	637961.0	4169323.7	Worker	Scenario 1	1.28E-02	2.58E-05	--
4661	638011.0	4169323.7	Worker	Scenario 1	1.30E-02	2.63E-05	--
4662	639611.0	4169323.7	Worker	Scenario 1	3.06E-02	6.18E-05	--
4663	639661.0	4169323.7	Worker	Scenario 1	3.14E-02	6.35E-05	--
4664	639761.0	4169323.7	Worker	Scenario 1	3.32E-02	6.70E-05	--
4665	639811.0	4169323.7	Worker	Scenario 1	3.41E-02	6.89E-05	--
4666	640311.0	4169323.7	Worker	Scenario 1	4.65E-02	9.38E-05	--
4667	640361.0	4169323.7	Worker	Scenario 1	4.81E-02	9.71E-05	--
4668	640411.0	4169323.7	Worker	Scenario 1	4.98E-02	1.01E-04	--
4669	641461.0	4169323.7	Worker	Scenario 1	2.49E-01	5.03E-04	--
4670	641511.0	4169323.7	Worker	Scenario 1	2.07E-01	4.19E-04	--
4671	641561.0	4169323.7	Worker	Scenario 1	1.83E-01	3.69E-04	--
4672	637861.0	4169373.7	Worker	Scenario 1	1.24E-02	2.51E-05	--
4673	637911.0	4169373.7	Worker	Scenario 1	1.27E-02	2.56E-05	--
4674	637961.0	4169373.7	Worker	Scenario 1	1.29E-02	2.61E-05	--
4675	639561.0	4169373.7	Worker	Scenario 1	2.99E-02	6.04E-05	--
4676	639611.0	4169373.7	Worker	Scenario 1	3.07E-02	6.20E-05	--
4677	639661.0	4169373.7	Worker	Scenario 1	3.15E-02	6.37E-05	--
4678	640311.0	4169373.7	Worker	Scenario 1	4.63E-02	9.36E-05	--
4679	640361.0	4169373.7	Worker	Scenario 1	4.79E-02	9.68E-05	--
4680	640411.0	4169373.7	Worker	Scenario 1	4.96E-02	1.00E-04	--
4681	641461.0	4169373.7	Worker	Scenario 1	2.46E-01	4.97E-04	--
4682	641511.0	4169373.7	Worker	Scenario 1	2.05E-01	4.14E-04	--
4683	641561.0	4169373.7	Worker	Scenario 1	1.81E-01	3.65E-04	--
4684	637861.0	4169423.7	Worker	Scenario 1	1.26E-02	2.54E-05	--
4685	637911.0	4169423.7	Worker	Scenario 1	1.28E-02	2.59E-05	--
4686	639511.0	4169423.7	Worker	Scenario 1	2.93E-02	5.91E-05	--
4687	639561.0	4169423.7	Worker	Scenario 1	3.00E-02	6.06E-05	--
4688	639611.0	4169423.7	Worker	Scenario 1	3.08E-02	6.22E-05	--
4689	639661.0	4169423.7	Worker	Scenario 1	3.16E-02	6.39E-05	--
4690	640311.0	4169423.7	Worker	Scenario 1	4.62E-02	9.32E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4691	640361.0	4169423.7	Worker	Scenario 1	4.77E-02	9.64E-05	--
4692	640411.0	4169423.7	Worker	Scenario 1	4.94E-02	9.98E-05	--
4693	640861.0	4169423.7	Worker	Scenario 1	7.27E-02	1.47E-04	--
4694	640911.0	4169423.7	Worker	Scenario 1	7.71E-02	1.56E-04	--
4695	640961.0	4169423.7	Worker	Scenario 1	8.23E-02	1.66E-04	--
4696	641011.0	4169423.7	Worker	Scenario 1	8.86E-02	1.79E-04	--
4697	641061.0	4169423.7	Worker	Scenario 1	9.66E-02	1.95E-04	--
4698	641461.0	4169423.7	Worker	Scenario 1	2.43E-01	4.92E-04	--
4699	641511.0	4169423.7	Worker	Scenario 1	2.03E-01	4.09E-04	--
4700	641561.0	4169423.7	Worker	Scenario 1	1.78E-01	3.60E-04	--
4701	637861.0	4169473.7	Worker	Scenario 1	1.27E-02	2.57E-05	--
4702	639461.0	4169473.7	Worker	Scenario 1	2.86E-02	5.78E-05	--
4703	639511.0	4169473.7	Worker	Scenario 1	2.94E-02	5.93E-05	--
4704	639561.0	4169473.7	Worker	Scenario 1	3.01E-02	6.08E-05	--
4705	639611.0	4169473.7	Worker	Scenario 1	3.09E-02	6.24E-05	--
4706	640311.0	4169473.7	Worker	Scenario 1	4.60E-02	9.29E-05	--
4707	640361.0	4169473.7	Worker	Scenario 1	4.76E-02	9.61E-05	--
4708	640411.0	4169473.7	Worker	Scenario 1	4.92E-02	9.94E-05	--
4709	640811.0	4169473.7	Worker	Scenario 1	6.85E-02	1.38E-04	--
4710	640861.0	4169473.7	Worker	Scenario 1	7.22E-02	1.46E-04	--
4711	640911.0	4169473.7	Worker	Scenario 1	7.66E-02	1.55E-04	--
4712	640961.0	4169473.7	Worker	Scenario 1	8.17E-02	1.65E-04	--
4713	641011.0	4169473.7	Worker	Scenario 1	8.79E-02	1.78E-04	--
4714	641061.0	4169473.7	Worker	Scenario 1	9.59E-02	1.94E-04	--
4715	641111.0	4169473.7	Worker	Scenario 1	1.07E-01	2.15E-04	--
4716	641161.0	4169473.7	Worker	Scenario 1	1.22E-01	2.47E-04	--
4717	641211.0	4169473.7	Worker	Scenario 1	1.49E-01	3.01E-04	--
4718	641361.0	4169473.7	Worker	Scenario 1	5.33E-01	1.08E-03	--
4719	641411.0	4169473.7	Worker	Scenario 1	3.20E-01	6.46E-04	--
4720	641461.0	4169473.7	Worker	Scenario 1	2.40E-01	4.85E-04	--
4721	641511.0	4169473.7	Worker	Scenario 1	2.00E-01	4.04E-04	--
4722	639361.0	4169523.7	Worker	Scenario 1	2.74E-02	5.53E-05	--
4723	639411.0	4169523.7	Worker	Scenario 1	2.80E-02	5.66E-05	--
4724	639461.0	4169523.7	Worker	Scenario 1	2.87E-02	5.80E-05	--
4725	639511.0	4169523.7	Worker	Scenario 1	2.94E-02	5.94E-05	--
4726	639561.0	4169523.7	Worker	Scenario 1	3.02E-02	6.09E-05	--
4727	640311.0	4169523.7	Worker	Scenario 1	4.58E-02	9.24E-05	--
4728	640361.0	4169523.7	Worker	Scenario 1	4.73E-02	9.55E-05	--
4729	640411.0	4169523.7	Worker	Scenario 1	4.89E-02	9.88E-05	--
4730	640461.0	4169523.7	Worker	Scenario 1	5.07E-02	1.02E-04	--
4731	640611.0	4169523.7	Worker	Scenario 1	5.68E-02	1.15E-04	--
4732	640661.0	4169523.7	Worker	Scenario 1	5.92E-02	1.20E-04	--
4733	640711.0	4169523.7	Worker	Scenario 1	6.18E-02	1.25E-04	--
4734	640761.0	4169523.7	Worker	Scenario 1	6.48E-02	1.31E-04	--
4735	640811.0	4169523.7	Worker	Scenario 1	6.80E-02	1.37E-04	--
4736	640861.0	4169523.7	Worker	Scenario 1	7.17E-02	1.45E-04	--
4737	640911.0	4169523.7	Worker	Scenario 1	7.60E-02	1.53E-04	--
4738	640961.0	4169523.7	Worker	Scenario 1	8.10E-02	1.64E-04	--
4739	641011.0	4169523.7	Worker	Scenario 1	8.72E-02	1.76E-04	--
4740	641061.0	4169523.7	Worker	Scenario 1	9.52E-02	1.92E-04	--
4741	641111.0	4169523.7	Worker	Scenario 1	1.06E-01	2.14E-04	--
4742	641161.0	4169523.7	Worker	Scenario 1	1.22E-01	2.46E-04	--
4743	641211.0	4169523.7	Worker	Scenario 1	1.48E-01	3.00E-04	--
4744	641261.0	4169523.7	Worker	Scenario 1	2.07E-01	4.17E-04	--
4745	641361.0	4169523.7	Worker	Scenario 1	5.23E-01	1.06E-03	--
4746	641411.0	4169523.7	Worker	Scenario 1	3.15E-01	6.37E-04	--
4747	641461.0	4169523.7	Worker	Scenario 1	2.37E-01	4.79E-04	--
4748	641511.0	4169523.7	Worker	Scenario 1	1.97E-01	3.98E-04	--
4749	639311.0	4169573.7	Worker	Scenario 1	2.68E-02	5.41E-05	--
4750	639361.0	4169573.7	Worker	Scenario 1	2.74E-02	5.54E-05	--
4751	639411.0	4169573.7	Worker	Scenario 1	2.81E-02	5.67E-05	--
4752	639461.0	4169573.7	Worker	Scenario 1	2.88E-02	5.81E-05	--
4753	639511.0	4169573.7	Worker	Scenario 1	2.95E-02	5.95E-05	--
4754	640361.0	4169573.7	Worker	Scenario 1	4.71E-02	9.51E-05	--
4755	640411.0	4169573.7	Worker	Scenario 1	4.87E-02	9.84E-05	--
4756	640461.0	4169573.7	Worker	Scenario 1	5.04E-02	1.02E-04	--
4757	640511.0	4169573.7	Worker	Scenario 1	5.23E-02	1.06E-04	--
4758	640561.0	4169573.7	Worker	Scenario 1	5.43E-02	1.10E-04	--
4759	640611.0	4169573.7	Worker	Scenario 1	5.65E-02	1.14E-04	--
4760	640661.0	4169573.7	Worker	Scenario 1	5.88E-02	1.19E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4761	640711.0	4169573.7	Worker	Scenario 1	6.14E-02	1.24E-04	--
4762	640761.0	4169573.7	Worker	Scenario 1	6.43E-02	1.30E-04	--
4763	640811.0	4169573.7	Worker	Scenario 1	6.75E-02	1.36E-04	--
4764	640861.0	4169573.7	Worker	Scenario 1	7.11E-02	1.44E-04	--
4765	640911.0	4169573.7	Worker	Scenario 1	7.53E-02	1.52E-04	--
4766	641061.0	4169573.7	Worker	Scenario 1	9.43E-02	1.91E-04	--
4767	641111.0	4169573.7	Worker	Scenario 1	1.05E-01	2.12E-04	--
4768	641161.0	4169573.7	Worker	Scenario 1	1.21E-01	2.44E-04	--
4769	641211.0	4169573.7	Worker	Scenario 1	1.48E-01	2.99E-04	--
4770	641261.0	4169573.7	Worker	Scenario 1	2.07E-01	4.19E-04	--
4771	641361.0	4169573.7	Worker	Scenario 1	5.14E-01	1.04E-03	--
4772	641411.0	4169573.7	Worker	Scenario 1	3.11E-01	6.29E-04	--
4773	641461.0	4169573.7	Worker	Scenario 1	2.33E-01	4.71E-04	--
4774	637961.0	4169623.7	Worker	Scenario 1	1.37E-02	2.78E-05	--
4775	639261.0	4169623.7	Worker	Scenario 1	2.63E-02	5.30E-05	--
4776	639311.0	4169623.7	Worker	Scenario 1	2.69E-02	5.42E-05	--
4777	639361.0	4169623.7	Worker	Scenario 1	2.75E-02	5.55E-05	--
4778	639411.0	4169623.7	Worker	Scenario 1	2.81E-02	5.68E-05	--
4779	639461.0	4169623.7	Worker	Scenario 1	2.88E-02	5.81E-05	--
4780	640361.0	4169623.7	Worker	Scenario 1	4.69E-02	9.46E-05	--
4781	640411.0	4169623.7	Worker	Scenario 1	4.85E-02	9.79E-05	--
4782	640461.0	4169623.7	Worker	Scenario 1	5.02E-02	1.01E-04	--
4783	640511.0	4169623.7	Worker	Scenario 1	5.20E-02	1.05E-04	--
4784	640561.0	4169623.7	Worker	Scenario 1	5.40E-02	1.09E-04	--
4785	640611.0	4169623.7	Worker	Scenario 1	5.61E-02	1.13E-04	--
4786	640661.0	4169623.7	Worker	Scenario 1	5.84E-02	1.18E-04	--
4787	640711.0	4169623.7	Worker	Scenario 1	6.10E-02	1.23E-04	--
4788	640761.0	4169623.7	Worker	Scenario 1	6.38E-02	1.29E-04	--
4789	640811.0	4169623.7	Worker	Scenario 1	6.69E-02	1.35E-04	--
4790	641261.0	4169623.7	Worker	Scenario 1	2.08E-01	4.19E-04	--
4791	637911.0	4169673.7	Worker	Scenario 1	1.36E-02	2.75E-05	--
4792	637961.0	4169673.7	Worker	Scenario 1	1.39E-02	2.81E-05	--
4793	639211.0	4169673.7	Worker	Scenario 1	2.57E-02	5.20E-05	--
4794	639261.0	4169673.7	Worker	Scenario 1	2.63E-02	5.32E-05	--
4795	639311.0	4169673.7	Worker	Scenario 1	2.69E-02	5.43E-05	--
4796	639361.0	4169673.7	Worker	Scenario 1	2.75E-02	5.56E-05	--
4797	640461.0	4169673.7	Worker	Scenario 1	4.99E-02	1.01E-04	--
4798	640511.0	4169673.7	Worker	Scenario 1	5.17E-02	1.04E-04	--
4799	640561.0	4169673.7	Worker	Scenario 1	5.36E-02	1.08E-04	--
4800	640611.0	4169673.7	Worker	Scenario 1	5.57E-02	1.13E-04	--
4801	637861.0	4169723.7	Worker	Scenario 1	1.35E-02	2.73E-05	--
4802	637911.0	4169723.7	Worker	Scenario 1	1.38E-02	2.79E-05	--
4803	637961.0	4169723.7	Worker	Scenario 1	1.41E-02	2.84E-05	--
4804	639161.0	4169723.7	Worker	Scenario 1	2.52E-02	5.10E-05	--
4805	639211.0	4169723.7	Worker	Scenario 1	2.58E-02	5.21E-05	--
4806	639261.0	4169723.7	Worker	Scenario 1	2.64E-02	5.32E-05	--
4807	639311.0	4169723.7	Worker	Scenario 1	2.69E-02	5.44E-05	--
4808	637861.0	4169773.7	Worker	Scenario 1	1.37E-02	2.76E-05	--
4809	637911.0	4169773.7	Worker	Scenario 1	1.40E-02	2.82E-05	--
4810	637961.0	4169773.7	Worker	Scenario 1	1.42E-02	2.87E-05	--
4811	639111.0	4169773.7	Worker	Scenario 1	2.48E-02	5.00E-05	--
4812	639161.0	4169773.7	Worker	Scenario 1	2.53E-02	5.11E-05	--
4813	639211.0	4169773.7	Worker	Scenario 1	2.58E-02	5.22E-05	--
4814	639261.0	4169773.7	Worker	Scenario 1	2.64E-02	5.33E-05	--
4815	637861.0	4169823.7	Worker	Scenario 1	1.38E-02	2.79E-05	--
4816	637911.0	4169823.7	Worker	Scenario 1	1.41E-02	2.85E-05	--
4817	637961.0	4169823.7	Worker	Scenario 1	1.44E-02	2.91E-05	--
4818	639061.0	4169823.7	Worker	Scenario 1	2.43E-02	4.91E-05	--
4819	639111.0	4169823.7	Worker	Scenario 1	2.48E-02	5.01E-05	--
4820	639161.0	4169823.7	Worker	Scenario 1	2.53E-02	5.11E-05	--
4821	639211.0	4169823.7	Worker	Scenario 1	2.58E-02	5.22E-05	--
4822	637861.0	4169873.7	Worker	Scenario 1	1.40E-02	2.83E-05	--
4823	637911.0	4169873.7	Worker	Scenario 1	1.43E-02	2.88E-05	--
4824	637961.0	4169873.7	Worker	Scenario 1	1.46E-02	2.94E-05	--
4825	639011.0	4169873.7	Worker	Scenario 1	2.38E-02	4.82E-05	--
4826	639061.0	4169873.7	Worker	Scenario 1	2.43E-02	4.91E-05	--
4827	639111.0	4169873.7	Worker	Scenario 1	2.48E-02	5.01E-05	--
4828	639161.0	4169873.7	Worker	Scenario 1	2.53E-02	5.12E-05	--
4829	637861.0	4169923.7	Worker	Scenario 1	1.42E-02	2.86E-05	--
4830	637911.0	4169923.7	Worker	Scenario 1	1.44E-02	2.92E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4831	637961.0	4169923.7	Worker	Scenario 1	1.47E-02	2.98E-05	--
4832	638961.0	4169923.7	Worker	Scenario 1	2.34E-02	4.73E-05	--
4833	639011.0	4169923.7	Worker	Scenario 1	2.39E-02	4.82E-05	--
4834	639061.0	4169923.7	Worker	Scenario 1	2.43E-02	4.92E-05	--
4835	639111.0	4169923.7	Worker	Scenario 1	2.48E-02	5.02E-05	--
4836	637861.0	4169973.7	Worker	Scenario 1	1.43E-02	2.89E-05	--
4837	637911.0	4169973.7	Worker	Scenario 1	1.46E-02	2.95E-05	--
4838	637961.0	4169973.7	Worker	Scenario 1	1.49E-02	3.01E-05	--
4839	638911.0	4169973.7	Worker	Scenario 1	2.30E-02	4.65E-05	--
4840	638961.0	4169973.7	Worker	Scenario 1	2.34E-02	4.73E-05	--
4841	639011.0	4169973.7	Worker	Scenario 1	2.39E-02	4.83E-05	--
4842	639061.0	4169973.7	Worker	Scenario 1	2.44E-02	4.92E-05	--
4843	637861.0	4170023.7	Worker	Scenario 1	1.44E-02	2.92E-05	--
4844	637911.0	4170023.7	Worker	Scenario 1	1.47E-02	2.98E-05	--
4845	637961.0	4170023.7	Worker	Scenario 1	1.50E-02	3.04E-05	--
4846	638911.0	4170023.7	Worker	Scenario 1	2.30E-02	4.65E-05	--
4847	638961.0	4170023.7	Worker	Scenario 1	2.35E-02	4.74E-05	--
4848	639011.0	4170023.7	Worker	Scenario 1	2.39E-02	4.83E-05	--
4849	637861.0	4170073.7	Worker	Scenario 1	1.55E-02	3.13E-05	--
4850	637911.0	4170073.7	Worker	Scenario 1	1.57E-02	3.18E-05	--
4851	637961.0	4170073.7	Worker	Scenario 1	1.60E-02	3.24E-05	--
4852	638011.0	4170073.7	Worker	Scenario 1	1.63E-02	3.29E-05	--
4853	638911.0	4170073.7	Worker	Scenario 1	2.30E-02	4.66E-05	--
4854	638961.0	4170073.7	Worker	Scenario 1	2.35E-02	4.74E-05	--
4855	637911.0	4170123.7	Worker	Scenario 1	1.56E-02	3.16E-05	--
4856	637961.0	4170123.7	Worker	Scenario 1	1.60E-02	3.24E-05	--
4857	638011.0	4170123.7	Worker	Scenario 1	1.64E-02	3.32E-05	--
4858	638061.0	4170123.7	Worker	Scenario 1	1.59E-02	3.22E-05	--
4859	638111.0	4170123.7	Worker	Scenario 1	1.62E-02	3.27E-05	--
4860	638161.0	4170123.7	Worker	Scenario 1	1.67E-02	3.37E-05	--
4861	638211.0	4170123.7	Worker	Scenario 1	1.70E-02	3.43E-05	--
4862	638261.0	4170123.7	Worker	Scenario 1	1.74E-02	3.51E-05	--
4863	638311.0	4170123.7	Worker	Scenario 1	1.77E-02	3.58E-05	--
4864	638361.0	4170123.7	Worker	Scenario 1	1.81E-02	3.66E-05	--
4865	638411.0	4170123.7	Worker	Scenario 1	1.85E-02	3.74E-05	--
4866	638461.0	4170123.7	Worker	Scenario 1	1.90E-02	3.84E-05	--
4867	638511.0	4170123.7	Worker	Scenario 1	1.95E-02	3.94E-05	--
4868	638561.0	4170123.7	Worker	Scenario 1	1.99E-02	4.03E-05	--
4869	638611.0	4170123.7	Worker	Scenario 1	2.04E-02	4.12E-05	--
4870	638661.0	4170123.7	Worker	Scenario 1	2.09E-02	4.22E-05	--
4871	638911.0	4170123.7	Worker	Scenario 1	2.31E-02	4.66E-05	--
4872	638961.0	4170123.7	Worker	Scenario 1	2.35E-02	4.74E-05	--
4873	637911.0	4170173.7	Worker	Scenario 1	1.55E-02	3.13E-05	--
4874	637961.0	4170173.7	Worker	Scenario 1	1.59E-02	3.21E-05	--
4875	638011.0	4170173.7	Worker	Scenario 1	1.62E-02	3.27E-05	--
4876	638061.0	4170173.7	Worker	Scenario 1	1.60E-02	3.24E-05	--
4877	638111.0	4170173.7	Worker	Scenario 1	1.63E-02	3.29E-05	--
4878	638161.0	4170173.7	Worker	Scenario 1	1.68E-02	3.39E-05	--
4879	638211.0	4170173.7	Worker	Scenario 1	1.71E-02	3.46E-05	--
4880	638261.0	4170173.7	Worker	Scenario 1	1.75E-02	3.53E-05	--
4881	638311.0	4170173.7	Worker	Scenario 1	1.79E-02	3.61E-05	--
4882	638361.0	4170173.7	Worker	Scenario 1	1.83E-02	3.69E-05	--
4883	638411.0	4170173.7	Worker	Scenario 1	1.87E-02	3.77E-05	--
4884	638461.0	4170173.7	Worker	Scenario 1	1.91E-02	3.86E-05	--
4885	638511.0	4170173.7	Worker	Scenario 1	1.96E-02	3.96E-05	--
4886	638561.0	4170173.7	Worker	Scenario 1	2.01E-02	4.05E-05	--
4887	638611.0	4170173.7	Worker	Scenario 1	2.05E-02	4.15E-05	--
4888	638861.0	4170173.7	Worker	Scenario 1	2.26E-02	4.57E-05	--
4889	638911.0	4170173.7	Worker	Scenario 1	2.30E-02	4.65E-05	--
4890	638961.0	4170173.7	Worker	Scenario 1	2.35E-02	4.74E-05	--
4891	638011.0	4170223.7	Worker	Scenario 1	1.59E-02	3.21E-05	--
4892	638061.0	4170223.7	Worker	Scenario 1	1.61E-02	3.25E-05	--
4893	638111.0	4170223.7	Worker	Scenario 1	1.64E-02	3.31E-05	--
4894	638161.0	4170223.7	Worker	Scenario 1	1.70E-02	3.43E-05	--
4895	638211.0	4170223.7	Worker	Scenario 1	1.73E-02	3.49E-05	--
4896	638261.0	4170223.7	Worker	Scenario 1	1.77E-02	3.57E-05	--
4897	638311.0	4170223.7	Worker	Scenario 1	1.82E-02	3.67E-05	--
4898	638361.0	4170223.7	Worker	Scenario 1	1.86E-02	3.76E-05	--
4899	638411.0	4170223.7	Worker	Scenario 1	1.90E-02	3.83E-05	--
4900	638461.0	4170223.7	Worker	Scenario 1	1.93E-02	3.90E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4901	638511.0	4170223.7	Worker	Scenario 1	1.97E-02	3.99E-05	--
4902	638561.0	4170223.7	Worker	Scenario 1	2.02E-02	4.07E-05	--
4903	638811.0	4170223.7	Worker	Scenario 1	2.22E-02	4.49E-05	--
4904	638861.0	4170223.7	Worker	Scenario 1	2.26E-02	4.57E-05	--
4905	638911.0	4170223.7	Worker	Scenario 1	2.30E-02	4.65E-05	--
4906	638761.0	4170273.7	Worker	Scenario 1	2.19E-02	4.41E-05	--
4907	641536.2	4164448.9	Worker	Scenario 1	5.91E-03	1.19E-05	--
4908	641636.2	4164448.9	Worker	Scenario 1	6.38E-03	1.29E-05	--
4909	641736.2	4164448.9	Worker	Scenario 1	6.35E-03	1.28E-05	--
4910	641836.2	4164448.9	Worker	Scenario 1	6.44E-03	1.30E-05	--
4911	641936.2	4164448.9	Worker	Scenario 1	6.58E-03	1.33E-05	--
4912	642036.2	4164448.9	Worker	Scenario 1	6.73E-03	1.36E-05	--
4913	642136.2	4164448.9	Worker	Scenario 1	6.85E-03	1.38E-05	--
4914	642236.2	4164448.9	Worker	Scenario 1	7.13E-03	1.44E-05	--
4915	642336.2	4164448.9	Worker	Scenario 1	7.37E-03	1.49E-05	--
4916	642436.2	4164448.9	Worker	Scenario 1	7.40E-03	1.49E-05	--
4917	642536.2	4164448.9	Worker	Scenario 1	7.27E-03	1.47E-05	--
4918	642636.2	4164448.9	Worker	Scenario 1	7.42E-03	1.50E-05	--
4919	642736.2	4164448.9	Worker	Scenario 1	7.95E-03	1.61E-05	--
4920	642836.2	4164448.9	Worker	Scenario 1	8.98E-03	1.81E-05	--
4921	642936.2	4164448.9	Worker	Scenario 1	9.17E-03	1.85E-05	--
4922	643036.2	4164448.9	Worker	Scenario 1	9.62E-03	1.94E-05	--
4923	643136.2	4164448.9	Worker	Scenario 1	1.09E-02	2.20E-05	--
4924	643236.2	4164448.9	Worker	Scenario 1	1.21E-02	2.45E-05	--
4925	643336.2	4164448.9	Worker	Scenario 1	1.36E-02	2.74E-05	--
4926	643436.2	4164448.9	Worker	Scenario 1	1.47E-02	2.96E-05	--
4927	643536.2	4164448.9	Worker	Scenario 1	1.55E-02	3.13E-05	--
4928	643636.2	4164448.9	Worker	Scenario 1	1.68E-02	3.39E-05	--
4929	643736.2	4164448.9	Worker	Scenario 1	1.76E-02	3.56E-05	--
4930	643836.2	4164448.9	Worker	Scenario 1	1.86E-02	3.75E-05	--
4931	643936.2	4164448.9	Worker	Scenario 1	1.97E-02	3.98E-05	--
4932	644036.2	4164448.9	Worker	Scenario 1	2.08E-02	4.19E-05	--
4933	644136.2	4164448.9	Worker	Scenario 1	2.15E-02	4.35E-05	--
4934	644336.2	4164448.9	Worker	Scenario 1	2.27E-02	4.58E-05	--
4935	644436.2	4164448.9	Worker	Scenario 1	2.32E-02	4.69E-05	--
4936	644536.2	4164448.9	Worker	Scenario 1	2.32E-02	4.69E-05	--
4937	640936.2	4164548.9	Worker	Scenario 1	5.24E-03	1.06E-05	--
4938	641036.2	4164548.9	Worker	Scenario 1	5.16E-03	1.04E-05	--
4939	641136.2	4164548.9	Worker	Scenario 1	5.30E-03	1.07E-05	--
4940	641236.2	4164548.9	Worker	Scenario 1	5.44E-03	1.10E-05	--
4941	641336.2	4164548.9	Worker	Scenario 1	5.61E-03	1.13E-05	--
4942	641436.2	4164548.9	Worker	Scenario 1	5.68E-03	1.15E-05	--
4943	641536.2	4164548.9	Worker	Scenario 1	5.87E-03	1.19E-05	--
4944	641636.2	4164548.9	Worker	Scenario 1	6.17E-03	1.25E-05	--
4945	641736.2	4164548.9	Worker	Scenario 1	6.64E-03	1.34E-05	--
4946	641836.2	4164548.9	Worker	Scenario 1	7.16E-03	1.45E-05	--
4947	641936.2	4164548.9	Worker	Scenario 1	7.19E-03	1.45E-05	--
4948	642036.2	4164548.9	Worker	Scenario 1	7.02E-03	1.42E-05	--
4949	642136.2	4164548.9	Worker	Scenario 1	7.21E-03	1.46E-05	--
4950	642236.2	4164548.9	Worker	Scenario 1	7.23E-03	1.46E-05	--
4951	642336.2	4164548.9	Worker	Scenario 1	7.47E-03	1.51E-05	--
4952	642436.2	4164548.9	Worker	Scenario 1	8.51E-03	1.72E-05	--
4953	642536.2	4164548.9	Worker	Scenario 1	7.69E-03	1.55E-05	--
4954	642636.2	4164548.9	Worker	Scenario 1	7.78E-03	1.57E-05	--
4955	642736.2	4164548.9	Worker	Scenario 1	7.99E-03	1.61E-05	--
4956	642836.2	4164548.9	Worker	Scenario 1	9.10E-03	1.84E-05	--
4957	642936.2	4164548.9	Worker	Scenario 1	1.03E-02	2.07E-05	--
4958	643036.2	4164548.9	Worker	Scenario 1	1.02E-02	2.06E-05	--
4959	643136.2	4164548.9	Worker	Scenario 1	1.12E-02	2.27E-05	--
4960	643236.2	4164548.9	Worker	Scenario 1	1.27E-02	2.57E-05	--
4961	643336.2	4164548.9	Worker	Scenario 1	1.42E-02	2.87E-05	--
4962	643436.2	4164548.9	Worker	Scenario 1	1.53E-02	3.09E-05	--
4963	643536.2	4164548.9	Worker	Scenario 1	1.66E-02	3.35E-05	--
4964	643636.2	4164548.9	Worker	Scenario 1	1.77E-02	3.57E-05	--
4965	643736.2	4164548.9	Worker	Scenario 1	1.88E-02	3.80E-05	--
4966	643836.2	4164548.9	Worker	Scenario 1	1.96E-02	3.96E-05	--
4967	643936.2	4164548.9	Worker	Scenario 1	2.05E-02	4.14E-05	--
4968	644036.2	4164548.9	Worker	Scenario 1	2.20E-02	4.45E-05	--
4969	644236.2	4164548.9	Worker	Scenario 1	2.23E-02	4.51E-05	--
4970	644336.2	4164548.9	Worker	Scenario 1	2.34E-02	4.72E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4971	644436.2	4164548.9	Worker	Scenario 1	2.40E-02	4.85E-05	--
4972	644536.2	4164548.9	Worker	Scenario 1	2.47E-02	4.99E-05	--
4973	644636.2	4164548.9	Worker	Scenario 1	2.54E-02	5.13E-05	--
4974	644736.2	4164548.9	Worker	Scenario 1	2.61E-02	5.28E-05	--
4975	644836.2	4164548.9	Worker	Scenario 1	2.67E-02	5.40E-05	--
4976	644936.2	4164548.9	Worker	Scenario 1	2.71E-02	5.47E-05	--
4977	645036.2	4164548.9	Worker	Scenario 1	2.82E-02	5.70E-05	--
4978	640536.2	4164648.9	Worker	Scenario 1	4.71E-03	9.52E-06	--
4979	640636.2	4164648.9	Worker	Scenario 1	4.97E-03	1.00E-05	--
4980	640736.2	4164648.9	Worker	Scenario 1	4.96E-03	1.00E-05	--
4981	640836.2	4164648.9	Worker	Scenario 1	5.14E-03	1.04E-05	--
4982	640936.2	4164648.9	Worker	Scenario 1	5.36E-03	1.08E-05	--
4983	641036.2	4164648.9	Worker	Scenario 1	5.30E-03	1.07E-05	--
4984	641136.2	4164648.9	Worker	Scenario 1	5.45E-03	1.10E-05	--
4985	641236.2	4164648.9	Worker	Scenario 1	5.60E-03	1.13E-05	--
4986	641336.2	4164648.9	Worker	Scenario 1	5.89E-03	1.19E-05	--
4987	641436.2	4164648.9	Worker	Scenario 1	5.87E-03	1.19E-05	--
4988	641536.2	4164648.9	Worker	Scenario 1	6.03E-03	1.22E-05	--
4989	641636.2	4164648.9	Worker	Scenario 1	6.25E-03	1.26E-05	--
4990	641736.2	4164648.9	Worker	Scenario 1	6.50E-03	1.31E-05	--
4991	641836.2	4164648.9	Worker	Scenario 1	7.16E-03	1.45E-05	--
4992	641936.2	4164648.9	Worker	Scenario 1	7.94E-03	1.60E-05	--
4993	642036.2	4164648.9	Worker	Scenario 1	7.57E-03	1.53E-05	--
4994	642136.2	4164648.9	Worker	Scenario 1	7.48E-03	1.51E-05	--
4995	642236.2	4164648.9	Worker	Scenario 1	7.58E-03	1.53E-05	--
4996	642336.2	4164648.9	Worker	Scenario 1	7.70E-03	1.56E-05	--
4997	642436.2	4164648.9	Worker	Scenario 1	8.19E-03	1.65E-05	--
4998	642536.2	4164648.9	Worker	Scenario 1	9.06E-03	1.83E-05	--
4999	642636.2	4164648.9	Worker	Scenario 1	8.29E-03	1.68E-05	--
5000	642736.2	4164648.9	Worker	Scenario 1	8.38E-03	1.69E-05	--
5001	642836.2	4164648.9	Worker	Scenario 1	9.19E-03	1.86E-05	--
5002	642936.2	4164648.9	Worker	Scenario 1	1.05E-02	2.13E-05	--
5003	643036.2	4164648.9	Worker	Scenario 1	1.13E-02	2.28E-05	--
5004	643136.2	4164648.9	Worker	Scenario 1	1.17E-02	2.36E-05	--
5005	643236.2	4164648.9	Worker	Scenario 1	1.34E-02	2.72E-05	--
5006	643336.2	4164648.9	Worker	Scenario 1	1.47E-02	2.96E-05	--
5007	643436.2	4164648.9	Worker	Scenario 1	1.62E-02	3.28E-05	--
5008	643536.2	4164648.9	Worker	Scenario 1	1.76E-02	3.56E-05	--
5009	643636.2	4164648.9	Worker	Scenario 1	1.88E-02	3.79E-05	--
5010	643736.2	4164648.9	Worker	Scenario 1	2.00E-02	4.04E-05	--
5011	643836.2	4164648.9	Worker	Scenario 1	2.09E-02	4.22E-05	--
5012	644136.2	4164648.9	Worker	Scenario 1	2.34E-02	4.72E-05	--
5013	644236.2	4164648.9	Worker	Scenario 1	2.40E-02	4.86E-05	--
5014	644336.2	4164648.9	Worker	Scenario 1	2.49E-02	5.03E-05	--
5015	644436.2	4164648.9	Worker	Scenario 1	2.56E-02	5.18E-05	--
5016	644536.2	4164648.9	Worker	Scenario 1	2.63E-02	5.32E-05	--
5017	644736.2	4164648.9	Worker	Scenario 1	2.80E-02	5.65E-05	--
5018	644836.2	4164648.9	Worker	Scenario 1	2.88E-02	5.82E-05	--
5019	644936.2	4164648.9	Worker	Scenario 1	2.95E-02	5.95E-05	--
5020	645036.2	4164648.9	Worker	Scenario 1	3.01E-02	6.07E-05	--
5021	645136.2	4164648.9	Worker	Scenario 1	3.03E-02	6.12E-05	--
5022	645236.2	4164648.9	Worker	Scenario 1	3.10E-02	6.26E-05	--
5023	640336.2	4164748.9	Worker	Scenario 1	5.91E-03	1.19E-05	--
5024	640436.2	4164748.9	Worker	Scenario 1	4.95E-03	9.99E-06	--
5025	640536.2	4164748.9	Worker	Scenario 1	4.84E-03	9.78E-06	--
5026	640636.2	4164748.9	Worker	Scenario 1	5.04E-03	1.02E-05	--
5027	640736.2	4164748.9	Worker	Scenario 1	5.11E-03	1.03E-05	--
5028	640836.2	4164748.9	Worker	Scenario 1	5.26E-03	1.06E-05	--
5029	640936.2	4164748.9	Worker	Scenario 1	5.50E-03	1.11E-05	--
5030	641036.2	4164748.9	Worker	Scenario 1	5.45E-03	1.10E-05	--
5031	641136.2	4164748.9	Worker	Scenario 1	5.60E-03	1.13E-05	--
5032	641236.2	4164748.9	Worker	Scenario 1	5.80E-03	1.17E-05	--
5033	641336.2	4164748.9	Worker	Scenario 1	6.07E-03	1.23E-05	--
5034	641436.2	4164748.9	Worker	Scenario 1	6.07E-03	1.23E-05	--
5035	641536.2	4164748.9	Worker	Scenario 1	6.27E-03	1.27E-05	--
5036	641636.2	4164748.9	Worker	Scenario 1	6.49E-03	1.31E-05	--
5037	641736.2	4164748.9	Worker	Scenario 1	6.71E-03	1.35E-05	--
5038	641836.2	4164748.9	Worker	Scenario 1	7.06E-03	1.43E-05	--
5039	641936.2	4164748.9	Worker	Scenario 1	7.90E-03	1.60E-05	--
5040	642036.2	4164748.9	Worker	Scenario 1	7.86E-03	1.59E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5041	642136.2	4164748.9	Worker	Scenario 1	7.75E-03	1.57E-05	--
5042	642236.2	4164748.9	Worker	Scenario 1	8.13E-03	1.64E-05	--
5043	642336.2	4164748.9	Worker	Scenario 1	8.19E-03	1.65E-05	--
5044	642436.2	4164748.9	Worker	Scenario 1	8.27E-03	1.67E-05	--
5045	642536.2	4164748.9	Worker	Scenario 1	9.37E-03	1.89E-05	--
5046	642636.2	4164748.9	Worker	Scenario 1	8.96E-03	1.81E-05	--
5047	642736.2	4164748.9	Worker	Scenario 1	8.87E-03	1.79E-05	--
5048	642836.2	4164748.9	Worker	Scenario 1	9.24E-03	1.87E-05	--
5049	642936.2	4164748.9	Worker	Scenario 1	1.01E-02	2.04E-05	--
5050	643036.2	4164748.9	Worker	Scenario 1	1.20E-02	2.43E-05	--
5051	643136.2	4164748.9	Worker	Scenario 1	1.25E-02	2.53E-05	--
5052	643236.2	4164748.9	Worker	Scenario 1	1.45E-02	2.93E-05	--
5053	643336.2	4164748.9	Worker	Scenario 1	1.57E-02	3.16E-05	--
5054	643436.2	4164748.9	Worker	Scenario 1	1.70E-02	3.43E-05	--
5055	643536.2	4164748.9	Worker	Scenario 1	1.86E-02	3.76E-05	--
5056	643636.2	4164748.9	Worker	Scenario 1	2.01E-02	4.05E-05	--
5057	643736.2	4164748.9	Worker	Scenario 1	2.12E-02	4.28E-05	--
5058	644036.2	4164748.9	Worker	Scenario 1	2.40E-02	4.85E-05	--
5059	644136.2	4164748.9	Worker	Scenario 1	2.51E-02	5.07E-05	--
5060	644236.2	4164748.9	Worker	Scenario 1	2.58E-02	5.22E-05	--
5061	644336.2	4164748.9	Worker	Scenario 1	2.66E-02	5.37E-05	--
5062	644436.2	4164748.9	Worker	Scenario 1	2.74E-02	5.54E-05	--
5063	644536.2	4164748.9	Worker	Scenario 1	2.83E-02	5.72E-05	--
5064	644736.2	4164748.9	Worker	Scenario 1	3.02E-02	6.09E-05	--
5065	644836.2	4164748.9	Worker	Scenario 1	3.09E-02	6.24E-05	--
5066	644936.2	4164748.9	Worker	Scenario 1	3.16E-02	6.37E-05	--
5067	645036.2	4164748.9	Worker	Scenario 1	3.15E-02	6.37E-05	--
5068	645136.2	4164748.9	Worker	Scenario 1	3.25E-02	6.57E-05	--
5069	645236.2	4164748.9	Worker	Scenario 1	3.28E-02	6.62E-05	--
5070	645336.2	4164748.9	Worker	Scenario 1	3.28E-02	6.63E-05	--
5071	645436.2	4164748.9	Worker	Scenario 1	3.32E-02	6.71E-05	--
5072	640136.2	4164848.9	Worker	Scenario 1	4.56E-03	9.21E-06	--
5073	640236.2	4164848.9	Worker	Scenario 1	5.14E-03	1.04E-05	--
5074	640336.2	4164848.9	Worker	Scenario 1	6.19E-03	1.25E-05	--
5075	640436.2	4164848.9	Worker	Scenario 1	5.09E-03	1.03E-05	--
5076	640536.2	4164848.9	Worker	Scenario 1	4.91E-03	9.92E-06	--
5077	640636.2	4164848.9	Worker	Scenario 1	5.12E-03	1.03E-05	--
5078	640736.2	4164848.9	Worker	Scenario 1	5.39E-03	1.09E-05	--
5079	640836.2	4164848.9	Worker	Scenario 1	5.42E-03	1.09E-05	--
5080	640936.2	4164848.9	Worker	Scenario 1	5.70E-03	1.15E-05	--
5081	641036.2	4164848.9	Worker	Scenario 1	5.62E-03	1.13E-05	--
5082	641136.2	4164848.9	Worker	Scenario 1	5.78E-03	1.17E-05	--
5083	641236.2	4164848.9	Worker	Scenario 1	6.00E-03	1.21E-05	--
5084	641336.2	4164848.9	Worker	Scenario 1	6.26E-03	1.26E-05	--
5085	641436.2	4164848.9	Worker	Scenario 1	6.33E-03	1.28E-05	--
5086	641536.2	4164848.9	Worker	Scenario 1	6.49E-03	1.31E-05	--
5087	641636.2	4164848.9	Worker	Scenario 1	6.68E-03	1.35E-05	--
5088	641736.2	4164848.9	Worker	Scenario 1	7.04E-03	1.42E-05	--
5089	641836.2	4164848.9	Worker	Scenario 1	7.33E-03	1.48E-05	--
5090	641936.2	4164848.9	Worker	Scenario 1	7.84E-03	1.58E-05	--
5091	642036.2	4164848.9	Worker	Scenario 1	9.33E-03	1.88E-05	--
5092	642136.2	4164848.9	Worker	Scenario 1	8.15E-03	1.65E-05	--
5093	642236.2	4164848.9	Worker	Scenario 1	8.37E-03	1.69E-05	--
5094	642336.2	4164848.9	Worker	Scenario 1	8.98E-03	1.81E-05	--
5095	642436.2	4164848.9	Worker	Scenario 1	8.72E-03	1.76E-05	--
5096	642536.2	4164848.9	Worker	Scenario 1	9.19E-03	1.86E-05	--
5097	642636.2	4164848.9	Worker	Scenario 1	9.86E-03	1.99E-05	--
5098	642736.2	4164848.9	Worker	Scenario 1	9.39E-03	1.90E-05	--
5099	642836.2	4164848.9	Worker	Scenario 1	9.76E-03	1.97E-05	--
5100	642936.2	4164848.9	Worker	Scenario 1	1.04E-02	2.11E-05	--
5101	643036.2	4164848.9	Worker	Scenario 1	1.13E-02	2.28E-05	--
5102	643136.2	4164848.9	Worker	Scenario 1	1.46E-02	2.95E-05	--
5103	643236.2	4164848.9	Worker	Scenario 1	1.52E-02	3.08E-05	--
5104	643336.2	4164848.9	Worker	Scenario 1	1.71E-02	3.45E-05	--
5105	643436.2	4164848.9	Worker	Scenario 1	1.84E-02	3.72E-05	--
5106	643536.2	4164848.9	Worker	Scenario 1	1.97E-02	3.98E-05	--
5107	643636.2	4164848.9	Worker	Scenario 1	2.13E-02	4.30E-05	--
5108	643936.2	4164848.9	Worker	Scenario 1	2.49E-02	5.03E-05	--
5109	644036.2	4164848.9	Worker	Scenario 1	2.59E-02	5.24E-05	--
5110	644136.2	4164848.9	Worker	Scenario 1	2.69E-02	5.44E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5111	644236.2	4164848.9	Worker	Scenario 1	2.77E-02	5.59E-05	--
5112	644336.2	4164848.9	Worker	Scenario 1	2.85E-02	5.75E-05	--
5113	644436.2	4164848.9	Worker	Scenario 1	2.94E-02	5.95E-05	--
5114	644536.2	4164848.9	Worker	Scenario 1	3.04E-02	6.14E-05	--
5115	644736.2	4164848.9	Worker	Scenario 1	3.24E-02	6.55E-05	--
5116	644836.2	4164848.9	Worker	Scenario 1	3.29E-02	6.64E-05	--
5117	644936.2	4164848.9	Worker	Scenario 1	3.35E-02	6.77E-05	--
5118	645036.2	4164848.9	Worker	Scenario 1	3.43E-02	6.93E-05	--
5119	645136.2	4164848.9	Worker	Scenario 1	3.46E-02	6.98E-05	--
5120	645236.2	4164848.9	Worker	Scenario 1	3.47E-02	7.01E-05	--
5121	645336.2	4164848.9	Worker	Scenario 1	3.46E-02	6.98E-05	--
5122	645436.2	4164848.9	Worker	Scenario 1	3.43E-02	6.93E-05	--
5123	645536.2	4164848.9	Worker	Scenario 1	3.42E-02	6.90E-05	--
5124	645636.2	4164848.9	Worker	Scenario 1	3.54E-02	7.16E-05	--
5125	645736.2	4164848.9	Worker	Scenario 1	3.50E-02	7.07E-05	--
5126	640036.2	4164948.9	Worker	Scenario 1	4.41E-03	8.92E-06	--
5127	640136.2	4164948.9	Worker	Scenario 1	4.77E-03	9.63E-06	--
5128	640236.2	4164948.9	Worker	Scenario 1	5.37E-03	1.08E-05	--
5129	640336.2	4164948.9	Worker	Scenario 1	6.46E-03	1.30E-05	--
5130	640436.2	4164948.9	Worker	Scenario 1	5.57E-03	1.13E-05	--
5131	640536.2	4164948.9	Worker	Scenario 1	5.04E-03	1.02E-05	--
5132	640636.2	4164948.9	Worker	Scenario 1	5.17E-03	1.04E-05	--
5133	640736.2	4164948.9	Worker	Scenario 1	5.36E-03	1.08E-05	--
5134	640836.2	4164948.9	Worker	Scenario 1	5.73E-03	1.16E-05	--
5135	640936.2	4164948.9	Worker	Scenario 1	6.00E-03	1.21E-05	--
5136	641036.2	4164948.9	Worker	Scenario 1	5.80E-03	1.17E-05	--
5137	641136.2	4164948.9	Worker	Scenario 1	5.95E-03	1.20E-05	--
5138	641236.2	4164948.9	Worker	Scenario 1	6.23E-03	1.26E-05	--
5139	641336.2	4164948.9	Worker	Scenario 1	6.46E-03	1.31E-05	--
5140	641436.2	4164948.9	Worker	Scenario 1	6.64E-03	1.34E-05	--
5141	641536.2	4164948.9	Worker	Scenario 1	6.74E-03	1.36E-05	--
5142	641636.2	4164948.9	Worker	Scenario 1	6.91E-03	1.40E-05	--
5143	641736.2	4164948.9	Worker	Scenario 1	7.26E-03	1.47E-05	--
5144	641836.2	4164948.9	Worker	Scenario 1	7.94E-03	1.60E-05	--
5145	641936.2	4164948.9	Worker	Scenario 1	8.01E-03	1.62E-05	--
5146	642036.2	4164948.9	Worker	Scenario 1	9.74E-03	1.97E-05	--
5147	642136.2	4164948.9	Worker	Scenario 1	8.56E-03	1.73E-05	--
5148	642236.2	4164948.9	Worker	Scenario 1	8.71E-03	1.76E-05	--
5149	642336.2	4164948.9	Worker	Scenario 1	9.27E-03	1.87E-05	--
5150	642436.2	4164948.9	Worker	Scenario 1	9.80E-03	1.98E-05	--
5151	642536.2	4164948.9	Worker	Scenario 1	9.84E-03	1.99E-05	--
5152	642636.2	4164948.9	Worker	Scenario 1	1.09E-02	2.20E-05	--
5153	642736.2	4164948.9	Worker	Scenario 1	1.03E-02	2.07E-05	--
5154	642836.2	4164948.9	Worker	Scenario 1	1.03E-02	2.08E-05	--
5155	642936.2	4164948.9	Worker	Scenario 1	1.10E-02	2.23E-05	--
5156	643036.2	4164948.9	Worker	Scenario 1	1.18E-02	2.39E-05	--
5157	643136.2	4164948.9	Worker	Scenario 1	1.54E-02	3.11E-05	--
5158	643236.2	4164948.9	Worker	Scenario 1	1.67E-02	3.37E-05	--
5159	643336.2	4164948.9	Worker	Scenario 1	1.87E-02	3.77E-05	--
5160	643436.2	4164948.9	Worker	Scenario 1	2.00E-02	4.04E-05	--
5161	643536.2	4164948.9	Worker	Scenario 1	2.14E-02	4.33E-05	--
5162	643736.2	4164948.9	Worker	Scenario 1	2.41E-02	4.86E-05	--
5163	643836.2	4164948.9	Worker	Scenario 1	2.57E-02	5.20E-05	--
5164	643936.2	4164948.9	Worker	Scenario 1	2.70E-02	5.46E-05	--
5165	644036.2	4164948.9	Worker	Scenario 1	2.81E-02	5.68E-05	--
5166	644136.2	4164948.9	Worker	Scenario 1	2.88E-02	5.82E-05	--
5167	644236.2	4164948.9	Worker	Scenario 1	2.97E-02	6.00E-05	--
5168	644336.2	4164948.9	Worker	Scenario 1	3.08E-02	6.21E-05	--
5169	644436.2	4164948.9	Worker	Scenario 1	3.18E-02	6.42E-05	--
5170	644536.2	4164948.9	Worker	Scenario 1	3.29E-02	6.65E-05	--
5171	644736.2	4164948.9	Worker	Scenario 1	3.49E-02	7.05E-05	--
5172	644836.2	4164948.9	Worker	Scenario 1	3.57E-02	7.21E-05	--
5173	644936.2	4164948.9	Worker	Scenario 1	3.51E-02	7.10E-05	--
5174	645036.2	4164948.9	Worker	Scenario 1	3.65E-02	7.38E-05	--
5175	645136.2	4164948.9	Worker	Scenario 1	3.68E-02	7.43E-05	--
5176	645236.2	4164948.9	Worker	Scenario 1	3.65E-02	7.38E-05	--
5177	645336.2	4164948.9	Worker	Scenario 1	3.65E-02	7.37E-05	--
5178	645436.2	4164948.9	Worker	Scenario 1	3.62E-02	7.30E-05	--
5179	645536.2	4164948.9	Worker	Scenario 1	3.76E-02	7.59E-05	--
5180	645636.2	4164948.9	Worker	Scenario 1	3.71E-02	7.49E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5181	645736.2	4164948.9	Worker	Scenario 1	3.65E-02	7.37E-05	--
5182	645836.2	4164948.9	Worker	Scenario 1	3.60E-02	7.27E-05	--
5183	639836.2	4165048.9	Worker	Scenario 1	4.48E-03	9.05E-06	--
5184	639936.2	4165048.9	Worker	Scenario 1	4.42E-03	8.92E-06	--
5185	640036.2	4165048.9	Worker	Scenario 1	4.60E-03	9.28E-06	--
5186	640136.2	4165048.9	Worker	Scenario 1	4.74E-03	9.58E-06	--
5187	640236.2	4165048.9	Worker	Scenario 1	5.14E-03	1.04E-05	--
5188	640336.2	4165048.9	Worker	Scenario 1	6.22E-03	1.26E-05	--
5189	640436.2	4165048.9	Worker	Scenario 1	6.71E-03	1.35E-05	--
5190	640536.2	4165048.9	Worker	Scenario 1	5.23E-03	1.06E-05	--
5191	640636.2	4165048.9	Worker	Scenario 1	5.35E-03	1.08E-05	--
5192	640736.2	4165048.9	Worker	Scenario 1	5.44E-03	1.10E-05	--
5193	640836.2	4165048.9	Worker	Scenario 1	5.68E-03	1.15E-05	--
5194	640936.2	4165048.9	Worker	Scenario 1	6.26E-03	1.26E-05	--
5195	641036.2	4165048.9	Worker	Scenario 1	5.96E-03	1.20E-05	--
5196	641136.2	4165048.9	Worker	Scenario 1	6.13E-03	1.24E-05	--
5197	641236.2	4165048.9	Worker	Scenario 1	6.47E-03	1.31E-05	--
5198	641336.2	4165048.9	Worker	Scenario 1	6.59E-03	1.33E-05	--
5199	641436.2	4165048.9	Worker	Scenario 1	7.24E-03	1.46E-05	--
5200	641536.2	4165048.9	Worker	Scenario 1	7.24E-03	1.46E-05	--
5201	641636.2	4165048.9	Worker	Scenario 1	7.25E-03	1.46E-05	--
5202	641736.2	4165048.9	Worker	Scenario 1	7.48E-03	1.51E-05	--
5203	641836.2	4165048.9	Worker	Scenario 1	7.88E-03	1.59E-05	--
5204	641936.2	4165048.9	Worker	Scenario 1	9.07E-03	1.83E-05	--
5205	642036.2	4165048.9	Worker	Scenario 1	9.36E-03	1.89E-05	--
5206	642136.2	4165048.9	Worker	Scenario 1	9.74E-03	1.97E-05	--
5207	642236.2	4165048.9	Worker	Scenario 1	9.20E-03	1.86E-05	--
5208	642336.2	4165048.9	Worker	Scenario 1	9.53E-03	1.93E-05	--
5209	642436.2	4165048.9	Worker	Scenario 1	1.00E-02	2.02E-05	--
5210	642536.2	4165048.9	Worker	Scenario 1	1.19E-02	2.40E-05	--
5211	642636.2	4165048.9	Worker	Scenario 1	1.29E-02	2.61E-05	--
5212	642736.2	4165048.9	Worker	Scenario 1	1.17E-02	2.36E-05	--
5213	642836.2	4165048.9	Worker	Scenario 1	1.11E-02	2.24E-05	--
5214	642936.2	4165048.9	Worker	Scenario 1	1.18E-02	2.38E-05	--
5215	643036.2	4165048.9	Worker	Scenario 1	1.42E-02	2.86E-05	--
5216	643136.2	4165048.9	Worker	Scenario 1	1.63E-02	3.29E-05	--
5217	643236.2	4165048.9	Worker	Scenario 1	1.96E-02	3.96E-05	--
5218	643336.2	4165048.9	Worker	Scenario 1	2.05E-02	4.15E-05	--
5219	643436.2	4165048.9	Worker	Scenario 1	2.22E-02	4.48E-05	--
5220	643636.2	4165048.9	Worker	Scenario 1	2.48E-02	5.02E-05	--
5221	643736.2	4165048.9	Worker	Scenario 1	2.64E-02	5.32E-05	--
5222	643836.2	4165048.9	Worker	Scenario 1	2.83E-02	5.71E-05	--
5223	643936.2	4165048.9	Worker	Scenario 1	2.95E-02	5.95E-05	--
5224	644036.2	4165048.9	Worker	Scenario 1	3.03E-02	6.11E-05	--
5225	644136.2	4165048.9	Worker	Scenario 1	3.11E-02	6.29E-05	--
5226	644236.2	4165048.9	Worker	Scenario 1	3.21E-02	6.48E-05	--
5227	644336.2	4165048.9	Worker	Scenario 1	3.33E-02	6.72E-05	--
5228	644436.2	4165048.9	Worker	Scenario 1	3.45E-02	6.96E-05	--
5229	644536.2	4165048.9	Worker	Scenario 1	3.56E-02	7.19E-05	--
5230	644736.2	4165048.9	Worker	Scenario 1	3.77E-02	7.62E-05	--
5231	644836.2	4165048.9	Worker	Scenario 1	3.85E-02	7.77E-05	--
5232	644936.2	4165048.9	Worker	Scenario 1	3.89E-02	7.87E-05	--
5233	645036.2	4165048.9	Worker	Scenario 1	3.92E-02	7.91E-05	--
5234	645136.2	4165048.9	Worker	Scenario 1	3.91E-02	7.89E-05	--
5235	645236.2	4165048.9	Worker	Scenario 1	3.87E-02	7.81E-05	--
5236	645336.2	4165048.9	Worker	Scenario 1	4.03E-02	8.13E-05	--
5237	645436.2	4165048.9	Worker	Scenario 1	3.99E-02	8.06E-05	--
5238	645536.2	4165048.9	Worker	Scenario 1	3.93E-02	7.95E-05	--
5239	645636.2	4165048.9	Worker	Scenario 1	3.88E-02	7.83E-05	--
5240	645736.2	4165048.9	Worker	Scenario 1	3.82E-02	7.71E-05	--
5241	646036.2	4165048.9	Worker	Scenario 1	3.55E-02	7.17E-05	--
5242	639736.2	4165148.9	Worker	Scenario 1	4.47E-03	9.03E-06	--
5243	639836.2	4165148.9	Worker	Scenario 1	4.65E-03	9.39E-06	--
5244	639936.2	4165148.9	Worker	Scenario 1	4.54E-03	9.17E-06	--
5245	640036.2	4165148.9	Worker	Scenario 1	4.65E-03	9.40E-06	--
5246	640136.2	4165148.9	Worker	Scenario 1	4.86E-03	9.82E-06	--
5247	640236.2	4165148.9	Worker	Scenario 1	5.05E-03	1.02E-05	--
5248	640336.2	4165148.9	Worker	Scenario 1	5.92E-03	1.20E-05	--
5249	640436.2	4165148.9	Worker	Scenario 1	7.37E-03	1.49E-05	--
5250	640536.2	4165148.9	Worker	Scenario 1	5.54E-03	1.12E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5251	640636.2	4165148.9	Worker	Scenario 1	5.58E-03	1.13E-05	--
5252	640736.2	4165148.9	Worker	Scenario 1	5.58E-03	1.13E-05	--
5253	640836.2	4165148.9	Worker	Scenario 1	5.80E-03	1.17E-05	--
5254	640936.2	4165148.9	Worker	Scenario 1	6.48E-03	1.31E-05	--
5255	641036.2	4165148.9	Worker	Scenario 1	6.13E-03	1.24E-05	--
5256	641136.2	4165148.9	Worker	Scenario 1	6.32E-03	1.28E-05	--
5257	641236.2	4165148.9	Worker	Scenario 1	6.58E-03	1.33E-05	--
5258	641336.2	4165148.9	Worker	Scenario 1	7.01E-03	1.42E-05	--
5259	641436.2	4165148.9	Worker	Scenario 1	7.20E-03	1.45E-05	--
5260	641536.2	4165148.9	Worker	Scenario 1	7.57E-03	1.53E-05	--
5261	641636.2	4165148.9	Worker	Scenario 1	7.62E-03	1.54E-05	--
5262	641736.2	4165148.9	Worker	Scenario 1	7.87E-03	1.59E-05	--
5263	641836.2	4165148.9	Worker	Scenario 1	8.16E-03	1.65E-05	--
5264	641936.2	4165148.9	Worker	Scenario 1	8.70E-03	1.76E-05	--
5265	642036.2	4165148.9	Worker	Scenario 1	1.01E-02	2.04E-05	--
5266	642136.2	4165148.9	Worker	Scenario 1	1.17E-02	2.36E-05	--
5267	642236.2	4165148.9	Worker	Scenario 1	9.87E-03	1.99E-05	--
5268	642336.2	4165148.9	Worker	Scenario 1	1.02E-02	2.05E-05	--
5269	642436.2	4165148.9	Worker	Scenario 1	1.05E-02	2.13E-05	--
5270	642536.2	4165148.9	Worker	Scenario 1	1.08E-02	2.19E-05	--
5271	642636.2	4165148.9	Worker	Scenario 1	1.23E-02	2.48E-05	--
5272	642736.2	4165148.9	Worker	Scenario 1	1.37E-02	2.77E-05	--
5273	642836.2	4165148.9	Worker	Scenario 1	1.20E-02	2.42E-05	--
5274	642936.2	4165148.9	Worker	Scenario 1	1.28E-02	2.59E-05	--
5275	643036.2	4165148.9	Worker	Scenario 1	1.58E-02	3.19E-05	--
5276	643136.2	4165148.9	Worker	Scenario 1	1.83E-02	3.69E-05	--
5277	643236.2	4165148.9	Worker	Scenario 1	2.03E-02	4.11E-05	--
5278	643336.2	4165148.9	Worker	Scenario 1	2.31E-02	4.66E-05	--
5279	643536.2	4165148.9	Worker	Scenario 1	2.61E-02	5.26E-05	--
5280	643636.2	4165148.9	Worker	Scenario 1	2.80E-02	5.66E-05	--
5281	643736.2	4165148.9	Worker	Scenario 1	2.99E-02	6.03E-05	--
5282	643836.2	4165148.9	Worker	Scenario 1	3.10E-02	6.27E-05	--
5283	643936.2	4165148.9	Worker	Scenario 1	3.19E-02	6.44E-05	--
5284	644036.2	4165148.9	Worker	Scenario 1	3.28E-02	6.62E-05	--
5285	644136.2	4165148.9	Worker	Scenario 1	3.38E-02	6.82E-05	--
5286	644236.2	4165148.9	Worker	Scenario 1	3.49E-02	7.05E-05	--
5287	644336.2	4165148.9	Worker	Scenario 1	3.62E-02	7.31E-05	--
5288	644436.2	4165148.9	Worker	Scenario 1	3.75E-02	7.57E-05	--
5289	644536.2	4165148.9	Worker	Scenario 1	3.87E-02	7.81E-05	--
5290	644736.2	4165148.9	Worker	Scenario 1	4.06E-02	8.21E-05	--
5291	644836.2	4165148.9	Worker	Scenario 1	4.13E-02	8.33E-05	--
5292	644936.2	4165148.9	Worker	Scenario 1	4.17E-02	8.42E-05	--
5293	645036.2	4165148.9	Worker	Scenario 1	4.17E-02	8.42E-05	--
5294	645136.2	4165148.9	Worker	Scenario 1	4.12E-02	8.32E-05	--
5295	645236.2	4165148.9	Worker	Scenario 1	4.09E-02	8.26E-05	--
5296	645336.2	4165148.9	Worker	Scenario 1	4.22E-02	8.53E-05	--
5297	645436.2	4165148.9	Worker	Scenario 1	4.18E-02	8.43E-05	--
5298	645536.2	4165148.9	Worker	Scenario 1	4.12E-02	8.33E-05	--
5299	645636.2	4165148.9	Worker	Scenario 1	4.07E-02	8.22E-05	--
5300	645736.2	4165148.9	Worker	Scenario 1	3.85E-02	7.77E-05	--
5301	645936.2	4165148.9	Worker	Scenario 1	3.77E-02	7.60E-05	--
5302	646036.2	4165148.9	Worker	Scenario 1	3.74E-02	7.55E-05	--
5303	646136.2	4165148.9	Worker	Scenario 1	3.72E-02	7.51E-05	--
5304	639636.2	4165248.9	Worker	Scenario 1	4.40E-03	8.89E-06	--
5305	639736.2	4165248.9	Worker	Scenario 1	4.51E-03	9.12E-06	--
5306	639836.2	4165248.9	Worker	Scenario 1	4.66E-03	9.41E-06	--
5307	639936.2	4165248.9	Worker	Scenario 1	4.82E-03	9.73E-06	--
5308	640036.2	4165248.9	Worker	Scenario 1	4.79E-03	9.68E-06	--
5309	640136.2	4165248.9	Worker	Scenario 1	4.99E-03	1.01E-05	--
5310	640236.2	4165248.9	Worker	Scenario 1	5.35E-03	1.08E-05	--
5311	640336.2	4165248.9	Worker	Scenario 1	6.05E-03	1.22E-05	--
5312	640436.2	4165248.9	Worker	Scenario 1	7.59E-03	1.53E-05	--
5313	640536.2	4165248.9	Worker	Scenario 1	7.02E-03	1.42E-05	--
5314	640636.2	4165248.9	Worker	Scenario 1	5.63E-03	1.14E-05	--
5315	640736.2	4165248.9	Worker	Scenario 1	5.73E-03	1.16E-05	--
5316	640836.2	4165248.9	Worker	Scenario 1	5.98E-03	1.21E-05	--
5317	640936.2	4165248.9	Worker	Scenario 1	6.76E-03	1.37E-05	--
5318	641036.2	4165248.9	Worker	Scenario 1	6.43E-03	1.30E-05	--
5319	641136.2	4165248.9	Worker	Scenario 1	6.52E-03	1.32E-05	--
5320	641236.2	4165248.9	Worker	Scenario 1	6.98E-03	1.41E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5321	641336.2	4165248.9	Worker	Scenario 1	7.47E-03	1.51E-05	--
5322	641436.2	4165248.9	Worker	Scenario 1	7.42E-03	1.50E-05	--
5323	641536.2	4165248.9	Worker	Scenario 1	8.08E-03	1.63E-05	--
5324	641636.2	4165248.9	Worker	Scenario 1	7.96E-03	1.61E-05	--
5325	641736.2	4165248.9	Worker	Scenario 1	8.30E-03	1.68E-05	--
5326	641836.2	4165248.9	Worker	Scenario 1	8.58E-03	1.73E-05	--
5327	641936.2	4165248.9	Worker	Scenario 1	8.98E-03	1.81E-05	--
5328	642036.2	4165248.9	Worker	Scenario 1	9.98E-03	2.02E-05	--
5329	642136.2	4165248.9	Worker	Scenario 1	1.25E-02	2.52E-05	--
5330	642236.2	4165248.9	Worker	Scenario 1	1.14E-02	2.31E-05	--
5331	642336.2	4165248.9	Worker	Scenario 1	1.15E-02	2.31E-05	--
5332	642436.2	4165248.9	Worker	Scenario 1	1.13E-02	2.28E-05	--
5333	642536.2	4165248.9	Worker	Scenario 1	1.19E-02	2.41E-05	--
5334	642636.2	4165248.9	Worker	Scenario 1	1.23E-02	2.48E-05	--
5335	642736.2	4165248.9	Worker	Scenario 1	1.80E-02	3.63E-05	--
5336	642836.2	4165248.9	Worker	Scenario 1	1.31E-02	2.65E-05	--
5337	642936.2	4165248.9	Worker	Scenario 1	1.44E-02	2.91E-05	--
5338	643036.2	4165248.9	Worker	Scenario 1	1.79E-02	3.62E-05	--
5339	643136.2	4165248.9	Worker	Scenario 1	2.02E-02	4.07E-05	--
5340	643436.2	4165248.9	Worker	Scenario 1	2.79E-02	5.63E-05	--
5341	643536.2	4165248.9	Worker	Scenario 1	2.99E-02	6.04E-05	--
5342	643636.2	4165248.9	Worker	Scenario 1	3.15E-02	6.37E-05	--
5343	643736.2	4165248.9	Worker	Scenario 1	3.27E-02	6.60E-05	--
5344	643836.2	4165248.9	Worker	Scenario 1	3.37E-02	6.81E-05	--
5345	643936.2	4165248.9	Worker	Scenario 1	3.46E-02	6.99E-05	--
5346	644036.2	4165248.9	Worker	Scenario 1	3.57E-02	7.21E-05	--
5347	644136.2	4165248.9	Worker	Scenario 1	3.68E-02	7.44E-05	--
5348	644236.2	4165248.9	Worker	Scenario 1	3.82E-02	7.71E-05	--
5349	644336.2	4165248.9	Worker	Scenario 1	3.96E-02	8.00E-05	--
5350	644436.2	4165248.9	Worker	Scenario 1	4.10E-02	8.28E-05	--
5351	644536.2	4165248.9	Worker	Scenario 1	4.22E-02	8.52E-05	--
5352	644736.2	4165248.9	Worker	Scenario 1	4.40E-02	8.88E-05	--
5353	644836.2	4165248.9	Worker	Scenario 1	4.44E-02	8.97E-05	--
5354	644936.2	4165248.9	Worker	Scenario 1	4.46E-02	9.00E-05	--
5355	645036.2	4165248.9	Worker	Scenario 1	4.44E-02	8.96E-05	--
5356	645136.2	4165248.9	Worker	Scenario 1	4.38E-02	8.85E-05	--
5357	645236.2	4165248.9	Worker	Scenario 1	4.33E-02	8.75E-05	--
5358	645336.2	4165248.9	Worker	Scenario 1	4.27E-02	8.63E-05	--
5359	645436.2	4165248.9	Worker	Scenario 1	4.20E-02	8.47E-05	--
5360	645536.2	4165248.9	Worker	Scenario 1	4.12E-02	8.32E-05	--
5361	645636.2	4165248.9	Worker	Scenario 1	4.05E-02	8.18E-05	--
5362	645936.2	4165248.9	Worker	Scenario 1	3.98E-02	8.04E-05	--
5363	646036.2	4165248.9	Worker	Scenario 1	3.95E-02	7.98E-05	--
5364	646136.2	4165248.9	Worker	Scenario 1	3.94E-02	7.95E-05	--
5365	639536.2	4165348.9	Worker	Scenario 1	4.41E-03	8.91E-06	--
5366	639636.2	4165348.9	Worker	Scenario 1	4.61E-03	9.31E-06	--
5367	639736.2	4165348.9	Worker	Scenario 1	4.60E-03	9.29E-06	--
5368	639836.2	4165348.9	Worker	Scenario 1	4.78E-03	9.66E-06	--
5369	639936.2	4165348.9	Worker	Scenario 1	5.09E-03	1.03E-05	--
5370	640036.2	4165348.9	Worker	Scenario 1	4.91E-03	9.92E-06	--
5371	640136.2	4165348.9	Worker	Scenario 1	5.08E-03	1.03E-05	--
5372	640236.2	4165348.9	Worker	Scenario 1	5.31E-03	1.07E-05	--
5373	640336.2	4165348.9	Worker	Scenario 1	5.65E-03	1.14E-05	--
5374	640436.2	4165348.9	Worker	Scenario 1	7.26E-03	1.47E-05	--
5375	640536.2	4165348.9	Worker	Scenario 1	8.56E-03	1.73E-05	--
5376	640636.2	4165348.9	Worker	Scenario 1	6.16E-03	1.24E-05	--
5377	640736.2	4165348.9	Worker	Scenario 1	5.94E-03	1.20E-05	--
5378	640836.2	4165348.9	Worker	Scenario 1	6.27E-03	1.27E-05	--
5379	640936.2	4165348.9	Worker	Scenario 1	7.07E-03	1.43E-05	--
5380	641036.2	4165348.9	Worker	Scenario 1	6.49E-03	1.31E-05	--
5381	641136.2	4165348.9	Worker	Scenario 1	6.69E-03	1.35E-05	--
5382	641236.2	4165348.9	Worker	Scenario 1	7.05E-03	1.42E-05	--
5383	641336.2	4165348.9	Worker	Scenario 1	7.66E-03	1.55E-05	--
5384	641436.2	4165348.9	Worker	Scenario 1	8.39E-03	1.69E-05	--
5385	641536.2	4165348.9	Worker	Scenario 1	8.69E-03	1.75E-05	--
5386	641636.2	4165348.9	Worker	Scenario 1	8.43E-03	1.70E-05	--
5387	641736.2	4165348.9	Worker	Scenario 1	8.78E-03	1.77E-05	--
5388	641836.2	4165348.9	Worker	Scenario 1	9.12E-03	1.84E-05	--
5389	641936.2	4165348.9	Worker	Scenario 1	9.51E-03	1.92E-05	--
5390	642036.2	4165348.9	Worker	Scenario 1	1.01E-02	2.05E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5391	642136.2	4165348.9	Worker	Scenario 1	1.12E-02	2.25E-05	--
5392	642236.2	4165348.9	Worker	Scenario 1	1.57E-02	3.17E-05	--
5393	642336.2	4165348.9	Worker	Scenario 1	1.26E-02	2.54E-05	--
5394	642436.2	4165348.9	Worker	Scenario 1	1.24E-02	2.50E-05	--
5395	642536.2	4165348.9	Worker	Scenario 1	1.35E-02	2.72E-05	--
5396	642636.2	4165348.9	Worker	Scenario 1	1.34E-02	2.70E-05	--
5397	642736.2	4165348.9	Worker	Scenario 1	1.54E-02	3.11E-05	--
5398	642836.2	4165348.9	Worker	Scenario 1	1.77E-02	3.58E-05	--
5399	642936.2	4165348.9	Worker	Scenario 1	1.63E-02	3.28E-05	--
5400	643036.2	4165348.9	Worker	Scenario 1	2.02E-02	4.08E-05	--
5401	643236.2	4165348.9	Worker	Scenario 1	2.77E-02	5.60E-05	--
5402	643336.2	4165348.9	Worker	Scenario 1	2.99E-02	6.04E-05	--
5403	643436.2	4165348.9	Worker	Scenario 1	3.13E-02	6.31E-05	--
5404	643536.2	4165348.9	Worker	Scenario 1	3.30E-02	6.67E-05	--
5405	643636.2	4165348.9	Worker	Scenario 1	3.44E-02	6.96E-05	--
5406	643736.2	4165348.9	Worker	Scenario 1	3.56E-02	7.20E-05	--
5407	643836.2	4165348.9	Worker	Scenario 1	3.67E-02	7.41E-05	--
5408	643936.2	4165348.9	Worker	Scenario 1	3.78E-02	7.64E-05	--
5409	644036.2	4165348.9	Worker	Scenario 1	3.90E-02	7.88E-05	--
5410	644136.2	4165348.9	Worker	Scenario 1	4.04E-02	8.15E-05	--
5411	644236.2	4165348.9	Worker	Scenario 1	4.19E-02	8.47E-05	--
5412	644336.2	4165348.9	Worker	Scenario 1	4.35E-02	8.79E-05	--
5413	644436.2	4165348.9	Worker	Scenario 1	4.49E-02	9.08E-05	--
5414	644536.2	4165348.9	Worker	Scenario 1	4.61E-02	9.31E-05	--
5415	644736.2	4165348.9	Worker	Scenario 1	4.76E-02	9.61E-05	--
5416	644836.2	4165348.9	Worker	Scenario 1	4.77E-02	9.64E-05	--
5417	644936.2	4165348.9	Worker	Scenario 1	4.75E-02	9.60E-05	--
5418	645036.2	4165348.9	Worker	Scenario 1	4.72E-02	9.53E-05	--
5419	645136.2	4165348.9	Worker	Scenario 1	4.65E-02	9.40E-05	--
5420	645236.2	4165348.9	Worker	Scenario 1	4.58E-02	9.25E-05	--
5421	645336.2	4165348.9	Worker	Scenario 1	4.50E-02	9.09E-05	--
5422	645436.2	4165348.9	Worker	Scenario 1	4.43E-02	8.96E-05	--
5423	645536.2	4165348.9	Worker	Scenario 1	4.37E-02	8.84E-05	--
5424	645636.2	4165348.9	Worker	Scenario 1	4.32E-02	8.73E-05	--
5425	639436.2	4165448.9	Worker	Scenario 1	4.43E-03	8.94E-06	--
5426	639536.2	4165448.9	Worker	Scenario 1	4.63E-03	9.36E-06	--
5427	639636.2	4165448.9	Worker	Scenario 1	4.79E-03	9.68E-06	--
5428	639736.2	4165448.9	Worker	Scenario 1	4.74E-03	9.57E-06	--
5429	639836.2	4165448.9	Worker	Scenario 1	4.86E-03	9.81E-06	--
5430	639936.2	4165448.9	Worker	Scenario 1	5.23E-03	1.06E-05	--
5431	640036.2	4165448.9	Worker	Scenario 1	5.14E-03	1.04E-05	--
5432	640136.2	4165448.9	Worker	Scenario 1	5.20E-03	1.05E-05	--
5433	640236.2	4165448.9	Worker	Scenario 1	5.46E-03	1.10E-05	--
5434	640336.2	4165448.9	Worker	Scenario 1	5.69E-03	1.15E-05	--
5435	640436.2	4165448.9	Worker	Scenario 1	6.81E-03	1.38E-05	--
5436	640536.2	4165448.9	Worker	Scenario 1	9.06E-03	1.83E-05	--
5437	640636.2	4165448.9	Worker	Scenario 1	7.16E-03	1.45E-05	--
5438	640736.2	4165448.9	Worker	Scenario 1	6.12E-03	1.24E-05	--
5439	640836.2	4165448.9	Worker	Scenario 1	6.52E-03	1.32E-05	--
5440	640936.2	4165448.9	Worker	Scenario 1	6.98E-03	1.41E-05	--
5441	641036.2	4165448.9	Worker	Scenario 1	6.71E-03	1.36E-05	--
5442	641136.2	4165448.9	Worker	Scenario 1	6.91E-03	1.40E-05	--
5443	641236.2	4165448.9	Worker	Scenario 1	7.21E-03	1.46E-05	--
5444	641336.2	4165448.9	Worker	Scenario 1	7.55E-03	1.53E-05	--
5445	641436.2	4165448.9	Worker	Scenario 1	8.14E-03	1.64E-05	--
5446	641536.2	4165448.9	Worker	Scenario 1	9.99E-03	2.02E-05	--
5447	641636.2	4165448.9	Worker	Scenario 1	9.59E-03	1.94E-05	--
5448	641736.2	4165448.9	Worker	Scenario 1	9.20E-03	1.86E-05	--
5449	641836.2	4165448.9	Worker	Scenario 1	9.86E-03	1.99E-05	--
5450	641936.2	4165448.9	Worker	Scenario 1	1.02E-02	2.07E-05	--
5451	642036.2	4165448.9	Worker	Scenario 1	1.10E-02	2.21E-05	--
5452	642136.2	4165448.9	Worker	Scenario 1	1.14E-02	2.30E-05	--
5453	642236.2	4165448.9	Worker	Scenario 1	1.41E-02	2.85E-05	--
5454	642336.2	4165448.9	Worker	Scenario 1	1.68E-02	3.40E-05	--
5455	642436.2	4165448.9	Worker	Scenario 1	1.41E-02	2.85E-05	--
5456	642536.2	4165448.9	Worker	Scenario 1	1.46E-02	2.94E-05	--
5457	642636.2	4165448.9	Worker	Scenario 1	1.71E-02	3.46E-05	--
5458	642736.2	4165448.9	Worker	Scenario 1	1.57E-02	3.17E-05	--
5459	642836.2	4165448.9	Worker	Scenario 1	2.26E-02	4.56E-05	--
5460	642936.2	4165448.9	Worker	Scenario 1	2.31E-02	4.66E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5461	643136.2	4165448.9	Worker	Scenario 1	2.81E-02	5.68E-05	--
5462	643236.2	4165448.9	Worker	Scenario 1	3.07E-02	6.19E-05	--
5463	643336.2	4165448.9	Worker	Scenario 1	3.30E-02	6.67E-05	--
5464	643436.2	4165448.9	Worker	Scenario 1	3.44E-02	6.94E-05	--
5465	643536.2	4165448.9	Worker	Scenario 1	3.62E-02	7.32E-05	--
5466	643636.2	4165448.9	Worker	Scenario 1	3.77E-02	7.61E-05	--
5467	643736.2	4165448.9	Worker	Scenario 1	3.90E-02	7.88E-05	--
5468	643836.2	4165448.9	Worker	Scenario 1	4.01E-02	8.11E-05	--
5469	643936.2	4165448.9	Worker	Scenario 1	4.15E-02	8.38E-05	--
5470	644036.2	4165448.9	Worker	Scenario 1	4.29E-02	8.67E-05	--
5471	644136.2	4165448.9	Worker	Scenario 1	4.46E-02	9.00E-05	--
5472	644236.2	4165448.9	Worker	Scenario 1	4.62E-02	9.33E-05	--
5473	644336.2	4165448.9	Worker	Scenario 1	4.80E-02	9.69E-05	--
5474	644436.2	4165448.9	Worker	Scenario 1	5.34E-02	1.08E-04	--
5475	644536.2	4165448.9	Worker	Scenario 1	5.46E-02	1.10E-04	--
5476	644636.2	4165448.9	Worker	Scenario 1	5.12E-02	1.03E-04	--
5477	644736.2	4165448.9	Worker	Scenario 1	5.31E-02	1.07E-04	--
5478	644836.2	4165448.9	Worker	Scenario 1	5.06E-02	1.02E-04	--
5479	644936.2	4165448.9	Worker	Scenario 1	4.97E-02	1.00E-04	--
5480	645036.2	4165448.9	Worker	Scenario 1	5.01E-02	1.01E-04	--
5481	645136.2	4165448.9	Worker	Scenario 1	5.07E-02	1.02E-04	--
5482	645236.2	4165448.9	Worker	Scenario 1	5.12E-02	1.03E-04	--
5483	645336.2	4165448.9	Worker	Scenario 1	5.26E-02	1.06E-04	--
5484	645436.2	4165448.9	Worker	Scenario 1	5.13E-02	1.04E-04	--
5485	645536.2	4165448.9	Worker	Scenario 1	4.91E-02	9.92E-05	--
5486	645636.2	4165448.9	Worker	Scenario 1	4.83E-02	9.75E-05	--
5487	645936.2	4165448.9	Worker	Scenario 1	4.51E-02	9.10E-05	--
5488	646036.2	4165448.9	Worker	Scenario 1	4.50E-02	9.09E-05	--
5489	646136.2	4165448.9	Worker	Scenario 1	4.47E-02	9.02E-05	--
5490	646336.2	4165448.9	Worker	Scenario 1	4.44E-02	8.97E-05	--
5491	646436.2	4165448.9	Worker	Scenario 1	4.43E-02	8.95E-05	--
5492	639436.2	4165548.9	Worker	Scenario 1	4.64E-03	9.36E-06	--
5493	639536.2	4165548.9	Worker	Scenario 1	4.71E-03	9.52E-06	--
5494	639636.2	4165548.9	Worker	Scenario 1	5.02E-03	1.01E-05	--
5495	639736.2	4165548.9	Worker	Scenario 1	4.97E-03	1.00E-05	--
5496	639836.2	4165548.9	Worker	Scenario 1	5.13E-03	1.04E-05	--
5497	639936.2	4165548.9	Worker	Scenario 1	5.45E-03	1.10E-05	--
5498	640036.2	4165548.9	Worker	Scenario 1	5.35E-03	1.08E-05	--
5499	640136.2	4165548.9	Worker	Scenario 1	5.34E-03	1.08E-05	--
5500	640236.2	4165548.9	Worker	Scenario 1	5.53E-03	1.12E-05	--
5501	640336.2	4165548.9	Worker	Scenario 1	5.91E-03	1.19E-05	--
5502	640436.2	4165548.9	Worker	Scenario 1	6.17E-03	1.25E-05	--
5503	640536.2	4165548.9	Worker	Scenario 1	9.09E-03	1.84E-05	--
5504	640636.2	4165548.9	Worker	Scenario 1	7.93E-03	1.60E-05	--
5505	640736.2	4165548.9	Worker	Scenario 1	6.56E-03	1.33E-05	--
5506	640836.2	4165548.9	Worker	Scenario 1	6.86E-03	1.39E-05	--
5507	640936.2	4165548.9	Worker	Scenario 1	7.19E-03	1.45E-05	--
5508	641036.2	4165548.9	Worker	Scenario 1	6.98E-03	1.41E-05	--
5509	641136.2	4165548.9	Worker	Scenario 1	7.24E-03	1.46E-05	--
5510	641236.2	4165548.9	Worker	Scenario 1	7.55E-03	1.52E-05	--
5511	641336.2	4165548.9	Worker	Scenario 1	7.86E-03	1.59E-05	--
5512	641436.2	4165548.9	Worker	Scenario 1	8.33E-03	1.68E-05	--
5513	641536.2	4165548.9	Worker	Scenario 1	9.21E-03	1.86E-05	--
5514	641636.2	4165548.9	Worker	Scenario 1	1.07E-02	2.16E-05	--
5515	641736.2	4165548.9	Worker	Scenario 1	9.83E-03	1.99E-05	--
5516	641836.2	4165548.9	Worker	Scenario 1	1.04E-02	2.09E-05	--
5517	641936.2	4165548.9	Worker	Scenario 1	1.12E-02	2.27E-05	--
5518	642036.2	4165548.9	Worker	Scenario 1	1.18E-02	2.38E-05	--
5519	642136.2	4165548.9	Worker	Scenario 1	1.24E-02	2.51E-05	--
5520	642236.2	4165548.9	Worker	Scenario 1	1.35E-02	2.72E-05	--
5521	642336.2	4165548.9	Worker	Scenario 1	2.34E-02	4.72E-05	--
5522	642436.2	4165548.9	Worker	Scenario 1	1.58E-02	3.19E-05	--
5523	642536.2	4165548.9	Worker	Scenario 1	1.92E-02	3.88E-05	--
5524	642636.2	4165548.9	Worker	Scenario 1	1.79E-02	3.62E-05	--
5525	642736.2	4165548.9	Worker	Scenario 1	2.32E-02	4.70E-05	--
5526	643036.2	4165548.9	Worker	Scenario 1	2.89E-02	5.83E-05	--
5527	643136.2	4165548.9	Worker	Scenario 1	3.11E-02	6.28E-05	--
5528	643236.2	4165548.9	Worker	Scenario 1	3.37E-02	6.81E-05	--
5529	643336.2	4165548.9	Worker	Scenario 1	3.63E-02	7.33E-05	--
5530	643436.2	4165548.9	Worker	Scenario 1	3.79E-02	7.65E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5531	643536.2	4165548.9	Worker	Scenario 1	3.98E-02	8.04E-05	--
5532	643636.2	4165548.9	Worker	Scenario 1	4.14E-02	8.37E-05	--
5533	643736.2	4165548.9	Worker	Scenario 1	4.29E-02	8.66E-05	--
5534	643836.2	4165548.9	Worker	Scenario 1	4.42E-02	8.93E-05	--
5535	643936.2	4165548.9	Worker	Scenario 1	4.57E-02	9.23E-05	--
5536	644036.2	4165548.9	Worker	Scenario 1	4.75E-02	9.60E-05	--
5537	644136.2	4165548.9	Worker	Scenario 1	5.75E-02	1.16E-04	--
5538	644236.2	4165548.9	Worker	Scenario 1	5.99E-02	1.21E-04	--
5539	644336.2	4165548.9	Worker	Scenario 1	6.15E-02	1.24E-04	--
5540	644436.2	4165548.9	Worker	Scenario 1	6.27E-02	1.27E-04	--
5541	644536.2	4165548.9	Worker	Scenario 1	6.07E-02	1.23E-04	--
5542	644636.2	4165548.9	Worker	Scenario 1	5.57E-02	1.13E-04	--
5543	644736.2	4165548.9	Worker	Scenario 1	5.86E-02	1.18E-04	--
5544	644836.2	4165548.9	Worker	Scenario 1	5.85E-02	1.18E-04	--
5545	644936.2	4165548.9	Worker	Scenario 1	5.76E-02	1.16E-04	--
5546	645036.2	4165548.9	Worker	Scenario 1	5.30E-02	1.07E-04	--
5547	645136.2	4165548.9	Worker	Scenario 1	5.23E-02	1.06E-04	--
5548	645236.2	4165548.9	Worker	Scenario 1	5.40E-02	1.09E-04	--
5549	645336.2	4165548.9	Worker	Scenario 1	5.30E-02	1.07E-04	--
5550	645436.2	4165548.9	Worker	Scenario 1	5.29E-02	1.07E-04	--
5551	645536.2	4165548.9	Worker	Scenario 1	5.20E-02	1.05E-04	--
5552	645636.2	4165548.9	Worker	Scenario 1	5.13E-02	1.04E-04	--
5553	645936.2	4165548.9	Worker	Scenario 1	4.84E-02	9.77E-05	--
5554	646036.2	4165548.9	Worker	Scenario 1	4.81E-02	9.72E-05	--
5555	646136.2	4165548.9	Worker	Scenario 1	4.80E-02	9.69E-05	--
5556	646336.2	4165548.9	Worker	Scenario 1	4.77E-02	9.63E-05	--
5557	646436.2	4165548.9	Worker	Scenario 1	4.76E-02	9.61E-05	--
5558	646536.2	4165548.9	Worker	Scenario 1	4.75E-02	9.59E-05	--
5559	639236.2	4165648.9	Worker	Scenario 1	4.76E-03	9.62E-06	--
5560	639336.2	4165648.9	Worker	Scenario 1	5.25E-03	1.06E-05	--
5561	639436.2	4165648.9	Worker	Scenario 1	4.95E-03	1.00E-05	--
5562	639536.2	4165648.9	Worker	Scenario 1	4.77E-03	9.64E-06	--
5563	639636.2	4165648.9	Worker	Scenario 1	5.03E-03	1.02E-05	--
5564	639736.2	4165648.9	Worker	Scenario 1	5.29E-03	1.07E-05	--
5565	639836.2	4165648.9	Worker	Scenario 1	5.57E-03	1.13E-05	--
5566	639936.2	4165648.9	Worker	Scenario 1	5.66E-03	1.14E-05	--
5567	640036.2	4165648.9	Worker	Scenario 1	5.48E-03	1.11E-05	--
5568	640136.2	4165648.9	Worker	Scenario 1	5.59E-03	1.13E-05	--
5569	640236.2	4165648.9	Worker	Scenario 1	5.83E-03	1.18E-05	--
5570	640336.2	4165648.9	Worker	Scenario 1	6.34E-03	1.28E-05	--
5571	640436.2	4165648.9	Worker	Scenario 1	7.35E-03	1.49E-05	--
5572	640536.2	4165648.9	Worker	Scenario 1	8.35E-03	1.69E-05	--
5573	640636.2	4165648.9	Worker	Scenario 1	9.67E-03	1.95E-05	--
5574	640736.2	4165648.9	Worker	Scenario 1	6.66E-03	1.35E-05	--
5575	640836.2	4165648.9	Worker	Scenario 1	6.81E-03	1.38E-05	--
5576	640936.2	4165648.9	Worker	Scenario 1	8.61E-03	1.74E-05	--
5577	641036.2	4165648.9	Worker	Scenario 1	7.60E-03	1.54E-05	--
5578	641136.2	4165648.9	Worker	Scenario 1	7.84E-03	1.58E-05	--
5579	641236.2	4165648.9	Worker	Scenario 1	7.81E-03	1.58E-05	--
5580	641336.2	4165648.9	Worker	Scenario 1	8.48E-03	1.71E-05	--
5581	641436.2	4165648.9	Worker	Scenario 1	8.92E-03	1.80E-05	--
5582	641536.2	4165648.9	Worker	Scenario 1	9.45E-03	1.91E-05	--
5583	641636.2	4165648.9	Worker	Scenario 1	1.31E-02	2.64E-05	--
5584	641736.2	4165648.9	Worker	Scenario 1	1.07E-02	2.17E-05	--
5585	641836.2	4165648.9	Worker	Scenario 1	1.16E-02	2.34E-05	--
5586	641936.2	4165648.9	Worker	Scenario 1	1.30E-02	2.62E-05	--
5587	642036.2	4165648.9	Worker	Scenario 1	1.44E-02	2.91E-05	--
5588	642136.2	4165648.9	Worker	Scenario 1	1.55E-02	3.13E-05	--
5589	642236.2	4165648.9	Worker	Scenario 1	1.46E-02	2.96E-05	--
5590	642336.2	4165648.9	Worker	Scenario 1	1.91E-02	3.86E-05	--
5591	642436.2	4165648.9	Worker	Scenario 1	2.56E-02	5.18E-05	--
5592	642536.2	4165648.9	Worker	Scenario 1	2.25E-02	4.55E-05	--
5593	642636.2	4165648.9	Worker	Scenario 1	2.85E-02	5.76E-05	--
5594	642836.2	4165648.9	Worker	Scenario 1	3.00E-02	6.06E-05	--
5595	642936.2	4165648.9	Worker	Scenario 1	3.02E-02	6.11E-05	--
5596	643036.2	4165648.9	Worker	Scenario 1	3.17E-02	6.40E-05	--
5597	643136.2	4165648.9	Worker	Scenario 1	3.42E-02	6.90E-05	--
5598	643236.2	4165648.9	Worker	Scenario 1	3.71E-02	7.50E-05	--
5599	643336.2	4165648.9	Worker	Scenario 1	3.93E-02	7.94E-05	--
5600	643436.2	4165648.9	Worker	Scenario 1	4.18E-02	8.45E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5601	643536.2	4165648.9	Worker	Scenario 1	4.40E-02	8.88E-05	--
5602	643636.2	4165648.9	Worker	Scenario 1	4.57E-02	9.24E-05	--
5603	643736.2	4165648.9	Worker	Scenario 1	4.74E-02	9.56E-05	--
5604	643836.2	4165648.9	Worker	Scenario 1	5.27E-02	1.06E-04	--
5605	643936.2	4165648.9	Worker	Scenario 1	5.93E-02	1.20E-04	--
5606	644036.2	4165648.9	Worker	Scenario 1	6.07E-02	1.23E-04	--
5607	644136.2	4165648.9	Worker	Scenario 1	6.29E-02	1.27E-04	--
5608	644236.2	4165648.9	Worker	Scenario 1	6.52E-02	1.32E-04	--
5609	644336.2	4165648.9	Worker	Scenario 1	6.64E-02	1.34E-04	--
5610	644436.2	4165648.9	Worker	Scenario 1	6.73E-02	1.36E-04	--
5611	644536.2	4165648.9	Worker	Scenario 1	6.47E-02	1.31E-04	--
5612	644636.2	4165648.9	Worker	Scenario 1	6.05E-02	1.22E-04	--
5613	644736.2	4165648.9	Worker	Scenario 1	6.30E-02	1.27E-04	--
5614	644836.2	4165648.9	Worker	Scenario 1	6.16E-02	1.24E-04	--
5615	644936.2	4165648.9	Worker	Scenario 1	6.10E-02	1.23E-04	--
5616	645036.2	4165648.9	Worker	Scenario 1	6.36E-02	1.28E-04	--
5617	645136.2	4165648.9	Worker	Scenario 1	5.60E-02	1.13E-04	--
5618	645236.2	4165648.9	Worker	Scenario 1	5.48E-02	1.11E-04	--
5619	645336.2	4165648.9	Worker	Scenario 1	5.94E-02	1.20E-04	--
5620	645436.2	4165648.9	Worker	Scenario 1	5.63E-02	1.14E-04	--
5621	645536.2	4165648.9	Worker	Scenario 1	5.72E-02	1.16E-04	--
5622	645836.2	4165648.9	Worker	Scenario 1	5.24E-02	1.06E-04	--
5623	645936.2	4165648.9	Worker	Scenario 1	5.21E-02	1.05E-04	--
5624	646036.2	4165648.9	Worker	Scenario 1	5.20E-02	1.05E-04	--
5625	646136.2	4165648.9	Worker	Scenario 1	5.17E-02	1.05E-04	--
5626	646336.2	4165648.9	Worker	Scenario 1	5.13E-02	1.04E-04	--
5627	646436.2	4165648.9	Worker	Scenario 1	5.12E-02	1.03E-04	--
5628	646536.2	4165648.9	Worker	Scenario 1	5.11E-02	1.03E-04	--
5629	646636.2	4165648.9	Worker	Scenario 1	5.10E-02	1.03E-04	--
5630	639036.2	4165748.9	Worker	Scenario 1	4.40E-03	8.89E-06	--
5631	639136.2	4165748.9	Worker	Scenario 1	4.52E-03	9.13E-06	--
5632	639236.2	4165748.9	Worker	Scenario 1	4.85E-03	9.80E-06	--
5633	639336.2	4165748.9	Worker	Scenario 1	5.66E-03	1.14E-05	--
5634	639436.2	4165748.9	Worker	Scenario 1	5.04E-03	1.02E-05	--
5635	639536.2	4165748.9	Worker	Scenario 1	4.91E-03	9.91E-06	--
5636	639636.2	4165748.9	Worker	Scenario 1	5.05E-03	1.02E-05	--
5637	639736.2	4165748.9	Worker	Scenario 1	5.65E-03	1.14E-05	--
5638	639836.2	4165748.9	Worker	Scenario 1	6.15E-03	1.24E-05	--
5639	639936.2	4165748.9	Worker	Scenario 1	5.87E-03	1.18E-05	--
5640	640036.2	4165748.9	Worker	Scenario 1	5.93E-03	1.20E-05	--
5641	640136.2	4165748.9	Worker	Scenario 1	6.10E-03	1.23E-05	--
5642	640236.2	4165748.9	Worker	Scenario 1	6.03E-03	1.22E-05	--
5643	640336.2	4165748.9	Worker	Scenario 1	6.27E-03	1.27E-05	--
5644	640436.2	4165748.9	Worker	Scenario 1	6.53E-03	1.32E-05	--
5645	640536.2	4165748.9	Worker	Scenario 1	8.30E-03	1.68E-05	--
5646	640636.2	4165748.9	Worker	Scenario 1	1.20E-02	2.43E-05	--
5647	640736.2	4165748.9	Worker	Scenario 1	7.75E-03	1.57E-05	--
5648	640836.2	4165748.9	Worker	Scenario 1	7.20E-03	1.45E-05	--
5649	640936.2	4165748.9	Worker	Scenario 1	7.51E-03	1.52E-05	--
5650	641036.2	4165748.9	Worker	Scenario 1	9.35E-03	1.89E-05	--
5651	641136.2	4165748.9	Worker	Scenario 1	8.53E-03	1.72E-05	--
5652	641236.2	4165748.9	Worker	Scenario 1	8.29E-03	1.68E-05	--
5653	641336.2	4165748.9	Worker	Scenario 1	8.94E-03	1.81E-05	--
5654	641436.2	4165748.9	Worker	Scenario 1	9.75E-03	1.97E-05	--
5655	641536.2	4165748.9	Worker	Scenario 1	1.01E-02	2.04E-05	--
5656	641636.2	4165748.9	Worker	Scenario 1	1.53E-02	3.09E-05	--
5657	641736.2	4165748.9	Worker	Scenario 1	1.18E-02	2.38E-05	--
5658	641836.2	4165748.9	Worker	Scenario 1	1.30E-02	2.63E-05	--
5659	641936.2	4165748.9	Worker	Scenario 1	1.65E-02	3.33E-05	--
5660	642036.2	4165748.9	Worker	Scenario 1	1.79E-02	3.62E-05	--
5661	642136.2	4165748.9	Worker	Scenario 1	1.60E-02	3.23E-05	--
5662	642236.2	4165748.9	Worker	Scenario 1	1.88E-02	3.79E-05	--
5663	642336.2	4165748.9	Worker	Scenario 1	2.51E-02	5.07E-05	--
5664	642436.2	4165748.9	Worker	Scenario 1	3.07E-02	6.19E-05	--
5665	642536.2	4165748.9	Worker	Scenario 1	3.29E-02	6.64E-05	--
5666	642736.2	4165748.9	Worker	Scenario 1	3.34E-02	6.75E-05	--
5667	642836.2	4165748.9	Worker	Scenario 1	3.32E-02	6.71E-05	--
5668	642936.2	4165748.9	Worker	Scenario 1	3.36E-02	6.79E-05	--
5669	643036.2	4165748.9	Worker	Scenario 1	3.50E-02	7.07E-05	--
5670	643136.2	4165748.9	Worker	Scenario 1	3.77E-02	7.62E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5671	643236.2	4165748.9	Worker	Scenario 1	4.11E-02	8.29E-05	--
5672	643336.2	4165748.9	Worker	Scenario 1	4.37E-02	8.82E-05	--
5673	643436.2	4165748.9	Worker	Scenario 1	4.64E-02	9.37E-05	--
5674	643536.2	4165748.9	Worker	Scenario 1	4.92E-02	9.94E-05	--
5675	643636.2	4165748.9	Worker	Scenario 1	5.92E-02	1.20E-04	--
5676	643736.2	4165748.9	Worker	Scenario 1	6.13E-02	1.24E-04	--
5677	643836.2	4165748.9	Worker	Scenario 1	6.34E-02	1.28E-04	--
5678	643936.2	4165748.9	Worker	Scenario 1	6.55E-02	1.32E-04	--
5679	644036.2	4165748.9	Worker	Scenario 1	6.74E-02	1.36E-04	--
5680	644136.2	4165748.9	Worker	Scenario 1	6.90E-02	1.39E-04	--
5681	644236.2	4165748.9	Worker	Scenario 1	7.04E-02	1.42E-04	--
5682	644336.2	4165748.9	Worker	Scenario 1	7.15E-02	1.44E-04	--
5683	644436.2	4165748.9	Worker	Scenario 1	7.27E-02	1.47E-04	--
5684	644536.2	4165748.9	Worker	Scenario 1	6.84E-02	1.38E-04	--
5685	644636.2	4165748.9	Worker	Scenario 1	6.56E-02	1.33E-04	--
5686	644736.2	4165748.9	Worker	Scenario 1	6.79E-02	1.37E-04	--
5687	644836.2	4165748.9	Worker	Scenario 1	6.60E-02	1.33E-04	--
5688	644936.2	4165748.9	Worker	Scenario 1	6.44E-02	1.30E-04	--
5689	645036.2	4165748.9	Worker	Scenario 1	6.86E-02	1.39E-04	--
5690	645136.2	4165748.9	Worker	Scenario 1	6.24E-02	1.26E-04	--
5691	645236.2	4165748.9	Worker	Scenario 1	5.93E-02	1.20E-04	--
5692	645336.2	4165748.9	Worker	Scenario 1	5.78E-02	1.17E-04	--
5693	645736.2	4165748.9	Worker	Scenario 1	5.69E-02	1.15E-04	--
5694	645836.2	4165748.9	Worker	Scenario 1	5.67E-02	1.15E-04	--
5695	645936.2	4165748.9	Worker	Scenario 1	5.65E-02	1.14E-04	--
5696	646036.2	4165748.9	Worker	Scenario 1	5.63E-02	1.14E-04	--
5697	646136.2	4165748.9	Worker	Scenario 1	5.60E-02	1.13E-04	--
5698	646336.2	4165748.9	Worker	Scenario 1	5.55E-02	1.12E-04	--
5699	646436.2	4165748.9	Worker	Scenario 1	5.53E-02	1.12E-04	--
5700	646536.2	4165748.9	Worker	Scenario 1	5.51E-02	1.11E-04	--
5701	646636.2	4165748.9	Worker	Scenario 1	5.49E-02	1.11E-04	--
5702	638936.2	4165848.9	Worker	Scenario 1	4.46E-03	9.02E-06	--
5703	639036.2	4165848.9	Worker	Scenario 1	4.55E-03	9.18E-06	--
5704	639136.2	4165848.9	Worker	Scenario 1	4.71E-03	9.52E-06	--
5705	639236.2	4165848.9	Worker	Scenario 1	4.90E-03	9.89E-06	--
5706	639336.2	4165848.9	Worker	Scenario 1	5.54E-03	1.12E-05	--
5707	639436.2	4165848.9	Worker	Scenario 1	5.64E-03	1.14E-05	--
5708	639536.2	4165848.9	Worker	Scenario 1	5.23E-03	1.06E-05	--
5709	639636.2	4165848.9	Worker	Scenario 1	5.21E-03	1.05E-05	--
5710	639736.2	4165848.9	Worker	Scenario 1	5.42E-03	1.09E-05	--
5711	639836.2	4165848.9	Worker	Scenario 1	5.80E-03	1.17E-05	--
5712	639936.2	4165848.9	Worker	Scenario 1	6.34E-03	1.28E-05	--
5713	640036.2	4165848.9	Worker	Scenario 1	6.89E-03	1.39E-05	--
5714	640136.2	4165848.9	Worker	Scenario 1	6.10E-03	1.23E-05	--
5715	640236.2	4165848.9	Worker	Scenario 1	6.21E-03	1.25E-05	--
5716	640336.2	4165848.9	Worker	Scenario 1	6.46E-03	1.30E-05	--
5717	640436.2	4165848.9	Worker	Scenario 1	6.65E-03	1.34E-05	--
5718	640536.2	4165848.9	Worker	Scenario 1	7.35E-03	1.48E-05	--
5719	640636.2	4165848.9	Worker	Scenario 1	9.95E-03	2.01E-05	--
5720	640736.2	4165848.9	Worker	Scenario 1	1.38E-02	2.78E-05	--
5721	640836.2	4165848.9	Worker	Scenario 1	1.00E-02	2.03E-05	--
5722	640936.2	4165848.9	Worker	Scenario 1	8.72E-03	1.76E-05	--
5723	641036.2	4165848.9	Worker	Scenario 1	8.51E-03	1.72E-05	--
5724	641136.2	4165848.9	Worker	Scenario 1	1.26E-02	2.55E-05	--
5725	641236.2	4165848.9	Worker	Scenario 1	9.88E-03	2.00E-05	--
5726	641336.2	4165848.9	Worker	Scenario 1	9.72E-03	1.96E-05	--
5727	641436.2	4165848.9	Worker	Scenario 1	1.15E-02	2.32E-05	--
5728	641536.2	4165848.9	Worker	Scenario 1	1.13E-02	2.29E-05	--
5729	641636.2	4165848.9	Worker	Scenario 1	1.75E-02	3.53E-05	--
5730	641736.2	4165848.9	Worker	Scenario 1	1.37E-02	2.76E-05	--
5731	641836.2	4165848.9	Worker	Scenario 1	1.53E-02	3.08E-05	--
5732	641936.2	4165848.9	Worker	Scenario 1	1.79E-02	3.62E-05	--
5733	642036.2	4165848.9	Worker	Scenario 1	2.23E-02	4.51E-05	--
5734	642136.2	4165848.9	Worker	Scenario 1	2.66E-02	5.37E-05	--
5735	642236.2	4165848.9	Worker	Scenario 1	3.17E-02	6.40E-05	--
5736	642336.2	4165848.9	Worker	Scenario 1	3.38E-02	6.84E-05	--
5737	642636.2	4165848.9	Worker	Scenario 1	3.68E-02	7.43E-05	--
5738	642736.2	4165848.9	Worker	Scenario 1	3.69E-02	7.46E-05	--
5739	642836.2	4165848.9	Worker	Scenario 1	3.69E-02	7.45E-05	--
5740	642936.2	4165848.9	Worker	Scenario 1	3.74E-02	7.56E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5741	643036.2	4165848.9	Worker	Scenario 1	3.90E-02	7.87E-05	--
5742	643136.2	4165848.9	Worker	Scenario 1	4.12E-02	8.33E-05	--
5743	643236.2	4165848.9	Worker	Scenario 1	4.51E-02	9.11E-05	--
5744	643336.2	4165848.9	Worker	Scenario 1	4.88E-02	9.86E-05	--
5745	643436.2	4165848.9	Worker	Scenario 1	5.55E-02	1.12E-04	--
5746	643536.2	4165848.9	Worker	Scenario 1	6.52E-02	1.32E-04	--
5747	643636.2	4165848.9	Worker	Scenario 1	5.86E-02	1.18E-04	--
5748	643736.2	4165848.9	Worker	Scenario 1	5.93E-02	1.20E-04	--
5749	643836.2	4165848.9	Worker	Scenario 1	6.18E-02	1.25E-04	--
5750	643936.2	4165848.9	Worker	Scenario 1	6.46E-02	1.30E-04	--
5751	644036.2	4165848.9	Worker	Scenario 1	6.74E-02	1.36E-04	--
5752	644136.2	4165848.9	Worker	Scenario 1	6.99E-02	1.41E-04	--
5753	644236.2	4165848.9	Worker	Scenario 1	7.20E-02	1.45E-04	--
5754	644336.2	4165848.9	Worker	Scenario 1	7.33E-02	1.48E-04	--
5755	644436.2	4165848.9	Worker	Scenario 1	7.35E-02	1.48E-04	--
5756	644536.2	4165848.9	Worker	Scenario 1	7.25E-02	1.47E-04	--
5757	644636.2	4165848.9	Worker	Scenario 1	7.11E-02	1.44E-04	--
5758	644736.2	4165848.9	Worker	Scenario 1	7.27E-02	1.47E-04	--
5759	644836.2	4165848.9	Worker	Scenario 1	7.11E-02	1.44E-04	--
5760	644936.2	4165848.9	Worker	Scenario 1	7.44E-02	1.50E-04	--
5761	645036.2	4165848.9	Worker	Scenario 1	6.87E-02	1.39E-04	--
5762	645436.2	4165848.9	Worker	Scenario 1	6.27E-02	1.27E-04	--
5763	645536.2	4165848.9	Worker	Scenario 1	6.25E-02	1.26E-04	--
5764	645636.2	4165848.9	Worker	Scenario 1	6.21E-02	1.25E-04	--
5765	645736.2	4165848.9	Worker	Scenario 1	6.19E-02	1.25E-04	--
5766	645836.2	4165848.9	Worker	Scenario 1	6.17E-02	1.25E-04	--
5767	645936.2	4165848.9	Worker	Scenario 1	6.15E-02	1.24E-04	--
5768	646036.2	4165848.9	Worker	Scenario 1	6.12E-02	1.24E-04	--
5769	646136.2	4165848.9	Worker	Scenario 1	6.09E-02	1.23E-04	--
5770	646336.2	4165848.9	Worker	Scenario 1	6.02E-02	1.22E-04	--
5771	646436.2	4165848.9	Worker	Scenario 1	5.98E-02	1.21E-04	--
5772	646536.2	4165848.9	Worker	Scenario 1	5.95E-02	1.20E-04	--
5773	646636.2	4165848.9	Worker	Scenario 1	5.92E-02	1.20E-04	--
5774	646736.2	4165848.9	Worker	Scenario 1	5.88E-02	1.19E-04	--
5775	638736.2	4165948.9	Worker	Scenario 1	4.50E-03	9.09E-06	--
5776	638836.2	4165948.9	Worker	Scenario 1	4.97E-03	1.00E-05	--
5777	638936.2	4165948.9	Worker	Scenario 1	4.76E-03	9.62E-06	--
5778	639036.2	4165948.9	Worker	Scenario 1	4.82E-03	9.74E-06	--
5779	639136.2	4165948.9	Worker	Scenario 1	4.99E-03	1.01E-05	--
5780	639236.2	4165948.9	Worker	Scenario 1	5.09E-03	1.03E-05	--
5781	639336.2	4165948.9	Worker	Scenario 1	5.70E-03	1.15E-05	--
5782	639436.2	4165948.9	Worker	Scenario 1	5.78E-03	1.17E-05	--
5783	639536.2	4165948.9	Worker	Scenario 1	5.24E-03	1.06E-05	--
5784	639636.2	4165948.9	Worker	Scenario 1	5.47E-03	1.10E-05	--
5785	639736.2	4165948.9	Worker	Scenario 1	5.63E-03	1.14E-05	--
5786	639836.2	4165948.9	Worker	Scenario 1	5.83E-03	1.18E-05	--
5787	639936.2	4165948.9	Worker	Scenario 1	6.06E-03	1.22E-05	--
5788	640036.2	4165948.9	Worker	Scenario 1	7.39E-03	1.49E-05	--
5789	640136.2	4165948.9	Worker	Scenario 1	6.49E-03	1.31E-05	--
5790	640236.2	4165948.9	Worker	Scenario 1	6.68E-03	1.35E-05	--
5791	640336.2	4165948.9	Worker	Scenario 1	6.99E-03	1.41E-05	--
5792	640436.2	4165948.9	Worker	Scenario 1	7.37E-03	1.49E-05	--
5793	640536.2	4165948.9	Worker	Scenario 1	8.27E-03	1.67E-05	--
5794	640636.2	4165948.9	Worker	Scenario 1	9.66E-03	1.95E-05	--
5795	640736.2	4165948.9	Worker	Scenario 1	1.16E-02	2.34E-05	--
5796	640836.2	4165948.9	Worker	Scenario 1	1.56E-02	3.15E-05	--
5797	640936.2	4165948.9	Worker	Scenario 1	1.61E-02	3.26E-05	--
5798	641036.2	4165948.9	Worker	Scenario 1	1.51E-02	3.06E-05	--
5799	641136.2	4165948.9	Worker	Scenario 1	1.04E-02	2.10E-05	--
5800	641236.2	4165948.9	Worker	Scenario 1	1.14E-02	2.31E-05	--
5801	641336.2	4165948.9	Worker	Scenario 1	1.16E-02	2.33E-05	--
5802	641436.2	4165948.9	Worker	Scenario 1	1.49E-02	3.01E-05	--
5803	641536.2	4165948.9	Worker	Scenario 1	1.56E-02	3.16E-05	--
5804	641636.2	4165948.9	Worker	Scenario 1	1.95E-02	3.93E-05	--
5805	641736.2	4165948.9	Worker	Scenario 1	2.10E-02	4.25E-05	--
5806	641836.2	4165948.9	Worker	Scenario 1	2.48E-02	5.00E-05	--
5807	642136.2	4165948.9	Worker	Scenario 1	3.41E-02	6.89E-05	--
5808	642236.2	4165948.9	Worker	Scenario 1	3.57E-02	7.21E-05	--
5809	642436.2	4165948.9	Worker	Scenario 1	3.83E-02	7.74E-05	--
5810	642536.2	4165948.9	Worker	Scenario 1	3.95E-02	7.98E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5811	642636.2	4165948.9	Worker	Scenario 1	4.05E-02	8.17E-05	--
5812	642736.2	4165948.9	Worker	Scenario 1	4.09E-02	8.26E-05	--
5813	642836.2	4165948.9	Worker	Scenario 1	4.11E-02	8.30E-05	--
5814	642936.2	4165948.9	Worker	Scenario 1	4.18E-02	8.44E-05	--
5815	643036.2	4165948.9	Worker	Scenario 1	4.32E-02	8.72E-05	--
5816	643136.2	4165948.9	Worker	Scenario 1	4.65E-02	9.39E-05	--
5817	643236.2	4165948.9	Worker	Scenario 1	5.06E-02	1.02E-04	--
5818	643336.2	4165948.9	Worker	Scenario 1	5.84E-02	1.18E-04	--
5819	643436.2	4165948.9	Worker	Scenario 1	6.51E-02	1.32E-04	--
5820	643536.2	4165948.9	Worker	Scenario 1	6.16E-02	1.25E-04	--
5821	643636.2	4165948.9	Worker	Scenario 1	6.46E-02	1.30E-04	--
5822	643736.2	4165948.9	Worker	Scenario 1	6.74E-02	1.36E-04	--
5823	643836.2	4165948.9	Worker	Scenario 1	7.04E-02	1.42E-04	--
5824	643936.2	4165948.9	Worker	Scenario 1	7.37E-02	1.49E-04	--
5825	644036.2	4165948.9	Worker	Scenario 1	7.68E-02	1.55E-04	--
5826	644136.2	4165948.9	Worker	Scenario 1	7.92E-02	1.60E-04	--
5827	644236.2	4165948.9	Worker	Scenario 1	8.08E-02	1.63E-04	--
5828	644336.2	4165948.9	Worker	Scenario 1	8.12E-02	1.64E-04	--
5829	644436.2	4165948.9	Worker	Scenario 1	7.97E-02	1.61E-04	--
5830	644536.2	4165948.9	Worker	Scenario 1	7.83E-02	1.58E-04	--
5831	644636.2	4165948.9	Worker	Scenario 1	7.72E-02	1.56E-04	--
5832	644736.2	4165948.9	Worker	Scenario 1	7.59E-02	1.53E-04	--
5833	645236.2	4165948.9	Worker	Scenario 1	7.01E-02	1.41E-04	--
5834	645336.2	4165948.9	Worker	Scenario 1	6.95E-02	1.40E-04	--
5835	645436.2	4165948.9	Worker	Scenario 1	6.87E-02	1.39E-04	--
5836	645536.2	4165948.9	Worker	Scenario 1	6.83E-02	1.38E-04	--
5837	645636.2	4165948.9	Worker	Scenario 1	6.80E-02	1.37E-04	--
5838	645736.2	4165948.9	Worker	Scenario 1	6.77E-02	1.37E-04	--
5839	645836.2	4165948.9	Worker	Scenario 1	6.75E-02	1.36E-04	--
5840	645936.2	4165948.9	Worker	Scenario 1	6.72E-02	1.36E-04	--
5841	646036.2	4165948.9	Worker	Scenario 1	6.68E-02	1.35E-04	--
5842	646136.2	4165948.9	Worker	Scenario 1	6.64E-02	1.34E-04	--
5843	646336.2	4165948.9	Worker	Scenario 1	6.55E-02	1.32E-04	--
5844	646436.2	4165948.9	Worker	Scenario 1	6.49E-02	1.31E-04	--
5845	646536.2	4165948.9	Worker	Scenario 1	6.44E-02	1.30E-04	--
5846	646636.2	4165948.9	Worker	Scenario 1	6.39E-02	1.29E-04	--
5847	646736.2	4165948.9	Worker	Scenario 1	6.33E-02	1.28E-04	--
5848	638536.2	4166048.9	Worker	Scenario 1	5.17E-03	1.04E-05	--
5849	638636.2	4166048.9	Worker	Scenario 1	4.72E-03	9.53E-06	--
5850	638736.2	4166048.9	Worker	Scenario 1	4.63E-03	9.36E-06	--
5851	638836.2	4166048.9	Worker	Scenario 1	5.05E-03	1.02E-05	--
5852	638936.2	4166048.9	Worker	Scenario 1	5.18E-03	1.05E-05	--
5853	639036.2	4166048.9	Worker	Scenario 1	5.07E-03	1.02E-05	--
5854	639136.2	4166048.9	Worker	Scenario 1	5.10E-03	1.03E-05	--
5855	639236.2	4166048.9	Worker	Scenario 1	5.27E-03	1.06E-05	--
5856	639336.2	4166048.9	Worker	Scenario 1	5.96E-03	1.20E-05	--
5857	639436.2	4166048.9	Worker	Scenario 1	5.94E-03	1.20E-05	--
5858	639536.2	4166048.9	Worker	Scenario 1	5.43E-03	1.10E-05	--
5859	639636.2	4166048.9	Worker	Scenario 1	5.69E-03	1.15E-05	--
5860	639736.2	4166048.9	Worker	Scenario 1	5.81E-03	1.17E-05	--
5861	639836.2	4166048.9	Worker	Scenario 1	6.09E-03	1.23E-05	--
5862	639936.2	4166048.9	Worker	Scenario 1	6.30E-03	1.27E-05	--
5863	640036.2	4166048.9	Worker	Scenario 1	6.55E-03	1.32E-05	--
5864	640136.2	4166048.9	Worker	Scenario 1	8.74E-03	1.77E-05	--
5865	640236.2	4166048.9	Worker	Scenario 1	7.56E-03	1.53E-05	--
5866	640336.2	4166048.9	Worker	Scenario 1	7.57E-03	1.53E-05	--
5867	640436.2	4166048.9	Worker	Scenario 1	7.86E-03	1.59E-05	--
5868	640536.2	4166048.9	Worker	Scenario 1	8.08E-03	1.63E-05	--
5869	640636.2	4166048.9	Worker	Scenario 1	9.28E-03	1.87E-05	--
5870	640736.2	4166048.9	Worker	Scenario 1	1.09E-02	2.20E-05	--
5871	640836.2	4166048.9	Worker	Scenario 1	1.37E-02	2.77E-05	--
5872	640936.2	4166048.9	Worker	Scenario 1	1.54E-02	3.11E-05	--
5873	641036.2	4166048.9	Worker	Scenario 1	1.95E-02	3.95E-05	--
5874	641136.2	4166048.9	Worker	Scenario 1	1.52E-02	3.06E-05	--
5875	641236.2	4166048.9	Worker	Scenario 1	1.73E-02	3.49E-05	--
5876	641336.2	4166048.9	Worker	Scenario 1	1.98E-02	3.99E-05	--
5877	641436.2	4166048.9	Worker	Scenario 1	2.19E-02	4.41E-05	--
5878	641636.2	4166048.9	Worker	Scenario 1	2.70E-02	5.46E-05	--
5879	641736.2	4166048.9	Worker	Scenario 1	2.83E-02	5.72E-05	--
5880	641836.2	4166048.9	Worker	Scenario 1	3.16E-02	6.38E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5881	641936.2	4166048.9	Worker	Scenario 1	3.38E-02	6.82E-05	--
5882	642036.2	4166048.9	Worker	Scenario 1	3.54E-02	7.15E-05	--
5883	642136.2	4166048.9	Worker	Scenario 1	3.70E-02	7.47E-05	--
5884	642336.2	4166048.9	Worker	Scenario 1	4.03E-02	8.14E-05	--
5885	642436.2	4166048.9	Worker	Scenario 1	4.19E-02	8.47E-05	--
5886	642536.2	4166048.9	Worker	Scenario 1	4.35E-02	8.79E-05	--
5887	642636.2	4166048.9	Worker	Scenario 1	4.48E-02	9.05E-05	--
5888	642736.2	4166048.9	Worker	Scenario 1	4.56E-02	9.20E-05	--
5889	642836.2	4166048.9	Worker	Scenario 1	4.55E-02	9.19E-05	--
5890	642936.2	4166048.9	Worker	Scenario 1	4.66E-02	9.42E-05	--
5891	643036.2	4166048.9	Worker	Scenario 1	4.89E-02	9.88E-05	--
5892	643136.2	4166048.9	Worker	Scenario 1	5.26E-02	1.06E-04	--
5893	643236.2	4166048.9	Worker	Scenario 1	5.79E-02	1.17E-04	--
5894	643336.2	4166048.9	Worker	Scenario 1	6.27E-02	1.27E-04	--
5895	643436.2	4166048.9	Worker	Scenario 1	6.66E-02	1.35E-04	--
5896	643536.2	4166048.9	Worker	Scenario 1	7.04E-02	1.42E-04	--
5897	643636.2	4166048.9	Worker	Scenario 1	7.40E-02	1.49E-04	--
5898	643736.2	4166048.9	Worker	Scenario 1	7.78E-02	1.57E-04	--
5899	643836.2	4166048.9	Worker	Scenario 1	8.10E-02	1.64E-04	--
5900	643936.2	4166048.9	Worker	Scenario 1	8.48E-02	1.71E-04	--
5901	644036.2	4166048.9	Worker	Scenario 1	8.79E-02	1.78E-04	--
5902	644136.2	4166048.9	Worker	Scenario 1	9.00E-02	1.82E-04	--
5903	644236.2	4166048.9	Worker	Scenario 1	9.06E-02	1.83E-04	--
5904	644336.2	4166048.9	Worker	Scenario 1	9.02E-02	1.82E-04	--
5905	644936.2	4166048.9	Worker	Scenario 1	8.00E-02	1.61E-04	--
5906	645036.2	4166048.9	Worker	Scenario 1	7.90E-02	1.59E-04	--
5907	645136.2	4166048.9	Worker	Scenario 1	7.80E-02	1.57E-04	--
5908	645236.2	4166048.9	Worker	Scenario 1	7.70E-02	1.56E-04	--
5909	645336.2	4166048.9	Worker	Scenario 1	7.66E-02	1.55E-04	--
5910	645436.2	4166048.9	Worker	Scenario 1	7.55E-02	1.53E-04	--
5911	645536.2	4166048.9	Worker	Scenario 1	7.52E-02	1.52E-04	--
5912	645636.2	4166048.9	Worker	Scenario 1	7.49E-02	1.51E-04	--
5913	645736.2	4166048.9	Worker	Scenario 1	7.45E-02	1.50E-04	--
5914	645836.2	4166048.9	Worker	Scenario 1	7.41E-02	1.50E-04	--
5915	645936.2	4166048.9	Worker	Scenario 1	7.37E-02	1.49E-04	--
5916	646036.2	4166048.9	Worker	Scenario 1	7.32E-02	1.48E-04	--
5917	646136.2	4166048.9	Worker	Scenario 1	7.27E-02	1.47E-04	--
5918	646336.2	4166048.9	Worker	Scenario 1	7.14E-02	1.44E-04	--
5919	646436.2	4166048.9	Worker	Scenario 1	7.06E-02	1.43E-04	--
5920	646536.2	4166048.9	Worker	Scenario 1	6.98E-02	1.41E-04	--
5921	646636.2	4166048.9	Worker	Scenario 1	6.91E-02	1.39E-04	--
5922	646736.2	4166048.9	Worker	Scenario 1	6.83E-02	1.38E-04	--
5923	646836.2	4166048.9	Worker	Scenario 1	6.73E-02	1.36E-04	--
5924	638436.2	4166148.9	Worker	Scenario 1	4.88E-03	9.86E-06	--
5925	638536.2	4166148.9	Worker	Scenario 1	5.08E-03	1.03E-05	--
5926	638636.2	4166148.9	Worker	Scenario 1	4.81E-03	9.72E-06	--
5927	638736.2	4166148.9	Worker	Scenario 1	4.79E-03	9.67E-06	--
5928	638836.2	4166148.9	Worker	Scenario 1	5.07E-03	1.02E-05	--
5929	638936.2	4166148.9	Worker	Scenario 1	5.61E-03	1.13E-05	--
5930	639036.2	4166148.9	Worker	Scenario 1	5.48E-03	1.11E-05	--
5931	639136.2	4166148.9	Worker	Scenario 1	5.21E-03	1.05E-05	--
5932	639236.2	4166148.9	Worker	Scenario 1	5.39E-03	1.09E-05	--
5933	639336.2	4166148.9	Worker	Scenario 1	5.88E-03	1.19E-05	--
5934	639436.2	4166148.9	Worker	Scenario 1	6.65E-03	1.34E-05	--
5935	639536.2	4166148.9	Worker	Scenario 1	5.90E-03	1.19E-05	--
5936	639636.2	4166148.9	Worker	Scenario 1	6.30E-03	1.27E-05	--
5937	639736.2	4166148.9	Worker	Scenario 1	6.29E-03	1.27E-05	--
5938	639836.2	4166148.9	Worker	Scenario 1	6.64E-03	1.34E-05	--
5939	639936.2	4166148.9	Worker	Scenario 1	7.21E-03	1.46E-05	--
5940	640036.2	4166148.9	Worker	Scenario 1	7.36E-03	1.49E-05	--
5941	640136.2	4166148.9	Worker	Scenario 1	9.10E-03	1.84E-05	--
5942	640236.2	4166148.9	Worker	Scenario 1	8.75E-03	1.77E-05	--
5943	640336.2	4166148.9	Worker	Scenario 1	7.82E-03	1.58E-05	--
5944	640436.2	4166148.9	Worker	Scenario 1	9.21E-03	1.86E-05	--
5945	640536.2	4166148.9	Worker	Scenario 1	9.00E-03	1.82E-05	--
5946	640636.2	4166148.9	Worker	Scenario 1	1.02E-02	2.06E-05	--
5947	640736.2	4166148.9	Worker	Scenario 1	1.20E-02	2.41E-05	--
5948	640836.2	4166148.9	Worker	Scenario 1	1.51E-02	3.05E-05	--
5949	640936.2	4166148.9	Worker	Scenario 1	1.83E-02	3.70E-05	--
5950	641036.2	4166148.9	Worker	Scenario 1	2.08E-02	4.20E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5951	641136.2	4166148.9	Worker	Scenario 1	2.32E-02	4.68E-05	--
5952	641236.2	4166148.9	Worker	Scenario 1	2.32E-02	4.69E-05	--
5953	641336.2	4166148.9	Worker	Scenario 1	2.56E-02	5.17E-05	--
5954	641436.2	4166148.9	Worker	Scenario 1	2.83E-02	5.71E-05	--
5955	641536.2	4166148.9	Worker	Scenario 1	3.08E-02	6.23E-05	--
5956	641636.2	4166148.9	Worker	Scenario 1	3.24E-02	6.55E-05	--
5957	641736.2	4166148.9	Worker	Scenario 1	3.36E-02	6.78E-05	--
5958	641836.2	4166148.9	Worker	Scenario 1	3.57E-02	7.22E-05	--
5959	641936.2	4166148.9	Worker	Scenario 1	3.76E-02	7.59E-05	--
5960	642236.2	4166148.9	Worker	Scenario 1	4.22E-02	8.53E-05	--
5961	642336.2	4166148.9	Worker	Scenario 1	4.42E-02	8.92E-05	--
5962	642436.2	4166148.9	Worker	Scenario 1	4.62E-02	9.32E-05	--
5963	642536.2	4166148.9	Worker	Scenario 1	4.83E-02	9.75E-05	--
5964	642636.2	4166148.9	Worker	Scenario 1	5.01E-02	1.01E-04	--
5965	642736.2	4166148.9	Worker	Scenario 1	5.07E-02	1.02E-04	--
5966	642836.2	4166148.9	Worker	Scenario 1	5.15E-02	1.04E-04	--
5967	642936.2	4166148.9	Worker	Scenario 1	5.31E-02	1.07E-04	--
5968	643036.2	4166148.9	Worker	Scenario 1	5.58E-02	1.13E-04	--
5969	644536.2	4166148.9	Worker	Scenario 1	9.49E-02	1.92E-04	--
5970	644636.2	4166148.9	Worker	Scenario 1	9.31E-02	1.88E-04	--
5971	644736.2	4166148.9	Worker	Scenario 1	9.12E-02	1.84E-04	--
5972	644836.2	4166148.9	Worker	Scenario 1	8.97E-02	1.81E-04	--
5973	644936.2	4166148.9	Worker	Scenario 1	8.85E-02	1.79E-04	--
5974	645036.2	4166148.9	Worker	Scenario 1	8.75E-02	1.77E-04	--
5975	645136.2	4166148.9	Worker	Scenario 1	8.65E-02	1.75E-04	--
5976	645236.2	4166148.9	Worker	Scenario 1	8.55E-02	1.73E-04	--
5977	645336.2	4166148.9	Worker	Scenario 1	8.51E-02	1.72E-04	--
5978	645436.2	4166148.9	Worker	Scenario 1	8.37E-02	1.69E-04	--
5979	645536.2	4166148.9	Worker	Scenario 1	8.33E-02	1.68E-04	--
5980	645636.2	4166148.9	Worker	Scenario 1	8.28E-02	1.67E-04	--
5981	645736.2	4166148.9	Worker	Scenario 1	8.23E-02	1.66E-04	--
5982	645836.2	4166148.9	Worker	Scenario 1	8.18E-02	1.65E-04	--
5983	645936.2	4166148.9	Worker	Scenario 1	8.12E-02	1.64E-04	--
5984	646036.2	4166148.9	Worker	Scenario 1	8.04E-02	1.62E-04	--
5985	646136.2	4166148.9	Worker	Scenario 1	7.96E-02	1.61E-04	--
5986	646336.2	4166148.9	Worker	Scenario 1	7.78E-02	1.57E-04	--
5987	646436.2	4166148.9	Worker	Scenario 1	7.68E-02	1.55E-04	--
5988	646536.2	4166148.9	Worker	Scenario 1	7.57E-02	1.53E-04	--
5989	646636.2	4166148.9	Worker	Scenario 1	7.46E-02	1.51E-04	--
5990	646736.2	4166148.9	Worker	Scenario 1	7.34E-02	1.48E-04	--
5991	646836.2	4166148.9	Worker	Scenario 1	7.19E-02	1.45E-04	--
5992	638236.2	4166248.9	Worker	Scenario 1	4.79E-03	9.68E-06	--
5993	638336.2	4166248.9	Worker	Scenario 1	5.32E-03	1.07E-05	--
5994	638436.2	4166248.9	Worker	Scenario 1	5.32E-03	1.07E-05	--
5995	638536.2	4166248.9	Worker	Scenario 1	5.15E-03	1.04E-05	--
5996	638636.2	4166248.9	Worker	Scenario 1	4.92E-03	9.94E-06	--
5997	638736.2	4166248.9	Worker	Scenario 1	5.00E-03	1.01E-05	--
5998	638836.2	4166248.9	Worker	Scenario 1	5.65E-03	1.14E-05	--
5999	638936.2	4166248.9	Worker	Scenario 1	5.52E-03	1.12E-05	--
6000	639036.2	4166248.9	Worker	Scenario 1	5.33E-03	1.08E-05	--
6001	639136.2	4166248.9	Worker	Scenario 1	5.46E-03	1.10E-05	--
6002	639236.2	4166248.9	Worker	Scenario 1	5.84E-03	1.18E-05	--
6003	639336.2	4166248.9	Worker	Scenario 1	5.95E-03	1.20E-05	--
6004	639436.2	4166248.9	Worker	Scenario 1	8.33E-03	1.68E-05	--
6005	639536.2	4166248.9	Worker	Scenario 1	6.51E-03	1.31E-05	--
6006	639636.2	4166248.9	Worker	Scenario 1	7.16E-03	1.45E-05	--
6007	639736.2	4166248.9	Worker	Scenario 1	7.26E-03	1.47E-05	--
6008	639836.2	4166248.9	Worker	Scenario 1	8.21E-03	1.66E-05	--
6009	639936.2	4166248.9	Worker	Scenario 1	8.73E-03	1.76E-05	--
6010	640036.2	4166248.9	Worker	Scenario 1	7.88E-03	1.59E-05	--
6011	640136.2	4166248.9	Worker	Scenario 1	8.62E-03	1.74E-05	--
6012	640236.2	4166248.9	Worker	Scenario 1	9.67E-03	1.95E-05	--
6013	640336.2	4166248.9	Worker	Scenario 1	9.92E-03	2.00E-05	--
6014	640436.2	4166248.9	Worker	Scenario 1	1.21E-02	2.45E-05	--
6015	640536.2	4166248.9	Worker	Scenario 1	1.35E-02	2.73E-05	--
6016	640636.2	4166248.9	Worker	Scenario 1	1.67E-02	3.38E-05	--
6017	640736.2	4166248.9	Worker	Scenario 1	1.97E-02	3.98E-05	--
6018	640836.2	4166248.9	Worker	Scenario 1	2.19E-02	4.42E-05	--
6019	640936.2	4166248.9	Worker	Scenario 1	2.30E-02	4.65E-05	--
6020	641036.2	4166248.9	Worker	Scenario 1	2.42E-02	4.89E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6021	641136.2	4166248.9	Worker	Scenario 1	2.62E-02	5.30E-05	--
6022	641236.2	4166248.9	Worker	Scenario 1	2.76E-02	5.57E-05	--
6023	641336.2	4166248.9	Worker	Scenario 1	2.97E-02	6.00E-05	--
6024	641436.2	4166248.9	Worker	Scenario 1	3.29E-02	6.65E-05	--
6025	641536.2	4166248.9	Worker	Scenario 1	3.64E-02	7.35E-05	--
6026	641636.2	4166248.9	Worker	Scenario 1	3.87E-02	7.82E-05	--
6027	641736.2	4166248.9	Worker	Scenario 1	3.96E-02	8.00E-05	--
6028	641836.2	4166248.9	Worker	Scenario 1	4.07E-02	8.21E-05	--
6029	641936.2	4166248.9	Worker	Scenario 1	4.19E-02	8.47E-05	--
6030	642036.2	4166248.9	Worker	Scenario 1	4.35E-02	8.78E-05	--
6031	642136.2	4166248.9	Worker	Scenario 1	4.50E-02	9.09E-05	--
6032	642236.2	4166248.9	Worker	Scenario 1	4.69E-02	9.46E-05	--
6033	642336.2	4166248.9	Worker	Scenario 1	4.90E-02	9.89E-05	--
6034	642436.2	4166248.9	Worker	Scenario 1	5.14E-02	1.04E-04	--
6035	642536.2	4166248.9	Worker	Scenario 1	5.32E-02	1.07E-04	--
6036	642636.2	4166248.9	Worker	Scenario 1	5.59E-02	1.13E-04	--
6037	642736.2	4166248.9	Worker	Scenario 1	5.80E-02	1.17E-04	--
6038	642836.2	4166248.9	Worker	Scenario 1	5.93E-02	1.20E-04	--
6039	642936.2	4166248.9	Worker	Scenario 1	6.08E-02	1.23E-04	--
6040	644236.2	4166248.9	Worker	Scenario 1	1.15E-01	2.32E-04	--
6041	644336.2	4166248.9	Worker	Scenario 1	1.16E-01	2.34E-04	--
6042	644436.2	4166248.9	Worker	Scenario 1	1.13E-01	2.27E-04	--
6043	644536.2	4166248.9	Worker	Scenario 1	1.09E-01	2.21E-04	--
6044	644636.2	4166248.9	Worker	Scenario 1	1.03E-01	2.09E-04	--
6045	644736.2	4166248.9	Worker	Scenario 1	1.02E-01	2.05E-04	--
6046	644836.2	4166248.9	Worker	Scenario 1	1.00E-01	2.02E-04	--
6047	644936.2	4166248.9	Worker	Scenario 1	9.90E-02	2.00E-04	--
6048	645036.2	4166248.9	Worker	Scenario 1	9.80E-02	1.98E-04	--
6049	645136.2	4166248.9	Worker	Scenario 1	9.69E-02	1.96E-04	--
6050	645236.2	4166248.9	Worker	Scenario 1	9.57E-02	1.93E-04	--
6051	645336.2	4166248.9	Worker	Scenario 1	9.49E-02	1.92E-04	--
6052	645436.2	4166248.9	Worker	Scenario 1	9.36E-02	1.89E-04	--
6053	645536.2	4166248.9	Worker	Scenario 1	9.29E-02	1.88E-04	--
6054	645636.2	4166248.9	Worker	Scenario 1	9.21E-02	1.86E-04	--
6055	645736.2	4166248.9	Worker	Scenario 1	9.14E-02	1.85E-04	--
6056	645836.2	4166248.9	Worker	Scenario 1	9.06E-02	1.83E-04	--
6057	645936.2	4166248.9	Worker	Scenario 1	8.96E-02	1.81E-04	--
6058	646036.2	4166248.9	Worker	Scenario 1	8.85E-02	1.79E-04	--
6059	646136.2	4166248.9	Worker	Scenario 1	8.74E-02	1.77E-04	--
6060	646336.2	4166248.9	Worker	Scenario 1	8.48E-02	1.71E-04	--
6061	646436.2	4166248.9	Worker	Scenario 1	8.34E-02	1.68E-04	--
6062	646536.2	4166248.9	Worker	Scenario 1	8.19E-02	1.65E-04	--
6063	646636.2	4166248.9	Worker	Scenario 1	8.03E-02	1.62E-04	--
6064	646736.2	4166248.9	Worker	Scenario 1	7.85E-02	1.58E-04	--
6065	646836.2	4166248.9	Worker	Scenario 1	7.67E-02	1.55E-04	--
6066	646936.2	4166248.9	Worker	Scenario 1	7.50E-02	1.51E-04	--
6067	638136.2	4166348.9	Worker	Scenario 1	4.84E-03	9.77E-06	--
6068	638236.2	4166348.9	Worker	Scenario 1	5.45E-03	1.10E-05	--
6069	638336.2	4166348.9	Worker	Scenario 1	5.33E-03	1.08E-05	--
6070	638436.2	4166348.9	Worker	Scenario 1	5.33E-03	1.08E-05	--
6071	638536.2	4166348.9	Worker	Scenario 1	4.93E-03	9.96E-06	--
6072	638636.2	4166348.9	Worker	Scenario 1	5.13E-03	1.04E-05	--
6073	638736.2	4166348.9	Worker	Scenario 1	5.69E-03	1.15E-05	--
6074	638836.2	4166348.9	Worker	Scenario 1	5.86E-03	1.18E-05	--
6075	638936.2	4166348.9	Worker	Scenario 1	5.59E-03	1.13E-05	--
6076	639036.2	4166348.9	Worker	Scenario 1	5.90E-03	1.19E-05	--
6077	639136.2	4166348.9	Worker	Scenario 1	6.10E-03	1.23E-05	--
6078	639236.2	4166348.9	Worker	Scenario 1	6.68E-03	1.35E-05	--
6079	639336.2	4166348.9	Worker	Scenario 1	6.63E-03	1.34E-05	--
6080	639436.2	4166348.9	Worker	Scenario 1	7.62E-03	1.54E-05	--
6081	639536.2	4166348.9	Worker	Scenario 1	9.19E-03	1.86E-05	--
6082	639636.2	4166348.9	Worker	Scenario 1	8.14E-03	1.64E-05	--
6083	639736.2	4166348.9	Worker	Scenario 1	8.00E-03	1.62E-05	--
6084	639836.2	4166348.9	Worker	Scenario 1	1.00E-02	2.03E-05	--
6085	639936.2	4166348.9	Worker	Scenario 1	1.06E-02	2.14E-05	--
6086	640036.2	4166348.9	Worker	Scenario 1	1.11E-02	2.25E-05	--
6087	640136.2	4166348.9	Worker	Scenario 1	1.15E-02	2.32E-05	--
6088	640236.2	4166348.9	Worker	Scenario 1	1.27E-02	2.56E-05	--
6089	640336.2	4166348.9	Worker	Scenario 1	1.46E-02	2.95E-05	--
6090	640436.2	4166348.9	Worker	Scenario 1	1.75E-02	3.54E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6091	640536.2	4166348.9	Worker	Scenario 1	2.00E-02	4.04E-05	--
6092	640636.2	4166348.9	Worker	Scenario 1	2.18E-02	4.41E-05	--
6093	640736.2	4166348.9	Worker	Scenario 1	2.33E-02	4.72E-05	--
6094	640836.2	4166348.9	Worker	Scenario 1	2.42E-02	4.89E-05	--
6095	640936.2	4166348.9	Worker	Scenario 1	2.56E-02	5.17E-05	--
6096	641036.2	4166348.9	Worker	Scenario 1	2.73E-02	5.51E-05	--
6097	641136.2	4166348.9	Worker	Scenario 1	2.99E-02	6.04E-05	--
6098	641236.2	4166348.9	Worker	Scenario 1	3.26E-02	6.58E-05	--
6099	641336.2	4166348.9	Worker	Scenario 1	3.57E-02	7.22E-05	--
6100	641436.2	4166348.9	Worker	Scenario 1	4.05E-02	8.18E-05	--
6101	641536.2	4166348.9	Worker	Scenario 1	4.52E-02	9.13E-05	--
6102	641636.2	4166348.9	Worker	Scenario 1	4.70E-02	9.49E-05	--
6103	641936.2	4166348.9	Worker	Scenario 1	4.79E-02	9.68E-05	--
6104	642036.2	4166348.9	Worker	Scenario 1	4.91E-02	9.91E-05	--
6105	642136.2	4166348.9	Worker	Scenario 1	5.06E-02	1.02E-04	--
6106	642236.2	4166348.9	Worker	Scenario 1	5.16E-02	1.04E-04	--
6107	642336.2	4166348.9	Worker	Scenario 1	5.41E-02	1.09E-04	--
6108	642436.2	4166348.9	Worker	Scenario 1	5.72E-02	1.16E-04	--
6109	642536.2	4166348.9	Worker	Scenario 1	6.07E-02	1.23E-04	--
6110	642636.2	4166348.9	Worker	Scenario 1	6.41E-02	1.29E-04	--
6111	642736.2	4166348.9	Worker	Scenario 1	6.70E-02	1.35E-04	--
6112	642836.2	4166348.9	Worker	Scenario 1	6.89E-02	1.39E-04	--
6113	643036.2	4166348.9	Worker	Scenario 1	7.84E-02	1.58E-04	--
6114	643136.2	4166348.9	Worker	Scenario 1	8.58E-02	1.73E-04	--
6115	643236.2	4166348.9	Worker	Scenario 1	9.39E-02	1.90E-04	--
6116	643336.2	4166348.9	Worker	Scenario 1	1.02E-01	2.06E-04	--
6117	643436.2	4166348.9	Worker	Scenario 1	1.10E-01	2.22E-04	--
6118	643536.2	4166348.9	Worker	Scenario 1	1.15E-01	2.32E-04	--
6119	643636.2	4166348.9	Worker	Scenario 1	1.21E-01	2.44E-04	--
6120	643736.2	4166348.9	Worker	Scenario 1	1.28E-01	2.58E-04	--
6121	643836.2	4166348.9	Worker	Scenario 1	1.33E-01	2.69E-04	--
6122	643936.2	4166348.9	Worker	Scenario 1	1.37E-01	2.76E-04	--
6123	644036.2	4166348.9	Worker	Scenario 1	1.40E-01	2.82E-04	--
6124	644136.2	4166348.9	Worker	Scenario 1	1.37E-01	2.77E-04	--
6125	644236.2	4166348.9	Worker	Scenario 1	1.33E-01	2.69E-04	--
6126	644336.2	4166348.9	Worker	Scenario 1	1.30E-01	2.62E-04	--
6127	644436.2	4166348.9	Worker	Scenario 1	1.26E-01	2.54E-04	--
6128	644536.2	4166348.9	Worker	Scenario 1	1.23E-01	2.48E-04	--
6129	644636.2	4166348.9	Worker	Scenario 1	1.16E-01	2.35E-04	--
6130	644736.2	4166348.9	Worker	Scenario 1	1.15E-01	2.32E-04	--
6131	644836.2	4166348.9	Worker	Scenario 1	1.13E-01	2.29E-04	--
6132	644936.2	4166348.9	Worker	Scenario 1	1.12E-01	2.26E-04	--
6133	645036.2	4166348.9	Worker	Scenario 1	1.11E-01	2.24E-04	--
6134	645136.2	4166348.9	Worker	Scenario 1	1.10E-01	2.21E-04	--
6135	645236.2	4166348.9	Worker	Scenario 1	1.08E-01	2.18E-04	--
6136	645336.2	4166348.9	Worker	Scenario 1	1.07E-01	2.16E-04	--
6137	645436.2	4166348.9	Worker	Scenario 1	1.05E-01	2.13E-04	--
6138	645536.2	4166348.9	Worker	Scenario 1	1.04E-01	2.10E-04	--
6139	645636.2	4166348.9	Worker	Scenario 1	1.03E-01	2.08E-04	--
6140	645736.2	4166348.9	Worker	Scenario 1	1.02E-01	2.06E-04	--
6141	645836.2	4166348.9	Worker	Scenario 1	1.00E-01	2.03E-04	--
6142	645936.2	4166348.9	Worker	Scenario 1	9.90E-02	2.00E-04	--
6143	646036.2	4166348.9	Worker	Scenario 1	9.75E-02	1.97E-04	--
6144	646136.2	4166348.9	Worker	Scenario 1	9.58E-02	1.93E-04	--
6145	646336.2	4166348.9	Worker	Scenario 1	9.22E-02	1.86E-04	--
6146	646436.2	4166348.9	Worker	Scenario 1	9.02E-02	1.82E-04	--
6147	646536.2	4166348.9	Worker	Scenario 1	8.80E-02	1.78E-04	--
6148	646636.2	4166348.9	Worker	Scenario 1	8.57E-02	1.73E-04	--
6149	646736.2	4166348.9	Worker	Scenario 1	8.36E-02	1.69E-04	--
6150	646836.2	4166348.9	Worker	Scenario 1	8.15E-02	1.65E-04	--
6151	637936.2	4166448.9	Worker	Scenario 1	4.43E-03	8.95E-06	--
6152	638036.2	4166448.9	Worker	Scenario 1	4.58E-03	9.26E-06	--
6153	638136.2	4166448.9	Worker	Scenario 1	4.70E-03	9.49E-06	--
6154	638236.2	4166448.9	Worker	Scenario 1	4.87E-03	9.84E-06	--
6155	638336.2	4166448.9	Worker	Scenario 1	6.11E-03	1.23E-05	--
6156	638436.2	4166448.9	Worker	Scenario 1	5.43E-03	1.10E-05	--
6157	638536.2	4166448.9	Worker	Scenario 1	5.07E-03	1.02E-05	--
6158	638636.2	4166448.9	Worker	Scenario 1	5.52E-03	1.11E-05	--
6159	638736.2	4166448.9	Worker	Scenario 1	5.97E-03	1.21E-05	--
6160	638836.2	4166448.9	Worker	Scenario 1	6.20E-03	1.25E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6161	638936.2	4166448.9	Worker	Scenario 1	6.20E-03	1.25E-05	--
6162	639036.2	4166448.9	Worker	Scenario 1	7.38E-03	1.49E-05	--
6163	639136.2	4166448.9	Worker	Scenario 1	6.92E-03	1.40E-05	--
6164	639236.2	4166448.9	Worker	Scenario 1	7.33E-03	1.48E-05	--
6165	639336.2	4166448.9	Worker	Scenario 1	7.91E-03	1.60E-05	--
6166	639436.2	4166448.9	Worker	Scenario 1	8.49E-03	1.72E-05	--
6167	639536.2	4166448.9	Worker	Scenario 1	9.64E-03	1.95E-05	--
6168	639636.2	4166448.9	Worker	Scenario 1	1.07E-02	2.17E-05	--
6169	639736.2	4166448.9	Worker	Scenario 1	1.17E-02	2.37E-05	--
6170	639836.2	4166448.9	Worker	Scenario 1	1.33E-02	2.69E-05	--
6171	639936.2	4166448.9	Worker	Scenario 1	1.46E-02	2.95E-05	--
6172	640036.2	4166448.9	Worker	Scenario 1	1.58E-02	3.18E-05	--
6173	640136.2	4166448.9	Worker	Scenario 1	1.60E-02	3.23E-05	--
6174	640236.2	4166448.9	Worker	Scenario 1	1.60E-02	3.23E-05	--
6175	640336.2	4166448.9	Worker	Scenario 1	1.76E-02	3.55E-05	--
6176	640436.2	4166448.9	Worker	Scenario 1	1.95E-02	3.94E-05	--
6177	640536.2	4166448.9	Worker	Scenario 1	2.16E-02	4.36E-05	--
6178	641436.2	4166448.9	Worker	Scenario 1	5.94E-02	1.20E-04	--
6179	641536.2	4166448.9	Worker	Scenario 1	6.30E-02	1.27E-04	--
6180	641736.2	4166448.9	Worker	Scenario 1	5.80E-02	1.17E-04	--
6181	641836.2	4166448.9	Worker	Scenario 1	5.65E-02	1.14E-04	--
6182	641936.2	4166448.9	Worker	Scenario 1	5.48E-02	1.11E-04	--
6183	642036.2	4166448.9	Worker	Scenario 1	5.53E-02	1.12E-04	--
6184	642136.2	4166448.9	Worker	Scenario 1	5.65E-02	1.14E-04	--
6185	642236.2	4166448.9	Worker	Scenario 1	5.84E-02	1.18E-04	--
6186	642336.2	4166448.9	Worker	Scenario 1	6.09E-02	1.23E-04	--
6187	642436.2	4166448.9	Worker	Scenario 1	6.45E-02	1.30E-04	--
6188	642536.2	4166448.9	Worker	Scenario 1	6.89E-02	1.39E-04	--
6189	642636.2	4166448.9	Worker	Scenario 1	7.41E-02	1.50E-04	--
6190	642936.2	4166448.9	Worker	Scenario 1	8.31E-02	1.68E-04	--
6191	643036.2	4166448.9	Worker	Scenario 1	9.28E-02	1.87E-04	--
6192	643136.2	4166448.9	Worker	Scenario 1	1.00E-01	2.03E-04	--
6193	643236.2	4166448.9	Worker	Scenario 1	1.11E-01	2.24E-04	--
6194	643336.2	4166448.9	Worker	Scenario 1	1.21E-01	2.45E-04	--
6195	643436.2	4166448.9	Worker	Scenario 1	1.32E-01	2.66E-04	--
6196	643536.2	4166448.9	Worker	Scenario 1	1.42E-01	2.86E-04	--
6197	643636.2	4166448.9	Worker	Scenario 1	1.52E-01	3.07E-04	--
6198	643736.2	4166448.9	Worker	Scenario 1	1.59E-01	3.22E-04	--
6199	643836.2	4166448.9	Worker	Scenario 1	1.63E-01	3.30E-04	--
6200	643936.2	4166448.9	Worker	Scenario 1	1.63E-01	3.30E-04	--
6201	644036.2	4166448.9	Worker	Scenario 1	1.60E-01	3.24E-04	--
6202	644136.2	4166448.9	Worker	Scenario 1	1.56E-01	3.14E-04	--
6203	644236.2	4166448.9	Worker	Scenario 1	1.51E-01	3.04E-04	--
6204	644336.2	4166448.9	Worker	Scenario 1	1.46E-01	2.95E-04	--
6205	644436.2	4166448.9	Worker	Scenario 1	1.43E-01	2.88E-04	--
6206	644536.2	4166448.9	Worker	Scenario 1	1.39E-01	2.82E-04	--
6207	644636.2	4166448.9	Worker	Scenario 1	1.33E-01	2.68E-04	--
6208	644736.2	4166448.9	Worker	Scenario 1	1.31E-01	2.65E-04	--
6209	644836.2	4166448.9	Worker	Scenario 1	1.30E-01	2.62E-04	--
6210	644936.2	4166448.9	Worker	Scenario 1	1.28E-01	2.59E-04	--
6211	645036.2	4166448.9	Worker	Scenario 1	1.27E-01	2.56E-04	--
6212	645136.2	4166448.9	Worker	Scenario 1	1.25E-01	2.53E-04	--
6213	645236.2	4166448.9	Worker	Scenario 1	1.23E-01	2.48E-04	--
6214	645336.2	4166448.9	Worker	Scenario 1	1.21E-01	2.45E-04	--
6215	645436.2	4166448.9	Worker	Scenario 1	1.19E-01	2.40E-04	--
6216	645536.2	4166448.9	Worker	Scenario 1	1.17E-01	2.37E-04	--
6217	645636.2	4166448.9	Worker	Scenario 1	1.15E-01	2.33E-04	--
6218	645736.2	4166448.9	Worker	Scenario 1	1.13E-01	2.29E-04	--
6219	645836.2	4166448.9	Worker	Scenario 1	1.11E-01	2.25E-04	--
6220	645936.2	4166448.9	Worker	Scenario 1	1.09E-01	2.21E-04	--
6221	646036.2	4166448.9	Worker	Scenario 1	1.07E-01	2.16E-04	--
6222	646136.2	4166448.9	Worker	Scenario 1	1.05E-01	2.11E-04	--
6223	646336.2	4166448.9	Worker	Scenario 1	9.96E-02	2.01E-04	--
6224	646436.2	4166448.9	Worker	Scenario 1	9.70E-02	1.96E-04	--
6225	646536.2	4166448.9	Worker	Scenario 1	9.40E-02	1.90E-04	--
6226	646636.2	4166448.9	Worker	Scenario 1	9.13E-02	1.84E-04	--
6227	646736.2	4166448.9	Worker	Scenario 1	8.88E-02	1.79E-04	--
6228	646836.2	4166448.9	Worker	Scenario 1	8.65E-02	1.75E-04	--
6229	637736.2	4166548.9	Worker	Scenario 1	4.59E-03	9.27E-06	--
6230	637836.2	4166548.9	Worker	Scenario 1	4.34E-03	8.78E-06	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6231	637936.2	4166548.9	Worker	Scenario 1	4.48E-03	9.04E-06	--
6232	638036.2	4166548.9	Worker	Scenario 1	4.66E-03	9.41E-06	--
6233	638136.2	4166548.9	Worker	Scenario 1	4.95E-03	1.00E-05	--
6234	638236.2	4166548.9	Worker	Scenario 1	5.69E-03	1.15E-05	--
6235	638336.2	4166548.9	Worker	Scenario 1	5.86E-03	1.18E-05	--
6236	638436.2	4166548.9	Worker	Scenario 1	5.99E-03	1.21E-05	--
6237	638536.2	4166548.9	Worker	Scenario 1	5.97E-03	1.21E-05	--
6238	638636.2	4166548.9	Worker	Scenario 1	6.33E-03	1.28E-05	--
6239	638736.2	4166548.9	Worker	Scenario 1	6.65E-03	1.34E-05	--
6240	638836.2	4166548.9	Worker	Scenario 1	7.32E-03	1.48E-05	--
6241	638936.2	4166548.9	Worker	Scenario 1	7.75E-03	1.56E-05	--
6242	639036.2	4166548.9	Worker	Scenario 1	9.01E-03	1.82E-05	--
6243	639136.2	4166548.9	Worker	Scenario 1	1.00E-02	2.02E-05	--
6244	639236.2	4166548.9	Worker	Scenario 1	1.09E-02	2.20E-05	--
6245	639336.2	4166548.9	Worker	Scenario 1	1.01E-02	2.04E-05	--
6246	639436.2	4166548.9	Worker	Scenario 1	1.04E-02	2.11E-05	--
6247	639536.2	4166548.9	Worker	Scenario 1	1.07E-02	2.17E-05	--
6248	639636.2	4166548.9	Worker	Scenario 1	1.21E-02	2.45E-05	--
6249	639736.2	4166548.9	Worker	Scenario 1	1.28E-02	2.59E-05	--
6250	639836.2	4166548.9	Worker	Scenario 1	1.40E-02	2.83E-05	--
6251	639936.2	4166548.9	Worker	Scenario 1	1.55E-02	3.13E-05	--
6252	640036.2	4166548.9	Worker	Scenario 1	1.69E-02	3.42E-05	--
6253	640136.2	4166548.9	Worker	Scenario 1	1.76E-02	3.55E-05	--
6254	640236.2	4166548.9	Worker	Scenario 1	1.81E-02	3.65E-05	--
6255	640336.2	4166548.9	Worker	Scenario 1	1.94E-02	3.92E-05	--
6256	640436.2	4166548.9	Worker	Scenario 1	2.10E-02	4.24E-05	--
6257	640536.2	4166548.9	Worker	Scenario 1	2.29E-02	4.63E-05	--
6258	641636.2	4166548.9	Worker	Scenario 1	8.44E-02	1.70E-04	--
6259	641736.2	4166548.9	Worker	Scenario 1	7.24E-02	1.46E-04	--
6260	641836.2	4166548.9	Worker	Scenario 1	6.72E-02	1.36E-04	--
6261	641936.2	4166548.9	Worker	Scenario 1	6.46E-02	1.31E-04	--
6262	642036.2	4166548.9	Worker	Scenario 1	6.38E-02	1.29E-04	--
6263	642136.2	4166548.9	Worker	Scenario 1	6.45E-02	1.30E-04	--
6264	642236.2	4166548.9	Worker	Scenario 1	6.64E-02	1.34E-04	--
6265	642336.2	4166548.9	Worker	Scenario 1	6.94E-02	1.40E-04	--
6266	642436.2	4166548.9	Worker	Scenario 1	7.37E-02	1.49E-04	--
6267	642536.2	4166548.9	Worker	Scenario 1	7.94E-02	1.60E-04	--
6268	642836.2	4166548.9	Worker	Scenario 1	9.61E-02	1.94E-04	--
6269	642936.2	4166548.9	Worker	Scenario 1	9.89E-02	2.00E-04	--
6270	643036.2	4166548.9	Worker	Scenario 1	1.10E-01	2.22E-04	--
6271	643136.2	4166548.9	Worker	Scenario 1	1.20E-01	2.42E-04	--
6272	643236.2	4166548.9	Worker	Scenario 1	1.33E-01	2.69E-04	--
6273	643336.2	4166548.9	Worker	Scenario 1	1.47E-01	2.97E-04	--
6274	643436.2	4166548.9	Worker	Scenario 1	1.61E-01	3.26E-04	--
6275	643536.2	4166548.9	Worker	Scenario 1	1.75E-01	3.53E-04	--
6276	643636.2	4166548.9	Worker	Scenario 1	1.86E-01	3.77E-04	--
6277	643736.2	4166548.9	Worker	Scenario 1	1.93E-01	3.91E-04	--
6278	643836.2	4166548.9	Worker	Scenario 1	1.94E-01	3.93E-04	--
6279	643936.2	4166548.9	Worker	Scenario 1	1.91E-01	3.85E-04	--
6280	644036.2	4166548.9	Worker	Scenario 1	1.85E-01	3.73E-04	--
6281	644136.2	4166548.9	Worker	Scenario 1	1.78E-01	3.60E-04	--
6282	644236.2	4166548.9	Worker	Scenario 1	1.73E-01	3.49E-04	--
6283	644336.2	4166548.9	Worker	Scenario 1	1.68E-01	3.40E-04	--
6284	644436.2	4166548.9	Worker	Scenario 1	1.64E-01	3.32E-04	--
6285	644536.2	4166548.9	Worker	Scenario 1	1.61E-01	3.25E-04	--
6286	644636.2	4166548.9	Worker	Scenario 1	1.54E-01	3.11E-04	--
6287	644736.2	4166548.9	Worker	Scenario 1	1.52E-01	3.07E-04	--
6288	644836.2	4166548.9	Worker	Scenario 1	1.50E-01	3.03E-04	--
6289	644936.2	4166548.9	Worker	Scenario 1	1.48E-01	3.00E-04	--
6290	645036.2	4166548.9	Worker	Scenario 1	1.46E-01	2.95E-04	--
6291	645136.2	4166548.9	Worker	Scenario 1	1.43E-01	2.90E-04	--
6292	645236.2	4166548.9	Worker	Scenario 1	1.41E-01	2.84E-04	--
6293	645336.2	4166548.9	Worker	Scenario 1	1.38E-01	2.78E-04	--
6294	645436.2	4166548.9	Worker	Scenario 1	1.35E-01	2.72E-04	--
6295	645536.2	4166548.9	Worker	Scenario 1	1.32E-01	2.66E-04	--
6296	645636.2	4166548.9	Worker	Scenario 1	1.29E-01	2.61E-04	--
6297	645736.2	4166548.9	Worker	Scenario 1	1.26E-01	2.55E-04	--
6298	645836.2	4166548.9	Worker	Scenario 1	1.23E-01	2.49E-04	--
6299	645936.2	4166548.9	Worker	Scenario 1	1.20E-01	2.42E-04	--
6300	646036.2	4166548.9	Worker	Scenario 1	1.17E-01	2.36E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6301	646136.2	4166548.9	Worker	Scenario 1	1.14E-01	2.29E-04	--
6302	646336.2	4166548.9	Worker	Scenario 1	1.06E-01	2.15E-04	--
6303	646436.2	4166548.9	Worker	Scenario 1	1.03E-01	2.08E-04	--
6304	646536.2	4166548.9	Worker	Scenario 1	9.98E-02	2.02E-04	--
6305	646636.2	4166548.9	Worker	Scenario 1	9.69E-02	1.96E-04	--
6306	646936.2	4166548.9	Worker	Scenario 1	8.87E-02	1.79E-04	--
6307	637636.2	4166648.9	Worker	Scenario 1	5.27E-03	1.06E-05	--
6308	637736.2	4166648.9	Worker	Scenario 1	5.38E-03	1.09E-05	--
6309	637836.2	4166648.9	Worker	Scenario 1	5.37E-03	1.08E-05	--
6310	637936.2	4166648.9	Worker	Scenario 1	5.34E-03	1.08E-05	--
6311	638036.2	4166648.9	Worker	Scenario 1	6.05E-03	1.22E-05	--
6312	638136.2	4166648.9	Worker	Scenario 1	6.10E-03	1.23E-05	--
6313	638236.2	4166648.9	Worker	Scenario 1	6.45E-03	1.30E-05	--
6314	638336.2	4166648.9	Worker	Scenario 1	6.35E-03	1.28E-05	--
6315	638436.2	4166648.9	Worker	Scenario 1	6.92E-03	1.40E-05	--
6316	638536.2	4166648.9	Worker	Scenario 1	7.31E-03	1.48E-05	--
6317	638636.2	4166648.9	Worker	Scenario 1	7.64E-03	1.54E-05	--
6318	638736.2	4166648.9	Worker	Scenario 1	7.99E-03	1.61E-05	--
6319	638836.2	4166648.9	Worker	Scenario 1	8.09E-03	1.63E-05	--
6320	638936.2	4166648.9	Worker	Scenario 1	8.60E-03	1.74E-05	--
6321	639036.2	4166648.9	Worker	Scenario 1	9.51E-03	1.92E-05	--
6322	639136.2	4166648.9	Worker	Scenario 1	1.07E-02	2.16E-05	--
6323	639236.2	4166648.9	Worker	Scenario 1	1.18E-02	2.39E-05	--
6324	639336.2	4166648.9	Worker	Scenario 1	1.20E-02	2.41E-05	--
6325	639436.2	4166648.9	Worker	Scenario 1	1.14E-02	2.30E-05	--
6326	639536.2	4166648.9	Worker	Scenario 1	1.21E-02	2.45E-05	--
6327	639636.2	4166648.9	Worker	Scenario 1	1.23E-02	2.48E-05	--
6328	639736.2	4166648.9	Worker	Scenario 1	1.36E-02	2.74E-05	--
6329	639836.2	4166648.9	Worker	Scenario 1	1.47E-02	2.97E-05	--
6330	639936.2	4166648.9	Worker	Scenario 1	1.60E-02	3.23E-05	--
6331	640036.2	4166648.9	Worker	Scenario 1	1.74E-02	3.52E-05	--
6332	640136.2	4166648.9	Worker	Scenario 1	1.88E-02	3.80E-05	--
6333	640236.2	4166648.9	Worker	Scenario 1	1.97E-02	3.98E-05	--
6334	640336.2	4166648.9	Worker	Scenario 1	2.09E-02	4.23E-05	--
6335	640436.2	4166648.9	Worker	Scenario 1	2.24E-02	4.53E-05	--
6336	640536.2	4166648.9	Worker	Scenario 1	2.44E-02	4.92E-05	--
6337	641536.2	4166648.9	Worker	Scenario 1	1.52E-01	3.07E-04	--
6338	641636.2	4166648.9	Worker	Scenario 1	1.07E-01	2.17E-04	--
6339	641736.2	4166648.9	Worker	Scenario 1	8.86E-02	1.79E-04	--
6340	641836.2	4166648.9	Worker	Scenario 1	7.96E-02	1.61E-04	--
6341	641936.2	4166648.9	Worker	Scenario 1	7.53E-02	1.52E-04	--
6342	642036.2	4166648.9	Worker	Scenario 1	7.34E-02	1.48E-04	--
6343	642136.2	4166648.9	Worker	Scenario 1	7.38E-02	1.49E-04	--
6344	642236.2	4166648.9	Worker	Scenario 1	7.59E-02	1.53E-04	--
6345	642336.2	4166648.9	Worker	Scenario 1	8.01E-02	1.62E-04	--
6346	642436.2	4166648.9	Worker	Scenario 1	8.58E-02	1.73E-04	--
6347	642736.2	4166648.9	Worker	Scenario 1	1.08E-01	2.19E-04	--
6348	642836.2	4166648.9	Worker	Scenario 1	1.17E-01	2.35E-04	--
6349	642936.2	4166648.9	Worker	Scenario 1	1.20E-01	2.43E-04	--
6350	643036.2	4166648.9	Worker	Scenario 1	1.32E-01	2.68E-04	--
6351	643136.2	4166648.9	Worker	Scenario 1	1.46E-01	2.95E-04	--
6352	643236.2	4166648.9	Worker	Scenario 1	1.65E-01	3.33E-04	--
6353	643336.2	4166648.9	Worker	Scenario 1	1.84E-01	3.73E-04	--
6354	643436.2	4166648.9	Worker	Scenario 1	2.04E-01	4.12E-04	--
6355	643536.2	4166648.9	Worker	Scenario 1	2.21E-01	4.47E-04	--
6356	643636.2	4166648.9	Worker	Scenario 1	2.33E-01	4.70E-04	--
6357	643736.2	4166648.9	Worker	Scenario 1	2.36E-01	4.77E-04	--
6358	643836.2	4166648.9	Worker	Scenario 1	2.32E-01	4.69E-04	--
6359	643936.2	4166648.9	Worker	Scenario 1	2.24E-01	4.52E-04	--
6360	644036.2	4166648.9	Worker	Scenario 1	2.15E-01	4.35E-04	--
6361	644136.2	4166648.9	Worker	Scenario 1	2.08E-01	4.20E-04	--
6362	644236.2	4166648.9	Worker	Scenario 1	2.02E-01	4.09E-04	--
6363	644336.2	4166648.9	Worker	Scenario 1	1.98E-01	4.00E-04	--
6364	644436.2	4166648.9	Worker	Scenario 1	1.94E-01	3.91E-04	--
6365	644536.2	4166648.9	Worker	Scenario 1	1.89E-01	3.83E-04	--
6366	644636.2	4166648.9	Worker	Scenario 1	1.82E-01	3.68E-04	--
6367	644736.2	4166648.9	Worker	Scenario 1	1.79E-01	3.62E-04	--
6368	644836.2	4166648.9	Worker	Scenario 1	1.76E-01	3.56E-04	--
6369	644936.2	4166648.9	Worker	Scenario 1	1.73E-01	3.50E-04	--
6370	645036.2	4166648.9	Worker	Scenario 1	1.69E-01	3.42E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6371	645136.2	4166648.9	Worker	Scenario 1	1.65E-01	3.33E-04	--
6372	645236.2	4166648.9	Worker	Scenario 1	1.61E-01	3.24E-04	--
6373	645336.2	4166648.9	Worker	Scenario 1	1.56E-01	3.16E-04	--
6374	645436.2	4166648.9	Worker	Scenario 1	1.52E-01	3.07E-04	--
6375	645536.2	4166648.9	Worker	Scenario 1	1.48E-01	2.99E-04	--
6376	645636.2	4166648.9	Worker	Scenario 1	1.44E-01	2.90E-04	--
6377	645736.2	4166648.9	Worker	Scenario 1	1.39E-01	2.82E-04	--
6378	645836.2	4166648.9	Worker	Scenario 1	1.35E-01	2.73E-04	--
6379	646836.2	4166648.9	Worker	Scenario 1	9.62E-02	1.94E-04	--
6380	646936.2	4166648.9	Worker	Scenario 1	9.32E-02	1.88E-04	--
6381	647036.2	4166648.9	Worker	Scenario 1	9.04E-02	1.83E-04	--
6382	637436.2	4166748.9	Worker	Scenario 1	4.68E-03	9.45E-06	--
6383	637536.2	4166748.9	Worker	Scenario 1	4.67E-03	9.43E-06	--
6384	637636.2	4166748.9	Worker	Scenario 1	5.15E-03	1.04E-05	--
6385	637736.2	4166748.9	Worker	Scenario 1	5.44E-03	1.10E-05	--
6386	637836.2	4166748.9	Worker	Scenario 1	6.12E-03	1.24E-05	--
6387	637936.2	4166748.9	Worker	Scenario 1	6.66E-03	1.35E-05	--
6388	638036.2	4166748.9	Worker	Scenario 1	7.42E-03	1.50E-05	--
6389	638136.2	4166748.9	Worker	Scenario 1	7.32E-03	1.48E-05	--
6390	638236.2	4166748.9	Worker	Scenario 1	6.62E-03	1.34E-05	--
6391	638336.2	4166748.9	Worker	Scenario 1	6.73E-03	1.36E-05	--
6392	638436.2	4166748.9	Worker	Scenario 1	7.08E-03	1.43E-05	--
6393	638536.2	4166748.9	Worker	Scenario 1	7.41E-03	1.50E-05	--
6394	638636.2	4166748.9	Worker	Scenario 1	8.03E-03	1.62E-05	--
6395	638736.2	4166748.9	Worker	Scenario 1	8.53E-03	1.72E-05	--
6396	638836.2	4166748.9	Worker	Scenario 1	8.85E-03	1.79E-05	--
6397	638936.2	4166748.9	Worker	Scenario 1	9.51E-03	1.92E-05	--
6398	639036.2	4166748.9	Worker	Scenario 1	1.03E-02	2.08E-05	--
6399	639136.2	4166748.9	Worker	Scenario 1	1.13E-02	2.28E-05	--
6400	639236.2	4166748.9	Worker	Scenario 1	1.25E-02	2.53E-05	--
6401	639336.2	4166748.9	Worker	Scenario 1	1.27E-02	2.57E-05	--
6402	639436.2	4166748.9	Worker	Scenario 1	1.30E-02	2.63E-05	--
6403	639536.2	4166748.9	Worker	Scenario 1	1.35E-02	2.72E-05	--
6404	639636.2	4166748.9	Worker	Scenario 1	1.40E-02	2.82E-05	--
6405	639736.2	4166748.9	Worker	Scenario 1	1.46E-02	2.96E-05	--
6406	639836.2	4166748.9	Worker	Scenario 1	1.55E-02	3.13E-05	--
6407	639936.2	4166748.9	Worker	Scenario 1	1.68E-02	3.39E-05	--
6408	640036.2	4166748.9	Worker	Scenario 1	1.80E-02	3.64E-05	--
6409	640136.2	4166748.9	Worker	Scenario 1	1.95E-02	3.93E-05	--
6410	640236.2	4166748.9	Worker	Scenario 1	2.08E-02	4.21E-05	--
6411	640336.2	4166748.9	Worker	Scenario 1	2.22E-02	4.48E-05	--
6412	640436.2	4166748.9	Worker	Scenario 1	2.37E-02	4.79E-05	--
6413	640536.2	4166748.9	Worker	Scenario 1	2.56E-02	5.17E-05	--
6414	644536.2	4166748.9	Worker	Scenario 1	2.26E-01	4.57E-04	--
6415	644636.2	4166748.9	Worker	Scenario 1	2.18E-01	4.40E-04	--
6416	644836.2	4166748.9	Worker	Scenario 1	2.08E-01	4.19E-04	--
6417	644936.2	4166748.9	Worker	Scenario 1	2.02E-01	4.08E-04	--
6418	645036.2	4166748.9	Worker	Scenario 1	1.96E-01	3.95E-04	--
6419	645136.2	4166748.9	Worker	Scenario 1	1.89E-01	3.82E-04	--
6420	645236.2	4166748.9	Worker	Scenario 1	1.83E-01	3.69E-04	--
6421	645336.2	4166748.9	Worker	Scenario 1	1.76E-01	3.56E-04	--
6422	645436.2	4166748.9	Worker	Scenario 1	1.70E-01	3.44E-04	--
6423	645536.2	4166748.9	Worker	Scenario 1	1.64E-01	3.32E-04	--
6424	645636.2	4166748.9	Worker	Scenario 1	1.58E-01	3.20E-04	--
6425	645736.2	4166748.9	Worker	Scenario 1	1.53E-01	3.08E-04	--
6426	645936.2	4166748.9	Worker	Scenario 1	1.41E-01	2.85E-04	--
6427	646036.2	4166748.9	Worker	Scenario 1	1.35E-01	2.73E-04	--
6428	646436.2	4166748.9	Worker	Scenario 1	1.16E-01	2.34E-04	--
6429	646536.2	4166748.9	Worker	Scenario 1	1.12E-01	2.26E-04	--
6430	646636.2	4166748.9	Worker	Scenario 1	1.08E-01	2.18E-04	--
6431	646736.2	4166748.9	Worker	Scenario 1	1.04E-01	2.11E-04	--
6432	646836.2	4166748.9	Worker	Scenario 1	1.01E-01	2.04E-04	--
6433	646936.2	4166748.9	Worker	Scenario 1	9.76E-02	1.97E-04	--
6434	647036.2	4166748.9	Worker	Scenario 1	9.45E-02	1.91E-04	--
6435	637336.2	4166848.9	Worker	Scenario 1	4.61E-03	9.32E-06	--
6436	637436.2	4166848.9	Worker	Scenario 1	4.93E-03	9.96E-06	--
6437	637536.2	4166848.9	Worker	Scenario 1	4.93E-03	9.96E-06	--
6438	637636.2	4166848.9	Worker	Scenario 1	5.40E-03	1.09E-05	--
6439	637736.2	4166848.9	Worker	Scenario 1	5.90E-03	1.19E-05	--
6440	637836.2	4166848.9	Worker	Scenario 1	6.40E-03	1.29E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6441	637936.2	4166848.9	Worker	Scenario 1	7.27E-03	1.47E-05	--
6442	638036.2	4166848.9	Worker	Scenario 1	7.88E-03	1.59E-05	--
6443	638136.2	4166848.9	Worker	Scenario 1	7.88E-03	1.59E-05	--
6444	638236.2	4166848.9	Worker	Scenario 1	7.15E-03	1.44E-05	--
6445	638336.2	4166848.9	Worker	Scenario 1	7.16E-03	1.45E-05	--
6446	638436.2	4166848.9	Worker	Scenario 1	7.66E-03	1.55E-05	--
6447	638536.2	4166848.9	Worker	Scenario 1	7.92E-03	1.60E-05	--
6448	638636.2	4166848.9	Worker	Scenario 1	8.33E-03	1.68E-05	--
6449	638736.2	4166848.9	Worker	Scenario 1	8.98E-03	1.81E-05	--
6450	638836.2	4166848.9	Worker	Scenario 1	9.46E-03	1.91E-05	--
6451	638936.2	4166848.9	Worker	Scenario 1	1.00E-02	2.03E-05	--
6452	639036.2	4166848.9	Worker	Scenario 1	1.09E-02	2.21E-05	--
6453	639136.2	4166848.9	Worker	Scenario 1	1.20E-02	2.43E-05	--
6454	639236.2	4166848.9	Worker	Scenario 1	1.30E-02	2.63E-05	--
6455	639336.2	4166848.9	Worker	Scenario 1	1.35E-02	2.73E-05	--
6456	639436.2	4166848.9	Worker	Scenario 1	1.39E-02	2.82E-05	--
6457	639536.2	4166848.9	Worker	Scenario 1	1.45E-02	2.93E-05	--
6458	639636.2	4166848.9	Worker	Scenario 1	1.52E-02	3.06E-05	--
6459	639736.2	4166848.9	Worker	Scenario 1	1.58E-02	3.20E-05	--
6460	644836.2	4166848.9	Worker	Scenario 1	2.44E-01	4.92E-04	--
6461	644936.2	4166848.9	Worker	Scenario 1	2.34E-01	4.73E-04	--
6462	645036.2	4166848.9	Worker	Scenario 1	2.24E-01	4.52E-04	--
6463	645136.2	4166848.9	Worker	Scenario 1	2.14E-01	4.33E-04	--
6464	645236.2	4166848.9	Worker	Scenario 1	2.05E-01	4.14E-04	--
6465	645336.2	4166848.9	Worker	Scenario 1	1.96E-01	3.97E-04	--
6466	645436.2	4166848.9	Worker	Scenario 1	1.88E-01	3.80E-04	--
6467	645536.2	4166848.9	Worker	Scenario 1	1.80E-01	3.64E-04	--
6468	645636.2	4166848.9	Worker	Scenario 1	1.72E-01	3.48E-04	--
6469	645836.2	4166848.9	Worker	Scenario 1	1.57E-01	3.17E-04	--
6470	645936.2	4166848.9	Worker	Scenario 1	1.49E-01	3.01E-04	--
6471	646436.2	4166848.9	Worker	Scenario 1	1.22E-01	2.46E-04	--
6472	646536.2	4166848.9	Worker	Scenario 1	1.17E-01	2.37E-04	--
6473	646636.2	4166848.9	Worker	Scenario 1	1.13E-01	2.29E-04	--
6474	646736.2	4166848.9	Worker	Scenario 1	1.09E-01	2.21E-04	--
6475	646836.2	4166848.9	Worker	Scenario 1	1.05E-01	2.13E-04	--
6476	646936.2	4166848.9	Worker	Scenario 1	1.02E-01	2.06E-04	--
6477	647036.2	4166848.9	Worker	Scenario 1	9.84E-02	1.99E-04	--
6478	637136.2	4166948.9	Worker	Scenario 1	4.66E-03	9.42E-06	--
6479	637236.2	4166948.9	Worker	Scenario 1	4.79E-03	9.68E-06	--
6480	637336.2	4166948.9	Worker	Scenario 1	4.79E-03	9.67E-06	--
6481	637436.2	4166948.9	Worker	Scenario 1	5.25E-03	1.06E-05	--
6482	637536.2	4166948.9	Worker	Scenario 1	5.26E-03	1.06E-05	--
6483	637636.2	4166948.9	Worker	Scenario 1	5.78E-03	1.17E-05	--
6484	637736.2	4166948.9	Worker	Scenario 1	6.24E-03	1.26E-05	--
6485	637836.2	4166948.9	Worker	Scenario 1	5.98E-03	1.21E-05	--
6486	637936.2	4166948.9	Worker	Scenario 1	6.21E-03	1.25E-05	--
6487	638036.2	4166948.9	Worker	Scenario 1	7.24E-03	1.46E-05	--
6488	638136.2	4166948.9	Worker	Scenario 1	8.85E-03	1.79E-05	--
6489	638236.2	4166948.9	Worker	Scenario 1	7.59E-03	1.53E-05	--
6490	638336.2	4166948.9	Worker	Scenario 1	7.56E-03	1.53E-05	--
6491	638436.2	4166948.9	Worker	Scenario 1	8.56E-03	1.73E-05	--
6492	638536.2	4166948.9	Worker	Scenario 1	8.37E-03	1.69E-05	--
6493	638636.2	4166948.9	Worker	Scenario 1	8.86E-03	1.79E-05	--
6494	638736.2	4166948.9	Worker	Scenario 1	9.39E-03	1.90E-05	--
6495	638836.2	4166948.9	Worker	Scenario 1	1.01E-02	2.05E-05	--
6496	638936.2	4166948.9	Worker	Scenario 1	1.06E-02	2.15E-05	--
6497	639036.2	4166948.9	Worker	Scenario 1	1.14E-02	2.30E-05	--
6498	639136.2	4166948.9	Worker	Scenario 1	1.22E-02	2.47E-05	--
6499	639236.2	4166948.9	Worker	Scenario 1	1.31E-02	2.65E-05	--
6500	639336.2	4166948.9	Worker	Scenario 1	1.41E-02	2.85E-05	--
6501	639436.2	4166948.9	Worker	Scenario 1	1.50E-02	3.02E-05	--
6502	639536.2	4166948.9	Worker	Scenario 1	1.54E-02	3.11E-05	--
6503	639636.2	4166948.9	Worker	Scenario 1	1.62E-02	3.27E-05	--
6504	639736.2	4166948.9	Worker	Scenario 1	1.70E-02	3.42E-05	--
6505	639836.2	4166948.9	Worker	Scenario 1	1.78E-02	3.60E-05	--
6506	639936.2	4166948.9	Worker	Scenario 1	1.88E-02	3.79E-05	--
6507	640036.2	4166948.9	Worker	Scenario 1	2.00E-02	4.04E-05	--
6508	640136.2	4166948.9	Worker	Scenario 1	2.07E-02	4.19E-05	--
6509	640236.2	4166948.9	Worker	Scenario 1	2.22E-02	4.48E-05	--
6510	640336.2	4166948.9	Worker	Scenario 1	2.38E-02	4.80E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6511	640436.2	4166948.9	Worker	Scenario 1	2.56E-02	5.16E-05	--
6512	640536.2	4166948.9	Worker	Scenario 1	2.76E-02	5.57E-05	--
6513	640636.2	4166948.9	Worker	Scenario 1	2.99E-02	6.04E-05	--
6514	640736.2	4166948.9	Worker	Scenario 1	3.34E-02	6.74E-05	--
6515	645636.2	4166948.9	Worker	Scenario 1	1.84E-01	3.71E-04	--
6516	637036.2	4167048.9	Worker	Scenario 1	4.36E-03	8.81E-06	--
6517	637136.2	4167048.9	Worker	Scenario 1	5.00E-03	1.01E-05	--
6518	637236.2	4167048.9	Worker	Scenario 1	5.27E-03	1.06E-05	--
6519	637336.2	4167048.9	Worker	Scenario 1	4.96E-03	1.00E-05	--
6520	637436.2	4167048.9	Worker	Scenario 1	5.53E-03	1.12E-05	--
6521	637536.2	4167048.9	Worker	Scenario 1	5.61E-03	1.13E-05	--
6522	637636.2	4167048.9	Worker	Scenario 1	5.61E-03	1.13E-05	--
6523	637736.2	4167048.9	Worker	Scenario 1	5.78E-03	1.17E-05	--
6524	637836.2	4167048.9	Worker	Scenario 1	6.50E-03	1.31E-05	--
6525	637936.2	4167048.9	Worker	Scenario 1	6.69E-03	1.35E-05	--
6526	638036.2	4167048.9	Worker	Scenario 1	7.35E-03	1.48E-05	--
6527	638136.2	4167048.9	Worker	Scenario 1	8.68E-03	1.75E-05	--
6528	638236.2	4167048.9	Worker	Scenario 1	8.71E-03	1.76E-05	--
6529	638336.2	4167048.9	Worker	Scenario 1	8.12E-03	1.64E-05	--
6530	638436.2	4167048.9	Worker	Scenario 1	9.23E-03	1.86E-05	--
6531	638536.2	4167048.9	Worker	Scenario 1	8.86E-03	1.79E-05	--
6532	638636.2	4167048.9	Worker	Scenario 1	9.58E-03	1.94E-05	--
6533	638736.2	4167048.9	Worker	Scenario 1	9.87E-03	1.99E-05	--
6534	638836.2	4167048.9	Worker	Scenario 1	1.07E-02	2.16E-05	--
6535	638936.2	4167048.9	Worker	Scenario 1	1.12E-02	2.26E-05	--
6536	639036.2	4167048.9	Worker	Scenario 1	1.20E-02	2.42E-05	--
6537	639136.2	4167048.9	Worker	Scenario 1	1.27E-02	2.57E-05	--
6538	639236.2	4167048.9	Worker	Scenario 1	1.36E-02	2.75E-05	--
6539	639336.2	4167048.9	Worker	Scenario 1	1.45E-02	2.93E-05	--
6540	639436.2	4167048.9	Worker	Scenario 1	1.55E-02	3.12E-05	--
6541	639536.2	4167048.9	Worker	Scenario 1	1.62E-02	3.26E-05	--
6542	639636.2	4167048.9	Worker	Scenario 1	1.65E-02	3.34E-05	--
6543	639736.2	4167048.9	Worker	Scenario 1	1.74E-02	3.52E-05	--
6544	639836.2	4167048.9	Worker	Scenario 1	1.83E-02	3.70E-05	--
6545	639936.2	4167048.9	Worker	Scenario 1	1.93E-02	3.90E-05	--
6546	640036.2	4167048.9	Worker	Scenario 1	2.06E-02	4.16E-05	--
6547	640136.2	4167048.9	Worker	Scenario 1	2.19E-02	4.42E-05	--
6548	640236.2	4167048.9	Worker	Scenario 1	2.34E-02	4.72E-05	--
6549	640336.2	4167048.9	Worker	Scenario 1	2.51E-02	5.06E-05	--
6550	640436.2	4167048.9	Worker	Scenario 1	2.71E-02	5.46E-05	--
6551	640536.2	4167048.9	Worker	Scenario 1	2.92E-02	5.91E-05	--
6552	641036.2	4167048.9	Worker	Scenario 1	5.36E-02	1.08E-04	--
6553	641136.2	4167048.9	Worker	Scenario 1	6.90E-02	1.39E-04	--
6554	644836.2	4167048.9	Worker	Scenario 1	3.18E-01	6.42E-04	--
6555	644936.2	4167048.9	Worker	Scenario 1	2.92E-01	5.90E-04	--
6556	645036.2	4167048.9	Worker	Scenario 1	2.73E-01	5.51E-04	--
6557	645136.2	4167048.9	Worker	Scenario 1	2.56E-01	5.17E-04	--
6558	645436.2	4167048.9	Worker	Scenario 1	2.15E-01	4.34E-04	--
6559	645536.2	4167048.9	Worker	Scenario 1	2.04E-01	4.11E-04	--
6560	645636.2	4167048.9	Worker	Scenario 1	1.93E-01	3.90E-04	--
6561	645836.2	4167048.9	Worker	Scenario 1	1.74E-01	3.52E-04	--
6562	645936.2	4167048.9	Worker	Scenario 1	1.66E-01	3.36E-04	--
6563	646436.2	4167048.9	Worker	Scenario 1	1.33E-01	2.68E-04	--
6564	646536.2	4167048.9	Worker	Scenario 1	1.27E-01	2.57E-04	--
6565	646636.2	4167048.9	Worker	Scenario 1	1.22E-01	2.47E-04	--
6566	646736.2	4167048.9	Worker	Scenario 1	1.18E-01	2.38E-04	--
6567	646936.2	4167048.9	Worker	Scenario 1	1.09E-01	2.20E-04	--
6568	647036.2	4167048.9	Worker	Scenario 1	1.05E-01	2.12E-04	--
6569	636936.2	4167148.9	Worker	Scenario 1	4.63E-03	9.35E-06	--
6570	637036.2	4167148.9	Worker	Scenario 1	4.41E-03	8.90E-06	--
6571	637136.2	4167148.9	Worker	Scenario 1	4.83E-03	9.75E-06	--
6572	637236.2	4167148.9	Worker	Scenario 1	5.13E-03	1.04E-05	--
6573	637336.2	4167148.9	Worker	Scenario 1	5.45E-03	1.10E-05	--
6574	637436.2	4167148.9	Worker	Scenario 1	5.78E-03	1.17E-05	--
6575	637536.2	4167148.9	Worker	Scenario 1	5.77E-03	1.17E-05	--
6576	637636.2	4167148.9	Worker	Scenario 1	5.52E-03	1.12E-05	--
6577	637736.2	4167148.9	Worker	Scenario 1	6.28E-03	1.27E-05	--
6578	637836.2	4167148.9	Worker	Scenario 1	6.44E-03	1.30E-05	--
6579	637936.2	4167148.9	Worker	Scenario 1	7.08E-03	1.43E-05	--
6580	638036.2	4167148.9	Worker	Scenario 1	8.12E-03	1.64E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6581	638136.2	4167148.9	Worker	Scenario 1	8.07E-03	1.63E-05	--
6582	638236.2	4167148.9	Worker	Scenario 1	9.86E-03	1.99E-05	--
6583	638336.2	4167148.9	Worker	Scenario 1	8.77E-03	1.77E-05	--
6584	638436.2	4167148.9	Worker	Scenario 1	9.52E-03	1.92E-05	--
6585	638536.2	4167148.9	Worker	Scenario 1	9.45E-03	1.91E-05	--
6586	638636.2	4167148.9	Worker	Scenario 1	9.97E-03	2.01E-05	--
6587	638736.2	4167148.9	Worker	Scenario 1	1.04E-02	2.11E-05	--
6588	638836.2	4167148.9	Worker	Scenario 1	1.10E-02	2.23E-05	--
6589	638936.2	4167148.9	Worker	Scenario 1	1.15E-02	2.33E-05	--
6590	639036.2	4167148.9	Worker	Scenario 1	1.22E-02	2.47E-05	--
6591	639136.2	4167148.9	Worker	Scenario 1	1.29E-02	2.61E-05	--
6592	639236.2	4167148.9	Worker	Scenario 1	1.37E-02	2.77E-05	--
6593	639336.2	4167148.9	Worker	Scenario 1	1.45E-02	2.93E-05	--
6594	639436.2	4167148.9	Worker	Scenario 1	1.55E-02	3.14E-05	--
6595	639536.2	4167148.9	Worker	Scenario 1	1.65E-02	3.32E-05	--
6596	639636.2	4167148.9	Worker	Scenario 1	1.72E-02	3.47E-05	--
6597	639736.2	4167148.9	Worker	Scenario 1	1.81E-02	3.66E-05	--
6598	639836.2	4167148.9	Worker	Scenario 1	1.92E-02	3.87E-05	--
6599	639936.2	4167148.9	Worker	Scenario 1	2.03E-02	4.10E-05	--
6600	640036.2	4167148.9	Worker	Scenario 1	2.16E-02	4.36E-05	--
6601	640136.2	4167148.9	Worker	Scenario 1	2.30E-02	4.64E-05	--
6602	640236.2	4167148.9	Worker	Scenario 1	2.45E-02	4.96E-05	--
6603	640336.2	4167148.9	Worker	Scenario 1	2.64E-02	5.33E-05	--
6604	640436.2	4167148.9	Worker	Scenario 1	2.85E-02	5.76E-05	--
6605	640836.2	4167148.9	Worker	Scenario 1	4.17E-02	8.43E-05	--
6606	640936.2	4167148.9	Worker	Scenario 1	4.79E-02	9.68E-05	--
6607	641036.2	4167148.9	Worker	Scenario 1	5.75E-02	1.16E-04	--
6608	641136.2	4167148.9	Worker	Scenario 1	7.38E-02	1.49E-04	--
6609	644836.2	4167148.9	Worker	Scenario 1	3.43E-01	6.92E-04	--
6610	644936.2	4167148.9	Worker	Scenario 1	3.17E-01	6.40E-04	--
6611	645036.2	4167148.9	Worker	Scenario 1	2.94E-01	5.94E-04	--
6612	645136.2	4167148.9	Worker	Scenario 1	2.74E-01	5.54E-04	--
6613	645436.2	4167148.9	Worker	Scenario 1	2.28E-01	4.60E-04	--
6614	645536.2	4167148.9	Worker	Scenario 1	2.15E-01	4.34E-04	--
6615	645636.2	4167148.9	Worker	Scenario 1	2.03E-01	4.10E-04	--
6616	645836.2	4167148.9	Worker	Scenario 1	1.82E-01	3.68E-04	--
6617	645936.2	4167148.9	Worker	Scenario 1	1.73E-01	3.50E-04	--
6618	646036.2	4167148.9	Worker	Scenario 1	1.65E-01	3.33E-04	--
6619	646336.2	4167148.9	Worker	Scenario 1	1.43E-01	2.89E-04	--
6620	646436.2	4167148.9	Worker	Scenario 1	1.37E-01	2.77E-04	--
6621	646536.2	4167148.9	Worker	Scenario 1	1.31E-01	2.65E-04	--
6622	646636.2	4167148.9	Worker	Scenario 1	1.26E-01	2.54E-04	--
6623	646736.2	4167148.9	Worker	Scenario 1	1.21E-01	2.44E-04	--
6624	646836.2	4167148.9	Worker	Scenario 1	1.16E-01	2.35E-04	--
6625	646936.2	4167148.9	Worker	Scenario 1	1.12E-01	2.26E-04	--
6626	647036.2	4167148.9	Worker	Scenario 1	1.08E-01	2.17E-04	--
6627	636836.2	4167248.9	Worker	Scenario 1	4.45E-03	8.98E-06	--
6628	636936.2	4167248.9	Worker	Scenario 1	4.95E-03	9.99E-06	--
6629	637036.2	4167248.9	Worker	Scenario 1	4.65E-03	9.38E-06	--
6630	637136.2	4167248.9	Worker	Scenario 1	5.05E-03	1.02E-05	--
6631	637236.2	4167248.9	Worker	Scenario 1	5.25E-03	1.06E-05	--
6632	637336.2	4167248.9	Worker	Scenario 1	5.86E-03	1.18E-05	--
6633	637436.2	4167248.9	Worker	Scenario 1	6.07E-03	1.23E-05	--
6634	637536.2	4167248.9	Worker	Scenario 1	6.08E-03	1.23E-05	--
6635	637636.2	4167248.9	Worker	Scenario 1	5.91E-03	1.19E-05	--
6636	637736.2	4167248.9	Worker	Scenario 1	6.55E-03	1.32E-05	--
6637	637836.2	4167248.9	Worker	Scenario 1	7.79E-03	1.57E-05	--
6638	637936.2	4167248.9	Worker	Scenario 1	6.90E-03	1.39E-05	--
6639	638036.2	4167248.9	Worker	Scenario 1	7.51E-03	1.52E-05	--
6640	638136.2	4167248.9	Worker	Scenario 1	8.88E-03	1.79E-05	--
6641	638236.2	4167248.9	Worker	Scenario 1	9.11E-03	1.84E-05	--
6642	638336.2	4167248.9	Worker	Scenario 1	9.63E-03	1.95E-05	--
6643	638436.2	4167248.9	Worker	Scenario 1	9.75E-03	1.97E-05	--
6644	638536.2	4167248.9	Worker	Scenario 1	1.03E-02	2.09E-05	--
6645	638636.2	4167248.9	Worker	Scenario 1	1.03E-02	2.08E-05	--
6646	638736.2	4167248.9	Worker	Scenario 1	1.08E-02	2.17E-05	--
6647	638836.2	4167248.9	Worker	Scenario 1	1.13E-02	2.27E-05	--
6648	638936.2	4167248.9	Worker	Scenario 1	1.19E-02	2.40E-05	--
6649	639036.2	4167248.9	Worker	Scenario 1	1.25E-02	2.52E-05	--
6650	639136.2	4167248.9	Worker	Scenario 1	1.32E-02	2.67E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6651	639236.2	4167248.9	Worker	Scenario 1	1.40E-02	2.82E-05	--
6652	639336.2	4167248.9	Worker	Scenario 1	1.48E-02	2.99E-05	--
6653	639436.2	4167248.9	Worker	Scenario 1	1.57E-02	3.17E-05	--
6654	639536.2	4167248.9	Worker	Scenario 1	1.67E-02	3.36E-05	--
6655	639636.2	4167248.9	Worker	Scenario 1	1.76E-02	3.56E-05	--
6656	639736.2	4167248.9	Worker	Scenario 1	1.86E-02	3.76E-05	--
6657	639836.2	4167248.9	Worker	Scenario 1	1.97E-02	3.99E-05	--
6658	639936.2	4167248.9	Worker	Scenario 1	2.10E-02	4.24E-05	--
6659	640036.2	4167248.9	Worker	Scenario 1	2.24E-02	4.52E-05	--
6660	640136.2	4167248.9	Worker	Scenario 1	2.39E-02	4.82E-05	--
6661	640236.2	4167248.9	Worker	Scenario 1	2.56E-02	5.16E-05	--
6662	640336.2	4167248.9	Worker	Scenario 1	2.75E-02	5.56E-05	--
6663	640636.2	4167248.9	Worker	Scenario 1	3.57E-02	7.20E-05	--
6664	640736.2	4167248.9	Worker	Scenario 1	3.99E-02	8.06E-05	--
6665	640836.2	4167248.9	Worker	Scenario 1	4.41E-02	8.91E-05	--
6666	640936.2	4167248.9	Worker	Scenario 1	5.10E-02	1.03E-04	--
6667	641036.2	4167248.9	Worker	Scenario 1	6.11E-02	1.23E-04	--
6668	641136.2	4167248.9	Worker	Scenario 1	7.82E-02	1.58E-04	--
6669	645036.2	4167248.9	Worker	Scenario 1	3.11E-01	6.28E-04	--
6670	645136.2	4167248.9	Worker	Scenario 1	2.88E-01	5.83E-04	--
6671	645336.2	4167248.9	Worker	Scenario 1	2.52E-01	5.09E-04	--
6672	645436.2	4167248.9	Worker	Scenario 1	2.37E-01	4.78E-04	--
6673	645536.2	4167248.9	Worker	Scenario 1	2.23E-01	4.51E-04	--
6674	645636.2	4167248.9	Worker	Scenario 1	2.10E-01	4.25E-04	--
6675	645736.2	4167248.9	Worker	Scenario 1	1.99E-01	4.01E-04	--
6676	645836.2	4167248.9	Worker	Scenario 1	1.88E-01	3.80E-04	--
6677	645936.2	4167248.9	Worker	Scenario 1	1.78E-01	3.60E-04	--
6678	646036.2	4167248.9	Worker	Scenario 1	1.70E-01	3.42E-04	--
6679	646136.2	4167248.9	Worker	Scenario 1	1.61E-01	3.26E-04	--
6680	646336.2	4167248.9	Worker	Scenario 1	1.47E-01	2.96E-04	--
6681	646436.2	4167248.9	Worker	Scenario 1	1.40E-01	2.83E-04	--
6682	646536.2	4167248.9	Worker	Scenario 1	1.34E-01	2.71E-04	--
6683	646636.2	4167248.9	Worker	Scenario 1	1.29E-01	2.60E-04	--
6684	646736.2	4167248.9	Worker	Scenario 1	1.23E-01	2.49E-04	--
6685	646836.2	4167248.9	Worker	Scenario 1	1.19E-01	2.39E-04	--
6686	646936.2	4167248.9	Worker	Scenario 1	1.14E-01	2.30E-04	--
6687	647036.2	4167248.9	Worker	Scenario 1	1.10E-01	2.21E-04	--
6688	636736.2	4167348.9	Worker	Scenario 1	4.64E-03	9.37E-06	--
6689	636836.2	4167348.9	Worker	Scenario 1	4.52E-03	9.13E-06	--
6690	636936.2	4167348.9	Worker	Scenario 1	5.14E-03	1.04E-05	--
6691	637036.2	4167348.9	Worker	Scenario 1	5.22E-03	1.05E-05	--
6692	637136.2	4167348.9	Worker	Scenario 1	4.89E-03	9.88E-06	--
6693	637236.2	4167348.9	Worker	Scenario 1	4.99E-03	1.01E-05	--
6694	637336.2	4167348.9	Worker	Scenario 1	5.32E-03	1.07E-05	--
6695	637436.2	4167348.9	Worker	Scenario 1	6.27E-03	1.27E-05	--
6696	637536.2	4167348.9	Worker	Scenario 1	6.41E-03	1.30E-05	--
6697	637636.2	4167348.9	Worker	Scenario 1	6.29E-03	1.27E-05	--
6698	637736.2	4167348.9	Worker	Scenario 1	6.54E-03	1.32E-05	--
6699	637836.2	4167348.9	Worker	Scenario 1	7.93E-03	1.60E-05	--
6700	637936.2	4167348.9	Worker	Scenario 1	7.92E-03	1.60E-05	--
6701	638036.2	4167348.9	Worker	Scenario 1	8.25E-03	1.67E-05	--
6702	638136.2	4167348.9	Worker	Scenario 1	8.73E-03	1.76E-05	--
6703	638236.2	4167348.9	Worker	Scenario 1	8.84E-03	1.79E-05	--
6704	638336.2	4167348.9	Worker	Scenario 1	1.04E-02	2.10E-05	--
6705	638436.2	4167348.9	Worker	Scenario 1	1.07E-02	2.15E-05	--
6706	638536.2	4167348.9	Worker	Scenario 1	9.97E-03	2.01E-05	--
6707	638636.2	4167348.9	Worker	Scenario 1	1.06E-02	2.15E-05	--
6708	638736.2	4167348.9	Worker	Scenario 1	1.09E-02	2.21E-05	--
6709	638836.2	4167348.9	Worker	Scenario 1	1.14E-02	2.31E-05	--
6710	638936.2	4167348.9	Worker	Scenario 1	1.21E-02	2.45E-05	--
6711	639036.2	4167348.9	Worker	Scenario 1	1.27E-02	2.56E-05	--
6712	639136.2	4167348.9	Worker	Scenario 1	1.33E-02	2.69E-05	--
6713	639236.2	4167348.9	Worker	Scenario 1	1.41E-02	2.86E-05	--
6714	639336.2	4167348.9	Worker	Scenario 1	1.50E-02	3.03E-05	--
6715	639436.2	4167348.9	Worker	Scenario 1	1.59E-02	3.21E-05	--
6716	639536.2	4167348.9	Worker	Scenario 1	1.69E-02	3.40E-05	--
6717	639636.2	4167348.9	Worker	Scenario 1	1.79E-02	3.62E-05	--
6718	639736.2	4167348.9	Worker	Scenario 1	1.89E-02	3.82E-05	--
6719	639836.2	4167348.9	Worker	Scenario 1	2.01E-02	4.05E-05	--
6720	639936.2	4167348.9	Worker	Scenario 1	2.14E-02	4.32E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6721	640036.2	4167348.9	Worker	Scenario 1	2.29E-02	4.63E-05	--
6722	640136.2	4167348.9	Worker	Scenario 1	2.46E-02	4.96E-05	--
6723	640236.2	4167348.9	Worker	Scenario 1	2.64E-02	5.33E-05	--
6724	640536.2	4167348.9	Worker	Scenario 1	3.39E-02	6.84E-05	--
6725	640636.2	4167348.9	Worker	Scenario 1	3.78E-02	7.63E-05	--
6726	640736.2	4167348.9	Worker	Scenario 1	4.10E-02	8.28E-05	--
6727	640836.2	4167348.9	Worker	Scenario 1	4.62E-02	9.34E-05	--
6728	640936.2	4167348.9	Worker	Scenario 1	5.36E-02	1.08E-04	--
6729	641036.2	4167348.9	Worker	Scenario 1	6.43E-02	1.30E-04	--
6730	641136.2	4167348.9	Worker	Scenario 1	8.23E-02	1.66E-04	--
6731	644836.2	4167348.9	Worker	Scenario 1	3.77E-01	7.61E-04	--
6732	644936.2	4167348.9	Worker	Scenario 1	3.46E-01	6.99E-04	--
6733	645036.2	4167348.9	Worker	Scenario 1	3.20E-01	6.46E-04	--
6734	645136.2	4167348.9	Worker	Scenario 1	2.97E-01	6.00E-04	--
6735	645236.2	4167348.9	Worker	Scenario 1	2.77E-01	5.59E-04	--
6736	645336.2	4167348.9	Worker	Scenario 1	2.59E-01	5.23E-04	--
6737	645436.2	4167348.9	Worker	Scenario 1	2.43E-01	4.90E-04	--
6738	645536.2	4167348.9	Worker	Scenario 1	2.28E-01	4.60E-04	--
6739	645636.2	4167348.9	Worker	Scenario 1	2.15E-01	4.33E-04	--
6740	645736.2	4167348.9	Worker	Scenario 1	2.03E-01	4.09E-04	--
6741	645836.2	4167348.9	Worker	Scenario 1	1.92E-01	3.87E-04	--
6742	645936.2	4167348.9	Worker	Scenario 1	1.82E-01	3.67E-04	--
6743	646036.2	4167348.9	Worker	Scenario 1	1.72E-01	3.48E-04	--
6744	646336.2	4167348.9	Worker	Scenario 1	1.49E-01	3.00E-04	--
6745	646436.2	4167348.9	Worker	Scenario 1	1.42E-01	2.87E-04	--
6746	646536.2	4167348.9	Worker	Scenario 1	1.36E-01	2.75E-04	--
6747	646636.2	4167348.9	Worker	Scenario 1	1.30E-01	2.63E-04	--
6748	646736.2	4167348.9	Worker	Scenario 1	1.25E-01	2.52E-04	--
6749	646836.2	4167348.9	Worker	Scenario 1	1.20E-01	2.42E-04	--
6750	646936.2	4167348.9	Worker	Scenario 1	1.15E-01	2.33E-04	--
6751	647036.2	4167348.9	Worker	Scenario 1	1.11E-01	2.24E-04	--
6752	636636.2	4167448.9	Worker	Scenario 1	4.39E-03	8.87E-06	--
6753	636736.2	4167448.9	Worker	Scenario 1	4.83E-03	9.76E-06	--
6754	636836.2	4167448.9	Worker	Scenario 1	5.25E-03	1.06E-05	--
6755	636936.2	4167448.9	Worker	Scenario 1	5.32E-03	1.07E-05	--
6756	637036.2	4167448.9	Worker	Scenario 1	4.71E-03	9.52E-06	--
6757	637136.2	4167448.9	Worker	Scenario 1	4.99E-03	1.01E-05	--
6758	637236.2	4167448.9	Worker	Scenario 1	5.18E-03	1.05E-05	--
6759	637336.2	4167448.9	Worker	Scenario 1	5.62E-03	1.14E-05	--
6760	637436.2	4167448.9	Worker	Scenario 1	5.87E-03	1.19E-05	--
6761	637536.2	4167448.9	Worker	Scenario 1	6.73E-03	1.36E-05	--
6762	637636.2	4167448.9	Worker	Scenario 1	6.64E-03	1.34E-05	--
6763	637736.2	4167448.9	Worker	Scenario 1	6.88E-03	1.39E-05	--
6764	637836.2	4167448.9	Worker	Scenario 1	6.85E-03	1.38E-05	--
6765	637936.2	4167448.9	Worker	Scenario 1	8.36E-03	1.69E-05	--
6766	638036.2	4167448.9	Worker	Scenario 1	8.30E-03	1.68E-05	--
6767	638136.2	4167448.9	Worker	Scenario 1	8.52E-03	1.72E-05	--
6768	638236.2	4167448.9	Worker	Scenario 1	9.34E-03	1.89E-05	--
6769	638336.2	4167448.9	Worker	Scenario 1	9.63E-03	1.95E-05	--
6770	638436.2	4167448.9	Worker	Scenario 1	1.08E-02	2.18E-05	--
6771	638536.2	4167448.9	Worker	Scenario 1	1.03E-02	2.08E-05	--
6772	638636.2	4167448.9	Worker	Scenario 1	1.08E-02	2.17E-05	--
6773	638736.2	4167448.9	Worker	Scenario 1	1.12E-02	2.26E-05	--
6774	638836.2	4167448.9	Worker	Scenario 1	1.17E-02	2.36E-05	--
6775	638936.2	4167448.9	Worker	Scenario 1	1.23E-02	2.48E-05	--
6776	639036.2	4167448.9	Worker	Scenario 1	1.28E-02	2.59E-05	--
6777	639136.2	4167448.9	Worker	Scenario 1	1.34E-02	2.71E-05	--
6778	639236.2	4167448.9	Worker	Scenario 1	1.42E-02	2.87E-05	--
6779	639336.2	4167448.9	Worker	Scenario 1	1.51E-02	3.05E-05	--
6780	639436.2	4167448.9	Worker	Scenario 1	1.60E-02	3.23E-05	--
6781	639536.2	4167448.9	Worker	Scenario 1	1.70E-02	3.43E-05	--
6782	639636.2	4167448.9	Worker	Scenario 1	1.83E-02	3.69E-05	--
6783	639736.2	4167448.9	Worker	Scenario 1	1.91E-02	3.85E-05	--
6784	639836.2	4167448.9	Worker	Scenario 1	2.03E-02	4.10E-05	--
6785	639936.2	4167448.9	Worker	Scenario 1	2.17E-02	4.37E-05	--
6786	640036.2	4167448.9	Worker	Scenario 1	2.32E-02	4.69E-05	--
6787	640136.2	4167448.9	Worker	Scenario 1	2.51E-02	5.07E-05	--
6788	640436.2	4167448.9	Worker	Scenario 1	3.17E-02	6.40E-05	--
6789	640536.2	4167448.9	Worker	Scenario 1	3.50E-02	7.07E-05	--
6790	640636.2	4167448.9	Worker	Scenario 1	3.83E-02	7.73E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6791	640736.2	4167448.9	Worker	Scenario 1	4.24E-02	8.56E-05	--
6792	640836.2	4167448.9	Worker	Scenario 1	4.80E-02	9.70E-05	--
6793	644836.2	4167448.9	Worker	Scenario 1	3.79E-01	7.66E-04	--
6794	644936.2	4167448.9	Worker	Scenario 1	3.48E-01	7.04E-04	--
6795	645036.2	4167448.9	Worker	Scenario 1	3.22E-01	6.50E-04	--
6796	645136.2	4167448.9	Worker	Scenario 1	2.99E-01	6.03E-04	--
6797	645236.2	4167448.9	Worker	Scenario 1	2.79E-01	5.63E-04	--
6798	645336.2	4167448.9	Worker	Scenario 1	2.60E-01	5.26E-04	--
6799	645436.2	4167448.9	Worker	Scenario 1	2.44E-01	4.93E-04	--
6800	645536.2	4167448.9	Worker	Scenario 1	2.29E-01	4.62E-04	--
6801	645636.2	4167448.9	Worker	Scenario 1	2.16E-01	4.35E-04	--
6802	645736.2	4167448.9	Worker	Scenario 1	2.03E-01	4.11E-04	--
6803	645836.2	4167448.9	Worker	Scenario 1	1.92E-01	3.89E-04	--
6804	645936.2	4167448.9	Worker	Scenario 1	1.82E-01	3.68E-04	--
6805	646336.2	4167448.9	Worker	Scenario 1	1.49E-01	3.01E-04	--
6806	646436.2	4167448.9	Worker	Scenario 1	1.43E-01	2.88E-04	--
6807	646536.2	4167448.9	Worker	Scenario 1	1.36E-01	2.75E-04	--
6808	646636.2	4167448.9	Worker	Scenario 1	1.31E-01	2.64E-04	--
6809	646736.2	4167448.9	Worker	Scenario 1	1.25E-01	2.53E-04	--
6810	646836.2	4167448.9	Worker	Scenario 1	1.20E-01	2.43E-04	--
6811	646936.2	4167448.9	Worker	Scenario 1	1.15E-01	2.33E-04	--
6812	647036.2	4167448.9	Worker	Scenario 1	1.11E-01	2.24E-04	--
6813	636536.2	4167548.9	Worker	Scenario 1	4.52E-03	9.14E-06	--
6814	636636.2	4167548.9	Worker	Scenario 1	4.85E-03	9.79E-06	--
6815	636736.2	4167548.9	Worker	Scenario 1	4.97E-03	1.00E-05	--
6816	636836.2	4167548.9	Worker	Scenario 1	5.11E-03	1.03E-05	--
6817	636936.2	4167548.9	Worker	Scenario 1	4.81E-03	9.71E-06	--
6818	637036.2	4167548.9	Worker	Scenario 1	4.72E-03	9.53E-06	--
6819	637136.2	4167548.9	Worker	Scenario 1	5.12E-03	1.03E-05	--
6820	637236.2	4167548.9	Worker	Scenario 1	5.46E-03	1.10E-05	--
6821	637336.2	4167548.9	Worker	Scenario 1	5.42E-03	1.09E-05	--
6822	637436.2	4167548.9	Worker	Scenario 1	6.16E-03	1.24E-05	--
6823	637536.2	4167548.9	Worker	Scenario 1	6.12E-03	1.24E-05	--
6824	637636.2	4167548.9	Worker	Scenario 1	7.24E-03	1.46E-05	--
6825	637736.2	4167548.9	Worker	Scenario 1	7.20E-03	1.45E-05	--
6826	637836.2	4167548.9	Worker	Scenario 1	7.34E-03	1.48E-05	--
6827	637936.2	4167548.9	Worker	Scenario 1	8.76E-03	1.77E-05	--
6828	638036.2	4167548.9	Worker	Scenario 1	9.06E-03	1.83E-05	--
6829	638136.2	4167548.9	Worker	Scenario 1	8.46E-03	1.71E-05	--
6830	638236.2	4167548.9	Worker	Scenario 1	9.71E-03	1.96E-05	--
6831	638336.2	4167548.9	Worker	Scenario 1	9.39E-03	1.90E-05	--
6832	638436.2	4167548.9	Worker	Scenario 1	1.07E-02	2.17E-05	--
6833	638536.2	4167548.9	Worker	Scenario 1	1.06E-02	2.13E-05	--
6834	638636.2	4167548.9	Worker	Scenario 1	1.08E-02	2.18E-05	--
6835	638736.2	4167548.9	Worker	Scenario 1	1.15E-02	2.32E-05	--
6836	638836.2	4167548.9	Worker	Scenario 1	1.18E-02	2.38E-05	--
6837	638936.2	4167548.9	Worker	Scenario 1	1.25E-02	2.52E-05	--
6838	639036.2	4167548.9	Worker	Scenario 1	1.30E-02	2.62E-05	--
6839	639136.2	4167548.9	Worker	Scenario 1	1.36E-02	2.74E-05	--
6840	639236.2	4167548.9	Worker	Scenario 1	1.43E-02	2.90E-05	--
6841	639336.2	4167548.9	Worker	Scenario 1	1.52E-02	3.07E-05	--
6842	639436.2	4167548.9	Worker	Scenario 1	1.61E-02	3.26E-05	--
6843	639536.2	4167548.9	Worker	Scenario 1	1.71E-02	3.45E-05	--
6844	639636.2	4167548.9	Worker	Scenario 1	1.83E-02	3.69E-05	--
6845	639736.2	4167548.9	Worker	Scenario 1	1.93E-02	3.89E-05	--
6846	639836.2	4167548.9	Worker	Scenario 1	2.05E-02	4.15E-05	--
6847	639936.2	4167548.9	Worker	Scenario 1	2.20E-02	4.44E-05	--
6848	640036.2	4167548.9	Worker	Scenario 1	2.36E-02	4.77E-05	--
6849	640236.2	4167548.9	Worker	Scenario 1	2.77E-02	5.59E-05	--
6850	640336.2	4167548.9	Worker	Scenario 1	3.02E-02	6.09E-05	--
6851	640436.2	4167548.9	Worker	Scenario 1	3.26E-02	6.58E-05	--
6852	644536.2	4167548.9	Worker	Scenario 1	4.87E-01	9.83E-04	--
6853	644736.2	4167548.9	Worker	Scenario 1	4.03E-01	8.14E-04	--
6854	644836.2	4167548.9	Worker	Scenario 1	3.70E-01	7.47E-04	--
6855	644936.2	4167548.9	Worker	Scenario 1	3.41E-01	6.88E-04	--
6856	645036.2	4167548.9	Worker	Scenario 1	3.16E-01	6.37E-04	--
6857	645136.2	4167548.9	Worker	Scenario 1	2.93E-01	5.92E-04	--
6858	645236.2	4167548.9	Worker	Scenario 1	2.74E-01	5.53E-04	--
6859	645336.2	4167548.9	Worker	Scenario 1	2.56E-01	5.18E-04	--
6860	645436.2	4167548.9	Worker	Scenario 1	2.40E-01	4.86E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6861	645536.2	4167548.9	Worker	Scenario 1	2.26E-01	4.57E-04	--
6862	645636.2	4167548.9	Worker	Scenario 1	2.13E-01	4.29E-04	--
6863	645736.2	4167548.9	Worker	Scenario 1	2.01E-01	4.06E-04	--
6864	645836.2	4167548.9	Worker	Scenario 1	1.90E-01	3.85E-04	--
6865	645936.2	4167548.9	Worker	Scenario 1	1.80E-01	3.64E-04	--
6866	646036.2	4167548.9	Worker	Scenario 1	1.71E-01	3.46E-04	--
6867	646236.2	4167548.9	Worker	Scenario 1	1.55E-01	3.13E-04	--
6868	646336.2	4167548.9	Worker	Scenario 1	1.48E-01	2.99E-04	--
6869	646436.2	4167548.9	Worker	Scenario 1	1.41E-01	2.85E-04	--
6870	646536.2	4167548.9	Worker	Scenario 1	1.35E-01	2.73E-04	--
6871	646636.2	4167548.9	Worker	Scenario 1	1.30E-01	2.62E-04	--
6872	646736.2	4167548.9	Worker	Scenario 1	1.24E-01	2.51E-04	--
6873	646836.2	4167548.9	Worker	Scenario 1	1.19E-01	2.41E-04	--
6874	646936.2	4167548.9	Worker	Scenario 1	1.15E-01	2.32E-04	--
6875	647036.2	4167548.9	Worker	Scenario 1	1.10E-01	2.23E-04	--
6876	636436.2	4167648.9	Worker	Scenario 1	4.53E-03	9.15E-06	--
6877	636536.2	4167648.9	Worker	Scenario 1	4.81E-03	9.72E-06	--
6878	636636.2	4167648.9	Worker	Scenario 1	5.18E-03	1.05E-05	--
6879	636736.2	4167648.9	Worker	Scenario 1	5.07E-03	1.02E-05	--
6880	636836.2	4167648.9	Worker	Scenario 1	5.31E-03	1.07E-05	--
6881	636936.2	4167648.9	Worker	Scenario 1	5.21E-03	1.05E-05	--
6882	637036.2	4167648.9	Worker	Scenario 1	5.03E-03	1.02E-05	--
6883	637136.2	4167648.9	Worker	Scenario 1	5.40E-03	1.09E-05	--
6884	637236.2	4167648.9	Worker	Scenario 1	5.40E-03	1.09E-05	--
6885	637336.2	4167648.9	Worker	Scenario 1	5.83E-03	1.18E-05	--
6886	637436.2	4167648.9	Worker	Scenario 1	6.53E-03	1.32E-05	--
6887	637536.2	4167648.9	Worker	Scenario 1	6.02E-03	1.22E-05	--
6888	637636.2	4167648.9	Worker	Scenario 1	7.02E-03	1.42E-05	--
6889	637736.2	4167648.9	Worker	Scenario 1	7.53E-03	1.52E-05	--
6890	637836.2	4167648.9	Worker	Scenario 1	7.13E-03	1.44E-05	--
6891	637936.2	4167648.9	Worker	Scenario 1	8.22E-03	1.66E-05	--
6892	638036.2	4167648.9	Worker	Scenario 1	9.48E-03	1.91E-05	--
6893	638136.2	4167648.9	Worker	Scenario 1	8.73E-03	1.76E-05	--
6894	638236.2	4167648.9	Worker	Scenario 1	9.31E-03	1.88E-05	--
6895	638336.2	4167648.9	Worker	Scenario 1	9.86E-03	1.99E-05	--
6896	638436.2	4167648.9	Worker	Scenario 1	1.04E-02	2.10E-05	--
6897	638536.2	4167648.9	Worker	Scenario 1	1.12E-02	2.27E-05	--
6898	638636.2	4167648.9	Worker	Scenario 1	1.10E-02	2.22E-05	--
6899	638736.2	4167648.9	Worker	Scenario 1	1.16E-02	2.35E-05	--
6900	638836.2	4167648.9	Worker	Scenario 1	1.20E-02	2.43E-05	--
6901	638936.2	4167648.9	Worker	Scenario 1	1.27E-02	2.56E-05	--
6902	639036.2	4167648.9	Worker	Scenario 1	1.32E-02	2.66E-05	--
6903	639136.2	4167648.9	Worker	Scenario 1	1.38E-02	2.79E-05	--
6904	639236.2	4167648.9	Worker	Scenario 1	1.46E-02	2.94E-05	--
6905	639336.2	4167648.9	Worker	Scenario 1	1.55E-02	3.12E-05	--
6906	639436.2	4167648.9	Worker	Scenario 1	1.66E-02	3.34E-05	--
6907	639536.2	4167648.9	Worker	Scenario 1	1.74E-02	3.52E-05	--
6908	639636.2	4167648.9	Worker	Scenario 1	1.86E-02	3.75E-05	--
6909	639736.2	4167648.9	Worker	Scenario 1	1.99E-02	4.02E-05	--
6910	639836.2	4167648.9	Worker	Scenario 1	2.09E-02	4.23E-05	--
6911	639936.2	4167648.9	Worker	Scenario 1	2.24E-02	4.53E-05	--
6912	640136.2	4167648.9	Worker	Scenario 1	2.61E-02	5.27E-05	--
6913	643436.2	4167648.9	Worker	Scenario 1	1.64E+00	3.31E-03	--
6914	643536.2	4167648.9	Worker	Scenario 1	1.49E+00	3.00E-03	--
6915	643636.2	4167648.9	Worker	Scenario 1	1.30E+00	2.63E-03	--
6916	643736.2	4167648.9	Worker	Scenario 1	1.13E+00	2.28E-03	--
6917	643836.2	4167648.9	Worker	Scenario 1	9.88E-01	2.00E-03	--
6918	643936.2	4167648.9	Worker	Scenario 1	8.67E-01	1.75E-03	--
6919	644036.2	4167648.9	Worker	Scenario 1	7.67E-01	1.55E-03	--
6920	644136.2	4167648.9	Worker	Scenario 1	6.80E-01	1.37E-03	--
6921	644236.2	4167648.9	Worker	Scenario 1	6.08E-01	1.23E-03	--
6922	644336.2	4167648.9	Worker	Scenario 1	5.48E-01	1.11E-03	--
6923	644436.2	4167648.9	Worker	Scenario 1	4.96E-01	1.00E-03	--
6924	644536.2	4167648.9	Worker	Scenario 1	4.52E-01	9.12E-04	--
6925	645136.2	4167648.9	Worker	Scenario 1	2.81E-01	5.67E-04	--
6926	645336.2	4167648.9	Worker	Scenario 1	2.47E-01	4.99E-04	--
6927	645436.2	4167648.9	Worker	Scenario 1	2.32E-01	4.69E-04	--
6928	645536.2	4167648.9	Worker	Scenario 1	2.19E-01	4.42E-04	--
6929	645636.2	4167648.9	Worker	Scenario 1	2.06E-01	4.17E-04	--
6930	645736.2	4167648.9	Worker	Scenario 1	1.95E-01	3.95E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6931	645836.2	4167648.9	Worker	Scenario 1	1.85E-01	3.74E-04	--
6932	645936.2	4167648.9	Worker	Scenario 1	1.76E-01	3.55E-04	--
6933	646036.2	4167648.9	Worker	Scenario 1	1.67E-01	3.38E-04	--
6934	646236.2	4167648.9	Worker	Scenario 1	1.52E-01	3.07E-04	--
6935	646336.2	4167648.9	Worker	Scenario 1	1.45E-01	2.93E-04	--
6936	646436.2	4167648.9	Worker	Scenario 1	1.39E-01	2.80E-04	--
6937	646536.2	4167648.9	Worker	Scenario 1	1.33E-01	2.68E-04	--
6938	646636.2	4167648.9	Worker	Scenario 1	1.27E-01	2.57E-04	--
6939	646736.2	4167648.9	Worker	Scenario 1	1.22E-01	2.47E-04	--
6940	646836.2	4167648.9	Worker	Scenario 1	1.17E-01	2.37E-04	--
6941	646936.2	4167648.9	Worker	Scenario 1	1.13E-01	2.28E-04	--
6942	647036.2	4167648.9	Worker	Scenario 1	1.09E-01	2.20E-04	--
6943	636336.2	4167748.9	Worker	Scenario 1	4.08E-03	8.25E-06	--
6944	636436.2	4167748.9	Worker	Scenario 1	4.50E-03	9.10E-06	--
6945	636536.2	4167748.9	Worker	Scenario 1	4.45E-03	8.98E-06	--
6946	636636.2	4167748.9	Worker	Scenario 1	5.12E-03	1.03E-05	--
6947	636736.2	4167748.9	Worker	Scenario 1	5.52E-03	1.12E-05	--
6948	636836.2	4167748.9	Worker	Scenario 1	5.89E-03	1.19E-05	--
6949	636936.2	4167748.9	Worker	Scenario 1	6.04E-03	1.22E-05	--
6950	637036.2	4167748.9	Worker	Scenario 1	5.84E-03	1.18E-05	--
6951	637136.2	4167748.9	Worker	Scenario 1	5.32E-03	1.07E-05	--
6952	637236.2	4167748.9	Worker	Scenario 1	5.57E-03	1.12E-05	--
6953	637336.2	4167748.9	Worker	Scenario 1	5.73E-03	1.16E-05	--
6954	637436.2	4167748.9	Worker	Scenario 1	6.78E-03	1.37E-05	--
6955	637536.2	4167748.9	Worker	Scenario 1	6.27E-03	1.27E-05	--
6956	637636.2	4167748.9	Worker	Scenario 1	7.32E-03	1.48E-05	--
6957	637736.2	4167748.9	Worker	Scenario 1	7.92E-03	1.60E-05	--
6958	637836.2	4167748.9	Worker	Scenario 1	7.74E-03	1.56E-05	--
6959	637936.2	4167748.9	Worker	Scenario 1	8.98E-03	1.81E-05	--
6960	638036.2	4167748.9	Worker	Scenario 1	9.66E-03	1.95E-05	--
6961	638136.2	4167748.9	Worker	Scenario 1	8.91E-03	1.80E-05	--
6962	638236.2	4167748.9	Worker	Scenario 1	1.01E-02	2.05E-05	--
6963	638336.2	4167748.9	Worker	Scenario 1	9.88E-03	2.00E-05	--
6964	638436.2	4167748.9	Worker	Scenario 1	1.09E-02	2.21E-05	--
6965	638536.2	4167748.9	Worker	Scenario 1	1.16E-02	2.34E-05	--
6966	638636.2	4167748.9	Worker	Scenario 1	1.13E-02	2.28E-05	--
6967	638736.2	4167748.9	Worker	Scenario 1	1.22E-02	2.46E-05	--
6968	638836.2	4167748.9	Worker	Scenario 1	1.24E-02	2.51E-05	--
6969	638936.2	4167748.9	Worker	Scenario 1	1.31E-02	2.64E-05	--
6970	639036.2	4167748.9	Worker	Scenario 1	1.36E-02	2.75E-05	--
6971	639136.2	4167748.9	Worker	Scenario 1	1.42E-02	2.88E-05	--
6972	639236.2	4167748.9	Worker	Scenario 1	1.49E-02	3.01E-05	--
6973	639336.2	4167748.9	Worker	Scenario 1	1.59E-02	3.21E-05	--
6974	639436.2	4167748.9	Worker	Scenario 1	1.68E-02	3.40E-05	--
6975	639536.2	4167748.9	Worker	Scenario 1	1.80E-02	3.63E-05	--
6976	639636.2	4167748.9	Worker	Scenario 1	1.91E-02	3.86E-05	--
6977	639736.2	4167748.9	Worker	Scenario 1	2.06E-02	4.17E-05	--
6978	640036.2	4167748.9	Worker	Scenario 1	2.50E-02	5.04E-05	--
6979	643336.2	4167748.9	Worker	Scenario 1	6.05E-01	1.22E-03	--
6980	643436.2	4167748.9	Worker	Scenario 1	7.01E-01	1.42E-03	--
6981	643536.2	4167748.9	Worker	Scenario 1	7.67E-01	1.55E-03	--
6982	643636.2	4167748.9	Worker	Scenario 1	7.81E-01	1.58E-03	--
6983	643736.2	4167748.9	Worker	Scenario 1	7.51E-01	1.52E-03	--
6984	643836.2	4167748.9	Worker	Scenario 1	7.11E-01	1.44E-03	--
6985	643936.2	4167748.9	Worker	Scenario 1	6.61E-01	1.34E-03	--
6986	644036.2	4167748.9	Worker	Scenario 1	6.10E-01	1.23E-03	--
6987	644336.2	4167748.9	Worker	Scenario 1	4.75E-01	9.58E-04	--
6988	644436.2	4167748.9	Worker	Scenario 1	4.35E-01	8.79E-04	--
6989	644636.2	4167748.9	Worker	Scenario 1	3.73E-01	7.53E-04	--
6990	644736.2	4167748.9	Worker	Scenario 1	3.46E-01	6.98E-04	--
6991	644836.2	4167748.9	Worker	Scenario 1	3.22E-01	6.50E-04	--
6992	644936.2	4167748.9	Worker	Scenario 1	3.00E-01	6.06E-04	--
6993	646036.2	4167748.9	Worker	Scenario 1	1.61E-01	3.26E-04	--
6994	646236.2	4167748.9	Worker	Scenario 1	1.47E-01	2.97E-04	--
6995	646336.2	4167748.9	Worker	Scenario 1	1.41E-01	2.84E-04	--
6996	646436.2	4167748.9	Worker	Scenario 1	1.35E-01	2.72E-04	--
6997	646536.2	4167748.9	Worker	Scenario 1	1.29E-01	2.61E-04	--
6998	646636.2	4167748.9	Worker	Scenario 1	1.24E-01	2.50E-04	--
6999	646736.2	4167748.9	Worker	Scenario 1	1.19E-01	2.41E-04	--
7000	646836.2	4167748.9	Worker	Scenario 1	1.15E-01	2.31E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7001	646936.2	4167748.9	Worker	Scenario 1	1.10E-01	2.23E-04	--
7002	647036.2	4167748.9	Worker	Scenario 1	1.06E-01	2.15E-04	--
7003	636236.2	4167848.9	Worker	Scenario 1	3.92E-03	7.91E-06	--
7004	636336.2	4167848.9	Worker	Scenario 1	4.16E-03	8.41E-06	--
7005	636436.2	4167848.9	Worker	Scenario 1	4.13E-03	8.35E-06	--
7006	636536.2	4167848.9	Worker	Scenario 1	4.41E-03	8.92E-06	--
7007	636636.2	4167848.9	Worker	Scenario 1	4.38E-03	8.85E-06	--
7008	636736.2	4167848.9	Worker	Scenario 1	4.70E-03	9.49E-06	--
7009	636836.2	4167848.9	Worker	Scenario 1	5.74E-03	1.16E-05	--
7010	636936.2	4167848.9	Worker	Scenario 1	6.48E-03	1.31E-05	--
7011	637036.2	4167848.9	Worker	Scenario 1	6.12E-03	1.24E-05	--
7012	637136.2	4167848.9	Worker	Scenario 1	5.38E-03	1.09E-05	--
7013	637236.2	4167848.9	Worker	Scenario 1	6.14E-03	1.24E-05	--
7014	637336.2	4167848.9	Worker	Scenario 1	6.24E-03	1.26E-05	--
7015	637436.2	4167848.9	Worker	Scenario 1	6.74E-03	1.36E-05	--
7016	637536.2	4167848.9	Worker	Scenario 1	6.99E-03	1.41E-05	--
7017	637636.2	4167848.9	Worker	Scenario 1	7.10E-03	1.43E-05	--
7018	637736.2	4167848.9	Worker	Scenario 1	8.29E-03	1.68E-05	--
7019	637836.2	4167848.9	Worker	Scenario 1	8.26E-03	1.67E-05	--
7020	637936.2	4167848.9	Worker	Scenario 1	8.69E-03	1.75E-05	--
7021	638036.2	4167848.9	Worker	Scenario 1	1.00E-02	2.03E-05	--
7022	638136.2	4167848.9	Worker	Scenario 1	9.44E-03	1.91E-05	--
7023	638236.2	4167848.9	Worker	Scenario 1	1.03E-02	2.09E-05	--
7024	638336.2	4167848.9	Worker	Scenario 1	1.04E-02	2.11E-05	--
7025	638436.2	4167848.9	Worker	Scenario 1	1.09E-02	2.20E-05	--
7026	638536.2	4167848.9	Worker	Scenario 1	1.17E-02	2.37E-05	--
7027	638636.2	4167848.9	Worker	Scenario 1	1.18E-02	2.37E-05	--
7028	638736.2	4167848.9	Worker	Scenario 1	1.26E-02	2.55E-05	--
7029	638836.2	4167848.9	Worker	Scenario 1	1.29E-02	2.61E-05	--
7030	638936.2	4167848.9	Worker	Scenario 1	1.35E-02	2.74E-05	--
7031	639036.2	4167848.9	Worker	Scenario 1	1.41E-02	2.85E-05	--
7032	639136.2	4167848.9	Worker	Scenario 1	1.47E-02	2.98E-05	--
7033	639236.2	4167848.9	Worker	Scenario 1	1.55E-02	3.14E-05	--
7034	639336.2	4167848.9	Worker	Scenario 1	1.65E-02	3.33E-05	--
7035	639436.2	4167848.9	Worker	Scenario 1	1.74E-02	3.52E-05	--
7036	639536.2	4167848.9	Worker	Scenario 1	1.86E-02	3.75E-05	--
7037	639636.2	4167848.9	Worker	Scenario 1	1.99E-02	4.01E-05	--
7038	639836.2	4167848.9	Worker	Scenario 1	2.24E-02	4.53E-05	--
7039	643336.2	4167848.9	Worker	Scenario 1	4.14E-01	8.36E-04	--
7040	643436.2	4167848.9	Worker	Scenario 1	4.17E-01	8.42E-04	--
7041	643536.2	4167848.9	Worker	Scenario 1	4.42E-01	8.92E-04	--
7042	643636.2	4167848.9	Worker	Scenario 1	4.72E-01	9.52E-04	--
7043	643736.2	4167848.9	Worker	Scenario 1	4.88E-01	9.86E-04	--
7044	643836.2	4167848.9	Worker	Scenario 1	4.90E-01	9.90E-04	--
7045	643936.2	4167848.9	Worker	Scenario 1	4.81E-01	9.72E-04	--
7046	644036.2	4167848.9	Worker	Scenario 1	4.64E-01	9.37E-04	--
7047	644136.2	4167848.9	Worker	Scenario 1	4.42E-01	8.92E-04	--
7048	644236.2	4167848.9	Worker	Scenario 1	4.18E-01	8.44E-04	--
7049	644336.2	4167848.9	Worker	Scenario 1	3.94E-01	7.95E-04	--
7050	644436.2	4167848.9	Worker	Scenario 1	3.70E-01	7.47E-04	--
7051	644536.2	4167848.9	Worker	Scenario 1	3.48E-01	7.02E-04	--
7052	644636.2	4167848.9	Worker	Scenario 1	3.27E-01	6.60E-04	--
7053	644736.2	4167848.9	Worker	Scenario 1	3.07E-01	6.20E-04	--
7054	644836.2	4167848.9	Worker	Scenario 1	2.88E-01	5.83E-04	--
7055	644936.2	4167848.9	Worker	Scenario 1	2.71E-01	5.48E-04	--
7056	645036.2	4167848.9	Worker	Scenario 1	2.55E-01	5.16E-04	--
7057	645136.2	4167848.9	Worker	Scenario 1	2.42E-01	4.88E-04	--
7058	645236.2	4167848.9	Worker	Scenario 1	2.29E-01	4.62E-04	--
7059	645336.2	4167848.9	Worker	Scenario 1	2.17E-01	4.38E-04	--
7060	645436.2	4167848.9	Worker	Scenario 1	2.06E-01	4.17E-04	--
7061	645536.2	4167848.9	Worker	Scenario 1	1.96E-01	3.95E-04	--
7062	645636.2	4167848.9	Worker	Scenario 1	1.86E-01	3.75E-04	--
7063	645736.2	4167848.9	Worker	Scenario 1	1.77E-01	3.58E-04	--
7064	645836.2	4167848.9	Worker	Scenario 1	1.69E-01	3.41E-04	--
7065	645936.2	4167848.9	Worker	Scenario 1	1.61E-01	3.25E-04	--
7066	646036.2	4167848.9	Worker	Scenario 1	1.54E-01	3.11E-04	--
7067	646236.2	4167848.9	Worker	Scenario 1	1.41E-01	2.85E-04	--
7068	646336.2	4167848.9	Worker	Scenario 1	1.35E-01	2.73E-04	--
7069	646436.2	4167848.9	Worker	Scenario 1	1.30E-01	2.62E-04	--
7070	646536.2	4167848.9	Worker	Scenario 1	1.24E-01	2.51E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7071	646636.2	4167848.9	Worker	Scenario 1	1.20E-01	2.42E-04	--
7072	646736.2	4167848.9	Worker	Scenario 1	1.15E-01	2.33E-04	--
7073	646836.2	4167848.9	Worker	Scenario 1	1.11E-01	2.24E-04	--
7074	646936.2	4167848.9	Worker	Scenario 1	1.07E-01	2.16E-04	--
7075	636136.2	4167948.9	Worker	Scenario 1	4.15E-03	8.37E-06	--
7076	636236.2	4167948.9	Worker	Scenario 1	4.37E-03	8.82E-06	--
7077	636336.2	4167948.9	Worker	Scenario 1	4.20E-03	8.48E-06	--
7078	636436.2	4167948.9	Worker	Scenario 1	4.38E-03	8.84E-06	--
7079	636536.2	4167948.9	Worker	Scenario 1	4.49E-03	9.07E-06	--
7080	636636.2	4167948.9	Worker	Scenario 1	4.80E-03	9.69E-06	--
7081	636736.2	4167948.9	Worker	Scenario 1	5.51E-03	1.11E-05	--
7082	636836.2	4167948.9	Worker	Scenario 1	6.28E-03	1.27E-05	--
7083	636936.2	4167948.9	Worker	Scenario 1	6.51E-03	1.31E-05	--
7084	637036.2	4167948.9	Worker	Scenario 1	6.87E-03	1.39E-05	--
7085	637136.2	4167948.9	Worker	Scenario 1	7.27E-03	1.47E-05	--
7086	637236.2	4167948.9	Worker	Scenario 1	6.48E-03	1.31E-05	--
7087	637336.2	4167948.9	Worker	Scenario 1	6.49E-03	1.31E-05	--
7088	637436.2	4167948.9	Worker	Scenario 1	7.24E-03	1.46E-05	--
7089	637536.2	4167948.9	Worker	Scenario 1	6.97E-03	1.41E-05	--
7090	637636.2	4167948.9	Worker	Scenario 1	7.28E-03	1.47E-05	--
7091	637736.2	4167948.9	Worker	Scenario 1	8.71E-03	1.76E-05	--
7092	637836.2	4167948.9	Worker	Scenario 1	8.83E-03	1.78E-05	--
7093	637936.2	4167948.9	Worker	Scenario 1	8.87E-03	1.79E-05	--
7094	638036.2	4167948.9	Worker	Scenario 1	1.04E-02	2.10E-05	--
7095	638136.2	4167948.9	Worker	Scenario 1	1.01E-02	2.05E-05	--
7096	638236.2	4167948.9	Worker	Scenario 1	1.01E-02	2.04E-05	--
7097	638336.2	4167948.9	Worker	Scenario 1	1.12E-02	2.26E-05	--
7098	638436.2	4167948.9	Worker	Scenario 1	1.12E-02	2.27E-05	--
7099	638536.2	4167948.9	Worker	Scenario 1	1.21E-02	2.45E-05	--
7100	638636.2	4167948.9	Worker	Scenario 1	1.23E-02	2.48E-05	--
7101	638736.2	4167948.9	Worker	Scenario 1	1.30E-02	2.63E-05	--
7102	638836.2	4167948.9	Worker	Scenario 1	1.34E-02	2.71E-05	--
7103	638936.2	4167948.9	Worker	Scenario 1	1.41E-02	2.85E-05	--
7104	639036.2	4167948.9	Worker	Scenario 1	1.46E-02	2.95E-05	--
7105	639136.2	4167948.9	Worker	Scenario 1	1.53E-02	3.09E-05	--
7106	639236.2	4167948.9	Worker	Scenario 1	1.61E-02	3.25E-05	--
7107	639336.2	4167948.9	Worker	Scenario 1	1.71E-02	3.45E-05	--
7108	639436.2	4167948.9	Worker	Scenario 1	1.81E-02	3.65E-05	--
7109	639536.2	4167948.9	Worker	Scenario 1	1.92E-02	3.88E-05	--
7110	639736.2	4167948.9	Worker	Scenario 1	2.19E-02	4.42E-05	--
7111	643236.2	4167948.9	Worker	Scenario 1	3.88E-01	7.83E-04	--
7112	643336.2	4167948.9	Worker	Scenario 1	3.42E-01	6.91E-04	--
7113	643436.2	4167948.9	Worker	Scenario 1	3.22E-01	6.51E-04	--
7114	643536.2	4167948.9	Worker	Scenario 1	3.22E-01	6.49E-04	--
7115	643636.2	4167948.9	Worker	Scenario 1	3.29E-01	6.64E-04	--
7116	643736.2	4167948.9	Worker	Scenario 1	3.39E-01	6.85E-04	--
7117	643836.2	4167948.9	Worker	Scenario 1	3.48E-01	7.03E-04	--
7118	643936.2	4167948.9	Worker	Scenario 1	3.53E-01	7.12E-04	--
7119	644036.2	4167948.9	Worker	Scenario 1	3.51E-01	7.09E-04	--
7120	644136.2	4167948.9	Worker	Scenario 1	3.45E-01	6.96E-04	--
7121	644236.2	4167948.9	Worker	Scenario 1	3.35E-01	6.76E-04	--
7122	644336.2	4167948.9	Worker	Scenario 1	3.22E-01	6.51E-04	--
7123	644436.2	4167948.9	Worker	Scenario 1	3.09E-01	6.23E-04	--
7124	644536.2	4167948.9	Worker	Scenario 1	2.95E-01	5.96E-04	--
7125	644636.2	4167948.9	Worker	Scenario 1	2.81E-01	5.68E-04	--
7126	644736.2	4167948.9	Worker	Scenario 1	2.68E-01	5.41E-04	--
7127	644836.2	4167948.9	Worker	Scenario 1	2.54E-01	5.13E-04	--
7128	644936.2	4167948.9	Worker	Scenario 1	2.41E-01	4.88E-04	--
7129	645036.2	4167948.9	Worker	Scenario 1	2.30E-01	4.64E-04	--
7130	645136.2	4167948.9	Worker	Scenario 1	2.19E-01	4.42E-04	--
7131	645236.2	4167948.9	Worker	Scenario 1	2.08E-01	4.21E-04	--
7132	645336.2	4167948.9	Worker	Scenario 1	1.99E-01	4.02E-04	--
7133	645436.2	4167948.9	Worker	Scenario 1	1.90E-01	3.84E-04	--
7134	645536.2	4167948.9	Worker	Scenario 1	1.81E-01	3.66E-04	--
7135	645636.2	4167948.9	Worker	Scenario 1	1.73E-01	3.50E-04	--
7136	645736.2	4167948.9	Worker	Scenario 1	1.66E-01	3.35E-04	--
7137	645836.2	4167948.9	Worker	Scenario 1	1.58E-01	3.20E-04	--
7138	645936.2	4167948.9	Worker	Scenario 1	1.52E-01	3.07E-04	--
7139	646036.2	4167948.9	Worker	Scenario 1	1.46E-01	2.94E-04	--
7140	646236.2	4167948.9	Worker	Scenario 1	1.34E-01	2.71E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7141	646336.2	4167948.9	Worker	Scenario 1	1.29E-01	2.60E-04	--
7142	646436.2	4167948.9	Worker	Scenario 1	1.24E-01	2.50E-04	--
7143	646536.2	4167948.9	Worker	Scenario 1	1.19E-01	2.40E-04	--
7144	646636.2	4167948.9	Worker	Scenario 1	1.15E-01	2.32E-04	--
7145	646736.2	4167948.9	Worker	Scenario 1	1.11E-01	2.23E-04	--
7146	646836.2	4167948.9	Worker	Scenario 1	1.07E-01	2.15E-04	--
7147	646936.2	4167948.9	Worker	Scenario 1	1.03E-01	2.08E-04	--
7148	636036.2	4168048.9	Worker	Scenario 1	4.24E-03	8.56E-06	--
7149	636136.2	4168048.9	Worker	Scenario 1	4.50E-03	9.08E-06	--
7150	636236.2	4168048.9	Worker	Scenario 1	4.80E-03	9.69E-06	--
7151	636336.2	4168048.9	Worker	Scenario 1	5.01E-03	1.01E-05	--
7152	636436.2	4168048.9	Worker	Scenario 1	5.22E-03	1.05E-05	--
7153	636536.2	4168048.9	Worker	Scenario 1	5.51E-03	1.11E-05	--
7154	636636.2	4168048.9	Worker	Scenario 1	5.68E-03	1.15E-05	--
7155	636736.2	4168048.9	Worker	Scenario 1	5.80E-03	1.17E-05	--
7156	636836.2	4168048.9	Worker	Scenario 1	5.82E-03	1.17E-05	--
7157	636936.2	4168048.9	Worker	Scenario 1	6.04E-03	1.22E-05	--
7158	637036.2	4168048.9	Worker	Scenario 1	6.71E-03	1.36E-05	--
7159	637136.2	4168048.9	Worker	Scenario 1	7.31E-03	1.48E-05	--
7160	637236.2	4168048.9	Worker	Scenario 1	7.85E-03	1.59E-05	--
7161	637336.2	4168048.9	Worker	Scenario 1	6.99E-03	1.41E-05	--
7162	637436.2	4168048.9	Worker	Scenario 1	8.05E-03	1.63E-05	--
7163	637536.2	4168048.9	Worker	Scenario 1	7.22E-03	1.46E-05	--
7164	637636.2	4168048.9	Worker	Scenario 1	8.18E-03	1.65E-05	--
7165	637736.2	4168048.9	Worker	Scenario 1	9.07E-03	1.83E-05	--
7166	637836.2	4168048.9	Worker	Scenario 1	9.01E-03	1.82E-05	--
7167	637936.2	4168048.9	Worker	Scenario 1	9.67E-03	1.95E-05	--
7168	638036.2	4168048.9	Worker	Scenario 1	1.06E-02	2.15E-05	--
7169	638136.2	4168048.9	Worker	Scenario 1	1.06E-02	2.13E-05	--
7170	638236.2	4168048.9	Worker	Scenario 1	1.07E-02	2.16E-05	--
7171	638336.2	4168048.9	Worker	Scenario 1	1.14E-02	2.31E-05	--
7172	638436.2	4168048.9	Worker	Scenario 1	1.17E-02	2.37E-05	--
7173	638536.2	4168048.9	Worker	Scenario 1	1.27E-02	2.56E-05	--
7174	638636.2	4168048.9	Worker	Scenario 1	1.27E-02	2.57E-05	--
7175	638736.2	4168048.9	Worker	Scenario 1	1.36E-02	2.74E-05	--
7176	638836.2	4168048.9	Worker	Scenario 1	1.40E-02	2.82E-05	--
7177	638936.2	4168048.9	Worker	Scenario 1	1.46E-02	2.94E-05	--
7178	639036.2	4168048.9	Worker	Scenario 1	1.51E-02	3.06E-05	--
7179	639136.2	4168048.9	Worker	Scenario 1	1.58E-02	3.20E-05	--
7180	639236.2	4168048.9	Worker	Scenario 1	1.67E-02	3.36E-05	--
7181	639336.2	4168048.9	Worker	Scenario 1	1.76E-02	3.55E-05	--
7182	643136.2	4168048.9	Worker	Scenario 1	3.90E-01	7.88E-04	--
7183	643236.2	4168048.9	Worker	Scenario 1	3.32E-01	6.71E-04	--
7184	643336.2	4168048.9	Worker	Scenario 1	2.95E-01	5.96E-04	--
7185	643436.2	4168048.9	Worker	Scenario 1	2.77E-01	5.60E-04	--
7186	643536.2	4168048.9	Worker	Scenario 1	2.67E-01	5.38E-04	--
7187	643636.2	4168048.9	Worker	Scenario 1	2.63E-01	5.32E-04	--
7188	643736.2	4168048.9	Worker	Scenario 1	2.64E-01	5.33E-04	--
7189	643836.2	4168048.9	Worker	Scenario 1	2.66E-01	5.37E-04	--
7190	643936.2	4168048.9	Worker	Scenario 1	2.69E-01	5.44E-04	--
7191	644036.2	4168048.9	Worker	Scenario 1	2.71E-01	5.48E-04	--
7192	644136.2	4168048.9	Worker	Scenario 1	2.71E-01	5.48E-04	--
7193	644236.2	4168048.9	Worker	Scenario 1	2.69E-01	5.42E-04	--
7194	644336.2	4168048.9	Worker	Scenario 1	2.63E-01	5.32E-04	--
7195	644436.2	4168048.9	Worker	Scenario 1	2.56E-01	5.17E-04	--
7196	644536.2	4168048.9	Worker	Scenario 1	2.49E-01	5.02E-04	--
7197	644636.2	4168048.9	Worker	Scenario 1	2.40E-01	4.84E-04	--
7198	644736.2	4168048.9	Worker	Scenario 1	2.31E-01	4.67E-04	--
7199	644836.2	4168048.9	Worker	Scenario 1	2.22E-01	4.48E-04	--
7200	644936.2	4168048.9	Worker	Scenario 1	2.13E-01	4.30E-04	--
7201	645036.2	4168048.9	Worker	Scenario 1	2.04E-01	4.12E-04	--
7202	645136.2	4168048.9	Worker	Scenario 1	1.96E-01	3.96E-04	--
7203	645236.2	4168048.9	Worker	Scenario 1	1.88E-01	3.80E-04	--
7204	645336.2	4168048.9	Worker	Scenario 1	1.81E-01	3.65E-04	--
7205	645436.2	4168048.9	Worker	Scenario 1	1.74E-01	3.51E-04	--
7206	645536.2	4168048.9	Worker	Scenario 1	1.67E-01	3.37E-04	--
7207	645636.2	4168048.9	Worker	Scenario 1	1.60E-01	3.23E-04	--
7208	645736.2	4168048.9	Worker	Scenario 1	1.54E-01	3.11E-04	--
7209	645836.2	4168048.9	Worker	Scenario 1	1.48E-01	2.98E-04	--
7210	645936.2	4168048.9	Worker	Scenario 1	1.42E-01	2.87E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7211	646036.2	4168048.9	Worker	Scenario 1	1.37E-01	2.76E-04	--
7212	646236.2	4168048.9	Worker	Scenario 1	1.26E-01	2.55E-04	--
7213	646336.2	4168048.9	Worker	Scenario 1	1.22E-01	2.46E-04	--
7214	646436.2	4168048.9	Worker	Scenario 1	1.17E-01	2.37E-04	--
7215	646536.2	4168048.9	Worker	Scenario 1	1.13E-01	2.29E-04	--
7216	646636.2	4168048.9	Worker	Scenario 1	1.09E-01	2.21E-04	--
7217	646736.2	4168048.9	Worker	Scenario 1	1.06E-01	2.13E-04	--
7218	646836.2	4168048.9	Worker	Scenario 1	1.02E-01	2.06E-04	--
7219	646936.2	4168048.9	Worker	Scenario 1	9.87E-02	1.99E-04	--
7220	636036.2	4168148.9	Worker	Scenario 1	4.14E-03	8.35E-06	--
7221	636136.2	4168148.9	Worker	Scenario 1	4.17E-03	8.43E-06	--
7222	636236.2	4168148.9	Worker	Scenario 1	4.16E-03	8.40E-06	--
7223	636336.2	4168148.9	Worker	Scenario 1	4.35E-03	8.79E-06	--
7224	636436.2	4168148.9	Worker	Scenario 1	4.71E-03	9.52E-06	--
7225	636536.2	4168148.9	Worker	Scenario 1	4.88E-03	9.85E-06	--
7226	636636.2	4168148.9	Worker	Scenario 1	5.15E-03	1.04E-05	--
7227	636736.2	4168148.9	Worker	Scenario 1	5.29E-03	1.07E-05	--
7228	636836.2	4168148.9	Worker	Scenario 1	5.63E-03	1.14E-05	--
7229	636936.2	4168148.9	Worker	Scenario 1	6.14E-03	1.24E-05	--
7230	637036.2	4168148.9	Worker	Scenario 1	6.56E-03	1.32E-05	--
7231	637136.2	4168148.9	Worker	Scenario 1	7.23E-03	1.46E-05	--
7232	637236.2	4168148.9	Worker	Scenario 1	7.83E-03	1.58E-05	--
7233	637336.2	4168148.9	Worker	Scenario 1	8.33E-03	1.68E-05	--
7234	637436.2	4168148.9	Worker	Scenario 1	8.57E-03	1.73E-05	--
7235	637536.2	4168148.9	Worker	Scenario 1	7.72E-03	1.56E-05	--
7236	637636.2	4168148.9	Worker	Scenario 1	8.25E-03	1.67E-05	--
7237	637736.2	4168148.9	Worker	Scenario 1	9.30E-03	1.88E-05	--
7238	637836.2	4168148.9	Worker	Scenario 1	9.38E-03	1.89E-05	--
7239	637936.2	4168148.9	Worker	Scenario 1	1.01E-02	2.05E-05	--
7240	638036.2	4168148.9	Worker	Scenario 1	1.10E-02	2.23E-05	--
7241	638136.2	4168148.9	Worker	Scenario 1	1.06E-02	2.15E-05	--
7242	638236.2	4168148.9	Worker	Scenario 1	1.11E-02	2.23E-05	--
7243	638336.2	4168148.9	Worker	Scenario 1	1.20E-02	2.42E-05	--
7244	638436.2	4168148.9	Worker	Scenario 1	1.20E-02	2.42E-05	--
7245	638536.2	4168148.9	Worker	Scenario 1	1.30E-02	2.63E-05	--
7246	638636.2	4168148.9	Worker	Scenario 1	1.31E-02	2.64E-05	--
7247	638736.2	4168148.9	Worker	Scenario 1	1.37E-02	2.78E-05	--
7248	638836.2	4168148.9	Worker	Scenario 1	1.45E-02	2.93E-05	--
7249	638936.2	4168148.9	Worker	Scenario 1	1.50E-02	3.03E-05	--
7250	639036.2	4168148.9	Worker	Scenario 1	1.56E-02	3.15E-05	--
7251	639136.2	4168148.9	Worker	Scenario 1	1.63E-02	3.29E-05	--
7252	639236.2	4168148.9	Worker	Scenario 1	1.71E-02	3.45E-05	--
7253	642936.2	4168148.9	Worker	Scenario 1	3.92E-01	7.93E-04	--
7254	643036.2	4168148.9	Worker	Scenario 1	3.62E-01	7.31E-04	--
7255	643136.2	4168148.9	Worker	Scenario 1	3.26E-01	6.59E-04	--
7256	643236.2	4168148.9	Worker	Scenario 1	2.91E-01	5.87E-04	--
7257	643336.2	4168148.9	Worker	Scenario 1	2.60E-01	5.26E-04	--
7258	643436.2	4168148.9	Worker	Scenario 1	2.44E-01	4.92E-04	--
7259	643536.2	4168148.9	Worker	Scenario 1	2.34E-01	4.72E-04	--
7260	643636.2	4168148.9	Worker	Scenario 1	2.26E-01	4.57E-04	--
7261	643736.2	4168148.9	Worker	Scenario 1	2.22E-01	4.49E-04	--
7262	643836.2	4168148.9	Worker	Scenario 1	2.20E-01	4.44E-04	--
7263	643936.2	4168148.9	Worker	Scenario 1	2.19E-01	4.42E-04	--
7264	644036.2	4168148.9	Worker	Scenario 1	2.19E-01	4.42E-04	--
7265	644136.2	4168148.9	Worker	Scenario 1	2.19E-01	4.42E-04	--
7266	644236.2	4168148.9	Worker	Scenario 1	2.18E-01	4.41E-04	--
7267	644336.2	4168148.9	Worker	Scenario 1	2.17E-01	4.38E-04	--
7268	644436.2	4168148.9	Worker	Scenario 1	2.14E-01	4.31E-04	--
7269	644536.2	4168148.9	Worker	Scenario 1	2.10E-01	4.24E-04	--
7270	644636.2	4168148.9	Worker	Scenario 1	2.05E-01	4.14E-04	--
7271	644736.2	4168148.9	Worker	Scenario 1	2.00E-01	4.03E-04	--
7272	644836.2	4168148.9	Worker	Scenario 1	1.93E-01	3.90E-04	--
7273	644936.2	4168148.9	Worker	Scenario 1	1.87E-01	3.78E-04	--
7274	645036.2	4168148.9	Worker	Scenario 1	1.81E-01	3.65E-04	--
7275	645136.2	4168148.9	Worker	Scenario 1	1.75E-01	3.53E-04	--
7276	645236.2	4168148.9	Worker	Scenario 1	1.69E-01	3.41E-04	--
7277	645336.2	4168148.9	Worker	Scenario 1	1.63E-01	3.30E-04	--
7278	645436.2	4168148.9	Worker	Scenario 1	1.58E-01	3.18E-04	--
7279	645536.2	4168148.9	Worker	Scenario 1	1.52E-01	3.07E-04	--
7280	645636.2	4168148.9	Worker	Scenario 1	1.47E-01	2.96E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7281	645736.2	4168148.9	Worker	Scenario 1	1.42E-01	2.86E-04	--
7282	645836.2	4168148.9	Worker	Scenario 1	1.37E-01	2.76E-04	--
7283	645936.2	4168148.9	Worker	Scenario 1	1.32E-01	2.66E-04	--
7284	646036.2	4168148.9	Worker	Scenario 1	1.27E-01	2.57E-04	--
7285	646236.2	4168148.9	Worker	Scenario 1	1.19E-01	2.39E-04	--
7286	646336.2	4168148.9	Worker	Scenario 1	1.14E-01	2.31E-04	--
7287	646436.2	4168148.9	Worker	Scenario 1	1.11E-01	2.24E-04	--
7288	646536.2	4168148.9	Worker	Scenario 1	1.07E-01	2.16E-04	--
7289	646636.2	4168148.9	Worker	Scenario 1	1.04E-01	2.09E-04	--
7290	646736.2	4168148.9	Worker	Scenario 1	1.00E-01	2.03E-04	--
7291	646836.2	4168148.9	Worker	Scenario 1	9.71E-02	1.96E-04	--
7292	635936.2	4168248.9	Worker	Scenario 1	3.98E-03	8.04E-06	--
7293	636036.2	4168248.9	Worker	Scenario 1	4.07E-03	8.21E-06	--
7294	636136.2	4168248.9	Worker	Scenario 1	4.02E-03	8.12E-06	--
7295	636236.2	4168248.9	Worker	Scenario 1	4.20E-03	8.48E-06	--
7296	636336.2	4168248.9	Worker	Scenario 1	4.38E-03	8.84E-06	--
7297	636436.2	4168248.9	Worker	Scenario 1	4.53E-03	9.14E-06	--
7298	636536.2	4168248.9	Worker	Scenario 1	4.76E-03	9.62E-06	--
7299	636636.2	4168248.9	Worker	Scenario 1	5.00E-03	1.01E-05	--
7300	636736.2	4168248.9	Worker	Scenario 1	5.29E-03	1.07E-05	--
7301	636836.2	4168248.9	Worker	Scenario 1	5.61E-03	1.13E-05	--
7302	636936.2	4168248.9	Worker	Scenario 1	5.99E-03	1.21E-05	--
7303	637036.2	4168248.9	Worker	Scenario 1	6.44E-03	1.30E-05	--
7304	637136.2	4168248.9	Worker	Scenario 1	7.13E-03	1.44E-05	--
7305	637236.2	4168248.9	Worker	Scenario 1	7.81E-03	1.58E-05	--
7306	637336.2	4168248.9	Worker	Scenario 1	8.46E-03	1.71E-05	--
7307	637436.2	4168248.9	Worker	Scenario 1	8.94E-03	1.80E-05	--
7308	637536.2	4168248.9	Worker	Scenario 1	8.13E-03	1.64E-05	--
7309	637636.2	4168248.9	Worker	Scenario 1	8.57E-03	1.73E-05	--
7310	637736.2	4168248.9	Worker	Scenario 1	9.32E-03	1.88E-05	--
7311	637836.2	4168248.9	Worker	Scenario 1	1.00E-02	2.02E-05	--
7312	637936.2	4168248.9	Worker	Scenario 1	1.00E-02	2.02E-05	--
7313	638036.2	4168248.9	Worker	Scenario 1	1.10E-02	2.21E-05	--
7314	638136.2	4168248.9	Worker	Scenario 1	1.11E-02	2.25E-05	--
7315	638236.2	4168248.9	Worker	Scenario 1	1.13E-02	2.29E-05	--
7316	638336.2	4168248.9	Worker	Scenario 1	1.21E-02	2.45E-05	--
7317	638436.2	4168248.9	Worker	Scenario 1	1.24E-02	2.50E-05	--
7318	638536.2	4168248.9	Worker	Scenario 1	1.32E-02	2.67E-05	--
7319	638636.2	4168248.9	Worker	Scenario 1	1.34E-02	2.71E-05	--
7320	638736.2	4168248.9	Worker	Scenario 1	1.40E-02	2.83E-05	--
7321	638836.2	4168248.9	Worker	Scenario 1	1.48E-02	2.98E-05	--
7322	638936.2	4168248.9	Worker	Scenario 1	1.53E-02	3.10E-05	--
7323	639036.2	4168248.9	Worker	Scenario 1	1.60E-02	3.23E-05	--
7324	639136.2	4168248.9	Worker	Scenario 1	1.67E-02	3.37E-05	--
7325	642836.2	4168248.9	Worker	Scenario 1	3.40E-01	6.86E-04	--
7326	642936.2	4168248.9	Worker	Scenario 1	3.25E-01	6.56E-04	--
7327	643036.2	4168248.9	Worker	Scenario 1	3.02E-01	6.09E-04	--
7328	643136.2	4168248.9	Worker	Scenario 1	2.81E-01	5.67E-04	--
7329	643236.2	4168248.9	Worker	Scenario 1	2.56E-01	5.16E-04	--
7330	643336.2	4168248.9	Worker	Scenario 1	2.32E-01	4.69E-04	--
7331	643436.2	4168248.9	Worker	Scenario 1	2.16E-01	4.37E-04	--
7332	643536.2	4168248.9	Worker	Scenario 1	2.08E-01	4.21E-04	--
7333	643636.2	4168248.9	Worker	Scenario 1	2.02E-01	4.07E-04	--
7334	643736.2	4168248.9	Worker	Scenario 1	1.96E-01	3.96E-04	--
7335	643836.2	4168248.9	Worker	Scenario 1	1.91E-01	3.86E-04	--
7336	643936.2	4168248.9	Worker	Scenario 1	1.88E-01	3.80E-04	--
7337	644036.2	4168248.9	Worker	Scenario 1	1.86E-01	3.75E-04	--
7338	644136.2	4168248.9	Worker	Scenario 1	1.84E-01	3.71E-04	--
7339	644236.2	4168248.9	Worker	Scenario 1	1.83E-01	3.69E-04	--
7340	644336.2	4168248.9	Worker	Scenario 1	1.82E-01	3.67E-04	--
7341	644436.2	4168248.9	Worker	Scenario 1	1.80E-01	3.64E-04	--
7342	644536.2	4168248.9	Worker	Scenario 1	1.79E-01	3.61E-04	--
7343	644636.2	4168248.9	Worker	Scenario 1	1.76E-01	3.55E-04	--
7344	644736.2	4168248.9	Worker	Scenario 1	1.73E-01	3.49E-04	--
7345	644836.2	4168248.9	Worker	Scenario 1	1.69E-01	3.41E-04	--
7346	644936.2	4168248.9	Worker	Scenario 1	1.65E-01	3.32E-04	--
7347	645036.2	4168248.9	Worker	Scenario 1	1.60E-01	3.23E-04	--
7348	645136.2	4168248.9	Worker	Scenario 1	1.56E-01	3.15E-04	--
7349	645236.2	4168248.9	Worker	Scenario 1	1.51E-01	3.06E-04	--
7350	645336.2	4168248.9	Worker	Scenario 1	1.47E-01	2.97E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7351	645436.2	4168248.9	Worker	Scenario 1	1.43E-01	2.89E-04	--
7352	645536.2	4168248.9	Worker	Scenario 1	1.38E-01	2.80E-04	--
7353	645636.2	4168248.9	Worker	Scenario 1	1.34E-01	2.71E-04	--
7354	645736.2	4168248.9	Worker	Scenario 1	1.30E-01	2.63E-04	--
7355	645836.2	4168248.9	Worker	Scenario 1	1.26E-01	2.55E-04	--
7356	645936.2	4168248.9	Worker	Scenario 1	1.22E-01	2.46E-04	--
7357	646036.2	4168248.9	Worker	Scenario 1	1.18E-01	2.39E-04	--
7358	646236.2	4168248.9	Worker	Scenario 1	1.11E-01	2.24E-04	--
7359	646336.2	4168248.9	Worker	Scenario 1	1.07E-01	2.17E-04	--
7360	646436.2	4168248.9	Worker	Scenario 1	1.04E-01	2.10E-04	--
7361	646536.2	4168248.9	Worker	Scenario 1	1.01E-01	2.04E-04	--
7362	646636.2	4168248.9	Worker	Scenario 1	9.78E-02	1.97E-04	--
7363	646736.2	4168248.9	Worker	Scenario 1	9.49E-02	1.92E-04	--
7364	646836.2	4168248.9	Worker	Scenario 1	9.21E-02	1.86E-04	--
7365	635936.2	4168348.9	Worker	Scenario 1	3.95E-03	7.97E-06	--
7366	636036.2	4168348.9	Worker	Scenario 1	3.97E-03	8.03E-06	--
7367	636136.2	4168348.9	Worker	Scenario 1	4.15E-03	8.39E-06	--
7368	636236.2	4168348.9	Worker	Scenario 1	4.34E-03	8.76E-06	--
7369	636336.2	4168348.9	Worker	Scenario 1	4.50E-03	9.09E-06	--
7370	636436.2	4168348.9	Worker	Scenario 1	4.74E-03	9.57E-06	--
7371	636536.2	4168348.9	Worker	Scenario 1	4.93E-03	9.96E-06	--
7372	636636.2	4168348.9	Worker	Scenario 1	5.15E-03	1.04E-05	--
7373	636736.2	4168348.9	Worker	Scenario 1	5.47E-03	1.11E-05	--
7374	636836.2	4168348.9	Worker	Scenario 1	5.82E-03	1.18E-05	--
7375	636936.2	4168348.9	Worker	Scenario 1	6.16E-03	1.24E-05	--
7376	637036.2	4168348.9	Worker	Scenario 1	6.50E-03	1.31E-05	--
7377	637136.2	4168348.9	Worker	Scenario 1	6.95E-03	1.40E-05	--
7378	637236.2	4168348.9	Worker	Scenario 1	7.80E-03	1.57E-05	--
7379	637336.2	4168348.9	Worker	Scenario 1	8.57E-03	1.73E-05	--
7380	637436.2	4168348.9	Worker	Scenario 1	9.14E-03	1.85E-05	--
7381	637536.2	4168348.9	Worker	Scenario 1	8.50E-03	1.72E-05	--
7382	637636.2	4168348.9	Worker	Scenario 1	9.12E-03	1.84E-05	--
7383	637736.2	4168348.9	Worker	Scenario 1	9.30E-03	1.88E-05	--
7384	637836.2	4168348.9	Worker	Scenario 1	9.99E-03	2.02E-05	--
7385	637936.2	4168348.9	Worker	Scenario 1	1.06E-02	2.13E-05	--
7386	638036.2	4168348.9	Worker	Scenario 1	1.09E-02	2.20E-05	--
7387	638136.2	4168348.9	Worker	Scenario 1	1.17E-02	2.37E-05	--
7388	638236.2	4168348.9	Worker	Scenario 1	1.17E-02	2.36E-05	--
7389	638336.2	4168348.9	Worker	Scenario 1	1.23E-02	2.49E-05	--
7390	638436.2	4168348.9	Worker	Scenario 1	1.26E-02	2.55E-05	--
7391	638536.2	4168348.9	Worker	Scenario 1	1.35E-02	2.73E-05	--
7392	638636.2	4168348.9	Worker	Scenario 1	1.37E-02	2.76E-05	--
7393	638736.2	4168348.9	Worker	Scenario 1	1.43E-02	2.90E-05	--
7394	638836.2	4168348.9	Worker	Scenario 1	1.50E-02	3.04E-05	--
7395	638936.2	4168348.9	Worker	Scenario 1	1.57E-02	3.16E-05	--
7396	642636.2	4168348.9	Worker	Scenario 1	2.93E-01	5.92E-04	--
7397	642736.2	4168348.9	Worker	Scenario 1	2.93E-01	5.92E-04	--
7398	642836.2	4168348.9	Worker	Scenario 1	2.86E-01	5.78E-04	--
7399	642936.2	4168348.9	Worker	Scenario 1	2.76E-01	5.57E-04	--
7400	643036.2	4168348.9	Worker	Scenario 1	2.60E-01	5.25E-04	--
7401	643136.2	4168348.9	Worker	Scenario 1	2.44E-01	4.94E-04	--
7402	643236.2	4168348.9	Worker	Scenario 1	2.27E-01	4.59E-04	--
7403	643336.2	4168348.9	Worker	Scenario 1	2.09E-01	4.22E-04	--
7404	643436.2	4168348.9	Worker	Scenario 1	1.95E-01	3.94E-04	--
7405	643536.2	4168348.9	Worker	Scenario 1	1.87E-01	3.79E-04	--
7406	643636.2	4168348.9	Worker	Scenario 1	1.83E-01	3.69E-04	--
7407	643736.2	4168348.9	Worker	Scenario 1	1.77E-01	3.57E-04	--
7408	643836.2	4168348.9	Worker	Scenario 1	1.71E-01	3.46E-04	--
7409	643936.2	4168348.9	Worker	Scenario 1	1.67E-01	3.38E-04	--
7410	644036.2	4168348.9	Worker	Scenario 1	1.64E-01	3.32E-04	--
7411	644136.2	4168348.9	Worker	Scenario 1	1.61E-01	3.26E-04	--
7412	644236.2	4168348.9	Worker	Scenario 1	1.59E-01	3.21E-04	--
7413	644336.2	4168348.9	Worker	Scenario 1	1.56E-01	3.16E-04	--
7414	644436.2	4168348.9	Worker	Scenario 1	1.55E-01	3.13E-04	--
7415	644536.2	4168348.9	Worker	Scenario 1	1.54E-01	3.10E-04	--
7416	644636.2	4168348.9	Worker	Scenario 1	1.52E-01	3.08E-04	--
7417	644736.2	4168348.9	Worker	Scenario 1	1.51E-01	3.04E-04	--
7418	644836.2	4168348.9	Worker	Scenario 1	1.48E-01	2.99E-04	--
7419	644936.2	4168348.9	Worker	Scenario 1	1.45E-01	2.94E-04	--
7420	645036.2	4168348.9	Worker	Scenario 1	1.42E-01	2.87E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7421	645136.2	4168348.9	Worker	Scenario 1	1.39E-01	2.81E-04	--
7422	645236.2	4168348.9	Worker	Scenario 1	1.36E-01	2.75E-04	--
7423	645336.2	4168348.9	Worker	Scenario 1	1.33E-01	2.69E-04	--
7424	645436.2	4168348.9	Worker	Scenario 1	1.30E-01	2.62E-04	--
7425	645536.2	4168348.9	Worker	Scenario 1	1.26E-01	2.54E-04	--
7426	645636.2	4168348.9	Worker	Scenario 1	1.23E-01	2.48E-04	--
7427	645736.2	4168348.9	Worker	Scenario 1	1.19E-01	2.41E-04	--
7428	645836.2	4168348.9	Worker	Scenario 1	1.16E-01	2.34E-04	--
7429	645936.2	4168348.9	Worker	Scenario 1	1.13E-01	2.27E-04	--
7430	646036.2	4168348.9	Worker	Scenario 1	1.09E-01	2.21E-04	--
7431	646236.2	4168348.9	Worker	Scenario 1	1.03E-01	2.08E-04	--
7432	646336.2	4168348.9	Worker	Scenario 1	1.00E-01	2.02E-04	--
7433	646436.2	4168348.9	Worker	Scenario 1	9.73E-02	1.97E-04	--
7434	646536.2	4168348.9	Worker	Scenario 1	9.46E-02	1.91E-04	--
7435	646636.2	4168348.9	Worker	Scenario 1	9.20E-02	1.86E-04	--
7436	646736.2	4168348.9	Worker	Scenario 1	8.95E-02	1.81E-04	--
7437	646836.2	4168348.9	Worker	Scenario 1	8.70E-02	1.76E-04	--
7438	635836.2	4168448.9	Worker	Scenario 1	3.77E-03	7.62E-06	--
7439	635936.2	4168448.9	Worker	Scenario 1	3.91E-03	7.90E-06	--
7440	636036.2	4168448.9	Worker	Scenario 1	4.07E-03	8.22E-06	--
7441	636136.2	4168448.9	Worker	Scenario 1	4.24E-03	8.56E-06	--
7442	636236.2	4168448.9	Worker	Scenario 1	4.46E-03	9.01E-06	--
7443	636336.2	4168448.9	Worker	Scenario 1	4.90E-03	9.91E-06	--
7444	636436.2	4168448.9	Worker	Scenario 1	4.80E-03	9.70E-06	--
7445	636536.2	4168448.9	Worker	Scenario 1	5.04E-03	1.02E-05	--
7446	636636.2	4168448.9	Worker	Scenario 1	5.37E-03	1.09E-05	--
7447	636736.2	4168448.9	Worker	Scenario 1	5.59E-03	1.13E-05	--
7448	636836.2	4168448.9	Worker	Scenario 1	5.92E-03	1.20E-05	--
7449	636936.2	4168448.9	Worker	Scenario 1	6.26E-03	1.26E-05	--
7450	637036.2	4168448.9	Worker	Scenario 1	6.87E-03	1.39E-05	--
7451	637136.2	4168448.9	Worker	Scenario 1	7.08E-03	1.43E-05	--
7452	637236.2	4168448.9	Worker	Scenario 1	7.61E-03	1.54E-05	--
7453	637336.2	4168448.9	Worker	Scenario 1	8.63E-03	1.74E-05	--
7454	637436.2	4168448.9	Worker	Scenario 1	9.19E-03	1.86E-05	--
7455	637536.2	4168448.9	Worker	Scenario 1	8.67E-03	1.75E-05	--
7456	637636.2	4168448.9	Worker	Scenario 1	9.30E-03	1.88E-05	--
7457	637736.2	4168448.9	Worker	Scenario 1	9.62E-03	1.94E-05	--
7458	637836.2	4168448.9	Worker	Scenario 1	1.00E-02	2.02E-05	--
7459	637936.2	4168448.9	Worker	Scenario 1	1.06E-02	2.15E-05	--
7460	638036.2	4168448.9	Worker	Scenario 1	1.10E-02	2.22E-05	--
7461	638136.2	4168448.9	Worker	Scenario 1	1.17E-02	2.37E-05	--
7462	638236.2	4168448.9	Worker	Scenario 1	1.19E-02	2.41E-05	--
7463	638336.2	4168448.9	Worker	Scenario 1	1.25E-02	2.52E-05	--
7464	638436.2	4168448.9	Worker	Scenario 1	1.29E-02	2.61E-05	--
7465	638536.2	4168448.9	Worker	Scenario 1	1.37E-02	2.77E-05	--
7466	638636.2	4168448.9	Worker	Scenario 1	1.40E-02	2.82E-05	--
7467	638736.2	4168448.9	Worker	Scenario 1	1.47E-02	2.97E-05	--
7468	638836.2	4168448.9	Worker	Scenario 1	1.53E-02	3.10E-05	--
7469	642536.2	4168448.9	Worker	Scenario 1	2.52E-01	5.10E-04	--
7470	642636.2	4168448.9	Worker	Scenario 1	2.54E-01	5.12E-04	--
7471	642736.2	4168448.9	Worker	Scenario 1	2.52E-01	5.09E-04	--
7472	642836.2	4168448.9	Worker	Scenario 1	2.48E-01	5.00E-04	--
7473	642936.2	4168448.9	Worker	Scenario 1	2.40E-01	4.84E-04	--
7474	643036.2	4168448.9	Worker	Scenario 1	2.28E-01	4.60E-04	--
7475	643136.2	4168448.9	Worker	Scenario 1	2.17E-01	4.38E-04	--
7476	643236.2	4168448.9	Worker	Scenario 1	2.04E-01	4.12E-04	--
7477	643336.2	4168448.9	Worker	Scenario 1	1.90E-01	3.84E-04	--
7478	643436.2	4168448.9	Worker	Scenario 1	1.78E-01	3.59E-04	--
7479	643536.2	4168448.9	Worker	Scenario 1	1.70E-01	3.43E-04	--
7480	643636.2	4168448.9	Worker	Scenario 1	1.66E-01	3.34E-04	--
7481	643736.2	4168448.9	Worker	Scenario 1	1.61E-01	3.26E-04	--
7482	643836.2	4168448.9	Worker	Scenario 1	1.56E-01	3.15E-04	--
7483	643936.2	4168448.9	Worker	Scenario 1	1.52E-01	3.06E-04	--
7484	644036.2	4168448.9	Worker	Scenario 1	1.48E-01	3.00E-04	--
7485	644136.2	4168448.9	Worker	Scenario 1	1.45E-01	2.93E-04	--
7486	644236.2	4168448.9	Worker	Scenario 1	1.42E-01	2.87E-04	--
7487	644336.2	4168448.9	Worker	Scenario 1	1.39E-01	2.80E-04	--
7488	644436.2	4168448.9	Worker	Scenario 1	1.36E-01	2.76E-04	--
7489	644536.2	4168448.9	Worker	Scenario 1	1.35E-01	2.72E-04	--
7490	644636.2	4168448.9	Worker	Scenario 1	1.34E-01	2.70E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7491	644736.2	4168448.9	Worker	Scenario 1	1.32E-01	2.67E-04	--
7492	644836.2	4168448.9	Worker	Scenario 1	1.31E-01	2.64E-04	--
7493	644936.2	4168448.9	Worker	Scenario 1	1.29E-01	2.60E-04	--
7494	645036.2	4168448.9	Worker	Scenario 1	1.27E-01	2.56E-04	--
7495	645136.2	4168448.9	Worker	Scenario 1	1.25E-01	2.52E-04	--
7496	645236.2	4168448.9	Worker	Scenario 1	1.23E-01	2.48E-04	--
7497	645336.2	4168448.9	Worker	Scenario 1	1.20E-01	2.43E-04	--
7498	645436.2	4168448.9	Worker	Scenario 1	1.18E-01	2.38E-04	--
7499	645536.2	4168448.9	Worker	Scenario 1	1.15E-01	2.32E-04	--
7500	645636.2	4168448.9	Worker	Scenario 1	1.12E-01	2.27E-04	--
7501	645736.2	4168448.9	Worker	Scenario 1	1.10E-01	2.21E-04	--
7502	645836.2	4168448.9	Worker	Scenario 1	1.07E-01	2.15E-04	--
7503	645936.2	4168448.9	Worker	Scenario 1	1.04E-01	2.10E-04	--
7504	646036.2	4168448.9	Worker	Scenario 1	1.01E-01	2.04E-04	--
7505	646236.2	4168448.9	Worker	Scenario 1	9.58E-02	1.93E-04	--
7506	646336.2	4168448.9	Worker	Scenario 1	9.33E-02	1.89E-04	--
7507	646436.2	4168448.9	Worker	Scenario 1	9.10E-02	1.84E-04	--
7508	646536.2	4168448.9	Worker	Scenario 1	8.86E-02	1.79E-04	--
7509	646636.2	4168448.9	Worker	Scenario 1	8.64E-02	1.75E-04	--
7510	646736.2	4168448.9	Worker	Scenario 1	8.42E-02	1.70E-04	--
7511	635836.2	4168548.9	Worker	Scenario 1	3.83E-03	7.73E-06	--
7512	635936.2	4168548.9	Worker	Scenario 1	4.04E-03	8.15E-06	--
7513	636036.2	4168548.9	Worker	Scenario 1	4.28E-03	8.64E-06	--
7514	636136.2	4168548.9	Worker	Scenario 1	4.31E-03	8.71E-06	--
7515	636236.2	4168548.9	Worker	Scenario 1	4.51E-03	9.10E-06	--
7516	636336.2	4168548.9	Worker	Scenario 1	4.97E-03	1.00E-05	--
7517	636436.2	4168548.9	Worker	Scenario 1	5.27E-03	1.07E-05	--
7518	636536.2	4168548.9	Worker	Scenario 1	5.34E-03	1.08E-05	--
7519	636636.2	4168548.9	Worker	Scenario 1	5.68E-03	1.15E-05	--
7520	636736.2	4168548.9	Worker	Scenario 1	5.93E-03	1.20E-05	--
7521	636836.2	4168548.9	Worker	Scenario 1	6.33E-03	1.28E-05	--
7522	636936.2	4168548.9	Worker	Scenario 1	6.60E-03	1.33E-05	--
7523	637036.2	4168548.9	Worker	Scenario 1	6.94E-03	1.40E-05	--
7524	637136.2	4168548.9	Worker	Scenario 1	7.56E-03	1.53E-05	--
7525	637236.2	4168548.9	Worker	Scenario 1	7.86E-03	1.59E-05	--
7526	637336.2	4168548.9	Worker	Scenario 1	8.56E-03	1.73E-05	--
7527	637436.2	4168548.9	Worker	Scenario 1	9.15E-03	1.85E-05	--
7528	637536.2	4168548.9	Worker	Scenario 1	9.21E-03	1.86E-05	--
7529	637636.2	4168548.9	Worker	Scenario 1	9.22E-03	1.86E-05	--
7530	637736.2	4168548.9	Worker	Scenario 1	9.90E-03	2.00E-05	--
7531	637836.2	4168548.9	Worker	Scenario 1	1.03E-02	2.08E-05	--
7532	637936.2	4168548.9	Worker	Scenario 1	1.07E-02	2.16E-05	--
7533	638036.2	4168548.9	Worker	Scenario 1	1.11E-02	2.25E-05	--
7534	638136.2	4168548.9	Worker	Scenario 1	1.15E-02	2.33E-05	--
7535	638236.2	4168548.9	Worker	Scenario 1	1.25E-02	2.53E-05	--
7536	638336.2	4168548.9	Worker	Scenario 1	1.28E-02	2.58E-05	--
7537	638436.2	4168548.9	Worker	Scenario 1	1.32E-02	2.68E-05	--
7538	638536.2	4168548.9	Worker	Scenario 1	1.38E-02	2.79E-05	--
7539	638636.2	4168548.9	Worker	Scenario 1	1.45E-02	2.94E-05	--
7540	638736.2	4168548.9	Worker	Scenario 1	1.51E-02	3.05E-05	--
7541	642336.2	4168548.9	Worker	Scenario 1	2.16E-01	4.37E-04	--
7542	642436.2	4168548.9	Worker	Scenario 1	2.21E-01	4.47E-04	--
7543	642536.2	4168548.9	Worker	Scenario 1	2.22E-01	4.48E-04	--
7544	642636.2	4168548.9	Worker	Scenario 1	2.23E-01	4.49E-04	--
7545	642736.2	4168548.9	Worker	Scenario 1	2.21E-01	4.47E-04	--
7546	642836.2	4168548.9	Worker	Scenario 1	2.18E-01	4.40E-04	--
7547	642936.2	4168548.9	Worker	Scenario 1	2.11E-01	4.26E-04	--
7548	643036.2	4168548.9	Worker	Scenario 1	2.02E-01	4.08E-04	--
7549	643136.2	4168548.9	Worker	Scenario 1	1.93E-01	3.91E-04	--
7550	643236.2	4168548.9	Worker	Scenario 1	1.84E-01	3.71E-04	--
7551	643336.2	4168548.9	Worker	Scenario 1	1.73E-01	3.50E-04	--
7552	643436.2	4168548.9	Worker	Scenario 1	1.63E-01	3.29E-04	--
7553	643536.2	4168548.9	Worker	Scenario 1	1.55E-01	3.13E-04	--
7554	643636.2	4168548.9	Worker	Scenario 1	1.51E-01	3.04E-04	--
7555	643736.2	4168548.9	Worker	Scenario 1	1.48E-01	2.98E-04	--
7556	643836.2	4168548.9	Worker	Scenario 1	1.44E-01	2.90E-04	--
7557	643936.2	4168548.9	Worker	Scenario 1	1.39E-01	2.82E-04	--
7558	644036.2	4168548.9	Worker	Scenario 1	1.36E-01	2.74E-04	--
7559	644136.2	4168548.9	Worker	Scenario 1	1.32E-01	2.67E-04	--
7560	644236.2	4168548.9	Worker	Scenario 1	1.29E-01	2.61E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7561	644336.2	4168548.9	Worker	Scenario 1	1.26E-01	2.55E-04	--
7562	644436.2	4168548.9	Worker	Scenario 1	1.23E-01	2.49E-04	--
7563	644536.2	4168548.9	Worker	Scenario 1	1.21E-01	2.45E-04	--
7564	644636.2	4168548.9	Worker	Scenario 1	1.19E-01	2.41E-04	--
7565	644736.2	4168548.9	Worker	Scenario 1	1.18E-01	2.38E-04	--
7566	645436.2	4168548.9	Worker	Scenario 1	1.07E-01	2.17E-04	--
7567	645536.2	4168548.9	Worker	Scenario 1	1.05E-01	2.12E-04	--
7568	645636.2	4168548.9	Worker	Scenario 1	1.03E-01	2.08E-04	--
7569	645736.2	4168548.9	Worker	Scenario 1	1.01E-01	2.03E-04	--
7570	645836.2	4168548.9	Worker	Scenario 1	9.84E-02	1.99E-04	--
7571	645936.2	4168548.9	Worker	Scenario 1	9.60E-02	1.94E-04	--
7572	646036.2	4168548.9	Worker	Scenario 1	9.37E-02	1.89E-04	--
7573	646236.2	4168548.9	Worker	Scenario 1	8.92E-02	1.80E-04	--
7574	646336.2	4168548.9	Worker	Scenario 1	8.71E-02	1.76E-04	--
7575	646436.2	4168548.9	Worker	Scenario 1	8.50E-02	1.72E-04	--
7576	646536.2	4168548.9	Worker	Scenario 1	8.30E-02	1.68E-04	--
7577	646636.2	4168548.9	Worker	Scenario 1	8.10E-02	1.64E-04	--
7578	635736.2	4168648.9	Worker	Scenario 1	3.69E-03	7.44E-06	--
7579	635836.2	4168648.9	Worker	Scenario 1	3.85E-03	7.78E-06	--
7580	635936.2	4168648.9	Worker	Scenario 1	4.00E-03	8.07E-06	--
7581	636036.2	4168648.9	Worker	Scenario 1	4.20E-03	8.49E-06	--
7582	636136.2	4168648.9	Worker	Scenario 1	4.84E-03	9.78E-06	--
7583	636236.2	4168648.9	Worker	Scenario 1	4.71E-03	9.51E-06	--
7584	636336.2	4168648.9	Worker	Scenario 1	5.04E-03	1.02E-05	--
7585	636436.2	4168648.9	Worker	Scenario 1	5.38E-03	1.09E-05	--
7586	636536.2	4168648.9	Worker	Scenario 1	5.56E-03	1.12E-05	--
7587	636636.2	4168648.9	Worker	Scenario 1	5.71E-03	1.15E-05	--
7588	636736.2	4168648.9	Worker	Scenario 1	6.00E-03	1.21E-05	--
7589	636836.2	4168648.9	Worker	Scenario 1	6.47E-03	1.31E-05	--
7590	636936.2	4168648.9	Worker	Scenario 1	6.96E-03	1.41E-05	--
7591	637036.2	4168648.9	Worker	Scenario 1	7.51E-03	1.52E-05	--
7592	637136.2	4168648.9	Worker	Scenario 1	7.53E-03	1.52E-05	--
7593	637236.2	4168648.9	Worker	Scenario 1	7.96E-03	1.61E-05	--
7594	637336.2	4168648.9	Worker	Scenario 1	8.78E-03	1.77E-05	--
7595	637436.2	4168648.9	Worker	Scenario 1	9.30E-03	1.88E-05	--
7596	637536.2	4168648.9	Worker	Scenario 1	9.59E-03	1.94E-05	--
7597	637636.2	4168648.9	Worker	Scenario 1	9.41E-03	1.90E-05	--
7598	637736.2	4168648.9	Worker	Scenario 1	9.81E-03	1.98E-05	--
7599	637836.2	4168648.9	Worker	Scenario 1	1.04E-02	2.10E-05	--
7600	637936.2	4168648.9	Worker	Scenario 1	1.08E-02	2.18E-05	--
7601	638036.2	4168648.9	Worker	Scenario 1	1.13E-02	2.28E-05	--
7602	638136.2	4168648.9	Worker	Scenario 1	1.17E-02	2.36E-05	--
7603	638236.2	4168648.9	Worker	Scenario 1	1.24E-02	2.50E-05	--
7604	638336.2	4168648.9	Worker	Scenario 1	1.30E-02	2.63E-05	--
7605	638436.2	4168648.9	Worker	Scenario 1	1.39E-02	2.81E-05	--
7606	638536.2	4168648.9	Worker	Scenario 1	1.41E-02	2.85E-05	--
7607	642136.2	4168648.9	Worker	Scenario 1	1.88E-01	3.80E-04	--
7608	642236.2	4168648.9	Worker	Scenario 1	1.93E-01	3.89E-04	--
7609	642336.2	4168648.9	Worker	Scenario 1	1.95E-01	3.95E-04	--
7610	642436.2	4168648.9	Worker	Scenario 1	1.98E-01	4.01E-04	--
7611	642536.2	4168648.9	Worker	Scenario 1	1.99E-01	4.03E-04	--
7612	642636.2	4168648.9	Worker	Scenario 1	1.99E-01	4.02E-04	--
7613	642736.2	4168648.9	Worker	Scenario 1	1.98E-01	3.99E-04	--
7614	642836.2	4168648.9	Worker	Scenario 1	1.94E-01	3.92E-04	--
7615	642936.2	4168648.9	Worker	Scenario 1	1.88E-01	3.81E-04	--
7616	643036.2	4168648.9	Worker	Scenario 1	1.82E-01	3.67E-04	--
7617	643136.2	4168648.9	Worker	Scenario 1	1.75E-01	3.53E-04	--
7618	643236.2	4168648.9	Worker	Scenario 1	1.67E-01	3.38E-04	--
7619	643336.2	4168648.9	Worker	Scenario 1	1.59E-01	3.21E-04	--
7620	643436.2	4168648.9	Worker	Scenario 1	1.50E-01	3.03E-04	--
7621	643536.2	4168648.9	Worker	Scenario 1	1.43E-01	2.88E-04	--
7622	643636.2	4168648.9	Worker	Scenario 1	1.38E-01	2.79E-04	--
7623	643736.2	4168648.9	Worker	Scenario 1	1.36E-01	2.74E-04	--
7624	643836.2	4168648.9	Worker	Scenario 1	1.33E-01	2.69E-04	--
7625	643936.2	4168648.9	Worker	Scenario 1	1.29E-01	2.62E-04	--
7626	644036.2	4168648.9	Worker	Scenario 1	1.26E-01	2.54E-04	--
7627	644136.2	4168648.9	Worker	Scenario 1	1.22E-01	2.47E-04	--
7628	644236.2	4168648.9	Worker	Scenario 1	1.19E-01	2.41E-04	--
7629	644336.2	4168648.9	Worker	Scenario 1	1.17E-01	2.35E-04	--
7630	644436.2	4168648.9	Worker	Scenario 1	1.14E-01	2.30E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
7631	644536.2	4168648.9	Worker	Scenario 1	1.11E-01	2.24E-04	--
7632	644636.2	4168648.9	Worker	Scenario 1	1.09E-01	2.20E-04	--
7633	644736.2	4168648.9	Worker	Scenario 1	1.07E-01	2.16E-04	--
7634	644836.2	4168648.9	Worker	Scenario 1	1.05E-01	2.12E-04	--
7635	644936.2	4168648.9	Worker	Scenario 1	1.04E-01	2.09E-04	--
7636	645036.2	4168648.9	Worker	Scenario 1	1.03E-01	2.07E-04	--
7637	645136.2	4168648.9	Worker	Scenario 1	1.02E-01	2.05E-04	--
7638	645236.2	4168648.9	Worker	Scenario 1	1.00E-01	2.03E-04	--
7639	645336.2	4168648.9	Worker	Scenario 1	9.91E-02	2.00E-04	--
7640	645436.2	4168648.9	Worker	Scenario 1	9.77E-02	1.97E-04	--
7641	645536.2	4168648.9	Worker	Scenario 1	9.62E-02	1.94E-04	--
7642	645636.2	4168648.9	Worker	Scenario 1	9.45E-02	1.91E-04	--
7643	645736.2	4168648.9	Worker	Scenario 1	9.28E-02	1.87E-04	--
7644	645836.2	4168648.9	Worker	Scenario 1	9.10E-02	1.84E-04	--
7645	645936.2	4168648.9	Worker	Scenario 1	8.90E-02	1.80E-04	--
7646	646036.2	4168648.9	Worker	Scenario 1	8.70E-02	1.76E-04	--
7647	646236.2	4168648.9	Worker	Scenario 1	8.31E-02	1.68E-04	--
7648	646336.2	4168648.9	Worker	Scenario 1	8.13E-02	1.64E-04	--
7649	646436.2	4168648.9	Worker	Scenario 1	7.95E-02	1.61E-04	--
7650	646536.2	4168648.9	Worker	Scenario 1	7.77E-02	1.57E-04	--
7651	635736.2	4168748.9	Worker	Scenario 1	3.72E-03	7.51E-06	--
7652	635836.2	4168748.9	Worker	Scenario 1	3.86E-03	7.81E-06	--
7653	635936.2	4168748.9	Worker	Scenario 1	4.07E-03	8.22E-06	--
7654	636036.2	4168748.9	Worker	Scenario 1	4.36E-03	8.81E-06	--
7655	636136.2	4168748.9	Worker	Scenario 1	4.58E-03	9.25E-06	--
7656	636236.2	4168748.9	Worker	Scenario 1	4.84E-03	9.78E-06	--
7657	636336.2	4168748.9	Worker	Scenario 1	5.16E-03	1.04E-05	--
7658	636436.2	4168748.9	Worker	Scenario 1	5.65E-03	1.14E-05	--
7659	636536.2	4168748.9	Worker	Scenario 1	6.44E-03	1.30E-05	--
7660	636636.2	4168748.9	Worker	Scenario 1	6.10E-03	1.23E-05	--
7661	636736.2	4168748.9	Worker	Scenario 1	6.17E-03	1.25E-05	--
7662	636836.2	4168748.9	Worker	Scenario 1	6.37E-03	1.29E-05	--
7663	636936.2	4168748.9	Worker	Scenario 1	6.76E-03	1.37E-05	--
7664	637036.2	4168748.9	Worker	Scenario 1	7.13E-03	1.44E-05	--
7665	637136.2	4168748.9	Worker	Scenario 1	7.93E-03	1.60E-05	--
7666	637236.2	4168748.9	Worker	Scenario 1	8.33E-03	1.68E-05	--
7667	637336.2	4168748.9	Worker	Scenario 1	8.87E-03	1.79E-05	--
7668	637436.2	4168748.9	Worker	Scenario 1	9.19E-03	1.86E-05	--
7669	637536.2	4168748.9	Worker	Scenario 1	9.64E-03	1.95E-05	--
7670	637636.2	4168748.9	Worker	Scenario 1	9.70E-03	1.96E-05	--
7671	637736.2	4168748.9	Worker	Scenario 1	1.01E-02	2.04E-05	--
7672	637836.2	4168748.9	Worker	Scenario 1	1.06E-02	2.13E-05	--
7673	637936.2	4168748.9	Worker	Scenario 1	1.10E-02	2.22E-05	--
7674	638036.2	4168748.9	Worker	Scenario 1	1.14E-02	2.31E-05	--
7675	638136.2	4168748.9	Worker	Scenario 1	1.19E-02	2.41E-05	--
7676	638236.2	4168748.9	Worker	Scenario 1	1.25E-02	2.53E-05	--
7677	638336.2	4168748.9	Worker	Scenario 1	1.32E-02	2.67E-05	--
7678	638436.2	4168748.9	Worker	Scenario 1	1.41E-02	2.84E-05	--
7679	641936.2	4168748.9	Worker	Scenario 1	1.71E-01	3.45E-04	--
7680	642036.2	4168748.9	Worker	Scenario 1	1.73E-01	3.49E-04	--
7681	642136.2	4168748.9	Worker	Scenario 1	1.75E-01	3.54E-04	--
7682	642236.2	4168748.9	Worker	Scenario 1	1.77E-01	3.58E-04	--
7683	642336.2	4168748.9	Worker	Scenario 1	1.80E-01	3.63E-04	--
7684	642436.2	4168748.9	Worker	Scenario 1	1.81E-01	3.65E-04	--
7685	642536.2	4168748.9	Worker	Scenario 1	1.80E-01	3.65E-04	--
7686	642636.2	4168748.9	Worker	Scenario 1	1.80E-01	3.63E-04	--
7687	642736.2	4168748.9	Worker	Scenario 1	1.78E-01	3.60E-04	--
7688	642836.2	4168748.9	Worker	Scenario 1	1.75E-01	3.54E-04	--
7689	642936.2	4168748.9	Worker	Scenario 1	1.70E-01	3.44E-04	--
7690	643036.2	4168748.9	Worker	Scenario 1	1.65E-01	3.32E-04	--
7691	643136.2	4168748.9	Worker	Scenario 1	1.59E-01	3.21E-04	--
7692	643236.2	4168748.9	Worker	Scenario 1	1.53E-01	3.09E-04	--
7693	643336.2	4168748.9	Worker	Scenario 1	1.47E-01	2.96E-04	--
7694	643436.2	4168748.9	Worker	Scenario 1	1.39E-01	2.82E-04	--
7695	643536.2	4168748.9	Worker	Scenario 1	1.33E-01	2.68E-04	--
7696	643636.2	4168748.9	Worker	Scenario 1	1.28E-01	2.58E-04	--
7697	643736.2	4168748.9	Worker	Scenario 1	1.25E-01	2.53E-04	--
7698	643836.2	4168748.9	Worker	Scenario 1	1.23E-01	2.49E-04	--
7699	643936.2	4168748.9	Worker	Scenario 1	1.21E-01	2.44E-04	--
7700	644036.2	4168748.9	Worker	Scenario 1	1.17E-01	2.37E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7701	644136.2	4168748.9	Worker	Scenario 1	1.14E-01	2.30E-04	--
7702	644236.2	4168748.9	Worker	Scenario 1	1.11E-01	2.24E-04	--
7703	644336.2	4168748.9	Worker	Scenario 1	1.08E-01	2.19E-04	--
7704	644436.2	4168748.9	Worker	Scenario 1	1.06E-01	2.14E-04	--
7705	644536.2	4168748.9	Worker	Scenario 1	1.03E-01	2.09E-04	--
7706	644636.2	4168748.9	Worker	Scenario 1	1.01E-01	2.04E-04	--
7707	644736.2	4168748.9	Worker	Scenario 1	9.86E-02	1.99E-04	--
7708	644836.2	4168748.9	Worker	Scenario 1	9.66E-02	1.95E-04	--
7709	644936.2	4168748.9	Worker	Scenario 1	9.49E-02	1.92E-04	--
7710	645036.2	4168748.9	Worker	Scenario 1	9.37E-02	1.89E-04	--
7711	645136.2	4168748.9	Worker	Scenario 1	9.26E-02	1.87E-04	--
7712	645236.2	4168748.9	Worker	Scenario 1	9.15E-02	1.85E-04	--
7713	645336.2	4168748.9	Worker	Scenario 1	9.05E-02	1.83E-04	--
7714	645436.2	4168748.9	Worker	Scenario 1	8.94E-02	1.81E-04	--
7715	645536.2	4168748.9	Worker	Scenario 1	8.82E-02	1.78E-04	--
7716	645636.2	4168748.9	Worker	Scenario 1	8.69E-02	1.76E-04	--
7717	645736.2	4168748.9	Worker	Scenario 1	8.56E-02	1.73E-04	--
7718	645836.2	4168748.9	Worker	Scenario 1	8.42E-02	1.70E-04	--
7719	645936.2	4168748.9	Worker	Scenario 1	8.27E-02	1.67E-04	--
7720	646036.2	4168748.9	Worker	Scenario 1	8.10E-02	1.64E-04	--
7721	646236.2	4168748.9	Worker	Scenario 1	7.77E-02	1.57E-04	--
7722	646336.2	4168748.9	Worker	Scenario 1	7.60E-02	1.54E-04	--
7723	646436.2	4168748.9	Worker	Scenario 1	7.44E-02	1.50E-04	--
7724	646536.2	4168748.9	Worker	Scenario 1	7.29E-02	1.47E-04	--
7725	635736.2	4168848.9	Worker	Scenario 1	3.78E-03	7.64E-06	--
7726	635836.2	4168848.9	Worker	Scenario 1	3.93E-03	7.93E-06	--
7727	635936.2	4168848.9	Worker	Scenario 1	4.11E-03	8.29E-06	--
7728	636036.2	4168848.9	Worker	Scenario 1	4.59E-03	9.27E-06	--
7729	636136.2	4168848.9	Worker	Scenario 1	4.68E-03	9.46E-06	--
7730	636236.2	4168848.9	Worker	Scenario 1	4.87E-03	9.83E-06	--
7731	636336.2	4168848.9	Worker	Scenario 1	5.09E-03	1.03E-05	--
7732	636436.2	4168848.9	Worker	Scenario 1	5.35E-03	1.08E-05	--
7733	636536.2	4168848.9	Worker	Scenario 1	5.64E-03	1.14E-05	--
7734	636636.2	4168848.9	Worker	Scenario 1	6.24E-03	1.26E-05	--
7735	636736.2	4168848.9	Worker	Scenario 1	7.20E-03	1.45E-05	--
7736	636836.2	4168848.9	Worker	Scenario 1	6.83E-03	1.38E-05	--
7737	636936.2	4168848.9	Worker	Scenario 1	6.93E-03	1.40E-05	--
7738	637036.2	4168848.9	Worker	Scenario 1	7.30E-03	1.47E-05	--
7739	637136.2	4168848.9	Worker	Scenario 1	7.65E-03	1.54E-05	--
7740	637236.2	4168848.9	Worker	Scenario 1	8.10E-03	1.64E-05	--
7741	637336.2	4168848.9	Worker	Scenario 1	8.54E-03	1.72E-05	--
7742	637436.2	4168848.9	Worker	Scenario 1	9.12E-03	1.84E-05	--
7743	637536.2	4168848.9	Worker	Scenario 1	9.76E-03	1.97E-05	--
7744	637636.2	4168848.9	Worker	Scenario 1	9.98E-03	2.02E-05	--
7745	637736.2	4168848.9	Worker	Scenario 1	1.03E-02	2.09E-05	--
7746	637836.2	4168848.9	Worker	Scenario 1	1.09E-02	2.20E-05	--
7747	637936.2	4168848.9	Worker	Scenario 1	1.14E-02	2.30E-05	--
7748	638036.2	4168848.9	Worker	Scenario 1	1.17E-02	2.37E-05	--
7749	638136.2	4168848.9	Worker	Scenario 1	1.22E-02	2.47E-05	--
7750	638236.2	4168848.9	Worker	Scenario 1	1.28E-02	2.58E-05	--
7751	641636.2	4168848.9	Worker	Scenario 1	1.83E-01	3.69E-04	--
7752	641736.2	4168848.9	Worker	Scenario 1	1.70E-01	3.44E-04	--
7753	641836.2	4168848.9	Worker	Scenario 1	1.65E-01	3.33E-04	--
7754	641936.2	4168848.9	Worker	Scenario 1	1.63E-01	3.29E-04	--
7755	642036.2	4168848.9	Worker	Scenario 1	1.63E-01	3.28E-04	--
7756	642136.2	4168848.9	Worker	Scenario 1	1.63E-01	3.30E-04	--
7757	642236.2	4168848.9	Worker	Scenario 1	1.65E-01	3.32E-04	--
7758	642336.2	4168848.9	Worker	Scenario 1	1.65E-01	3.34E-04	--
7759	642436.2	4168848.9	Worker	Scenario 1	1.65E-01	3.34E-04	--
7760	642536.2	4168848.9	Worker	Scenario 1	1.64E-01	3.32E-04	--
7761	642636.2	4168848.9	Worker	Scenario 1	1.64E-01	3.31E-04	--
7762	642736.2	4168848.9	Worker	Scenario 1	1.62E-01	3.28E-04	--
7763	642836.2	4168848.9	Worker	Scenario 1	1.59E-01	3.22E-04	--
7764	642936.2	4168848.9	Worker	Scenario 1	1.55E-01	3.13E-04	--
7765	643036.2	4168848.9	Worker	Scenario 1	1.50E-01	3.03E-04	--
7766	643136.2	4168848.9	Worker	Scenario 1	1.46E-01	2.95E-04	--
7767	643236.2	4168848.9	Worker	Scenario 1	1.41E-01	2.85E-04	--
7768	643336.2	4168848.9	Worker	Scenario 1	1.36E-01	2.74E-04	--
7769	643436.2	4168848.9	Worker	Scenario 1	1.30E-01	2.62E-04	--
7770	643536.2	4168848.9	Worker	Scenario 1	1.24E-01	2.51E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7771	643636.2	4168848.9	Worker	Scenario 1	1.19E-01	2.41E-04	--
7772	643736.2	4168848.9	Worker	Scenario 1	1.16E-01	2.35E-04	--
7773	643836.2	4168848.9	Worker	Scenario 1	1.14E-01	2.31E-04	--
7774	643936.2	4168848.9	Worker	Scenario 1	1.13E-01	2.27E-04	--
7775	644036.2	4168848.9	Worker	Scenario 1	1.10E-01	2.22E-04	--
7776	644136.2	4168848.9	Worker	Scenario 1	1.07E-01	2.16E-04	--
7777	644236.2	4168848.9	Worker	Scenario 1	1.04E-01	2.10E-04	--
7778	644336.2	4168848.9	Worker	Scenario 1	1.01E-01	2.05E-04	--
7779	644436.2	4168848.9	Worker	Scenario 1	9.90E-02	2.00E-04	--
7780	644536.2	4168848.9	Worker	Scenario 1	9.67E-02	1.95E-04	--
7781	644836.2	4168848.9	Worker	Scenario 1	9.00E-02	1.82E-04	--
7782	644936.2	4168848.9	Worker	Scenario 1	8.81E-02	1.78E-04	--
7783	645036.2	4168848.9	Worker	Scenario 1	8.66E-02	1.75E-04	--
7784	645136.2	4168848.9	Worker	Scenario 1	8.53E-02	1.72E-04	--
7785	645236.2	4168848.9	Worker	Scenario 1	8.42E-02	1.70E-04	--
7786	645336.2	4168848.9	Worker	Scenario 1	8.32E-02	1.68E-04	--
7787	645436.2	4168848.9	Worker	Scenario 1	8.21E-02	1.66E-04	--
7788	645536.2	4168848.9	Worker	Scenario 1	8.12E-02	1.64E-04	--
7789	645636.2	4168848.9	Worker	Scenario 1	8.02E-02	1.62E-04	--
7790	645736.2	4168848.9	Worker	Scenario 1	7.92E-02	1.60E-04	--
7791	645836.2	4168848.9	Worker	Scenario 1	7.80E-02	1.58E-04	--
7792	645936.2	4168848.9	Worker	Scenario 1	7.69E-02	1.55E-04	--
7793	646036.2	4168848.9	Worker	Scenario 1	7.56E-02	1.53E-04	--
7794	646236.2	4168848.9	Worker	Scenario 1	7.27E-02	1.47E-04	--
7795	646336.2	4168848.9	Worker	Scenario 1	7.13E-02	1.44E-04	--
7796	646436.2	4168848.9	Worker	Scenario 1	6.99E-02	1.41E-04	--
7797	635736.2	4168948.9	Worker	Scenario 1	3.84E-03	7.76E-06	--
7798	635836.2	4168948.9	Worker	Scenario 1	4.01E-03	8.10E-06	--
7799	635936.2	4168948.9	Worker	Scenario 1	4.25E-03	8.59E-06	--
7800	636036.2	4168948.9	Worker	Scenario 1	4.65E-03	9.38E-06	--
7801	636136.2	4168948.9	Worker	Scenario 1	4.78E-03	9.65E-06	--
7802	636236.2	4168948.9	Worker	Scenario 1	5.21E-03	1.05E-05	--
7803	636336.2	4168948.9	Worker	Scenario 1	5.63E-03	1.14E-05	--
7804	636436.2	4168948.9	Worker	Scenario 1	5.80E-03	1.17E-05	--
7805	636536.2	4168948.9	Worker	Scenario 1	6.07E-03	1.23E-05	--
7806	636636.2	4168948.9	Worker	Scenario 1	6.37E-03	1.29E-05	--
7807	636736.2	4168948.9	Worker	Scenario 1	6.54E-03	1.32E-05	--
7808	636836.2	4168948.9	Worker	Scenario 1	7.24E-03	1.46E-05	--
7809	636936.2	4168948.9	Worker	Scenario 1	7.81E-03	1.58E-05	--
7810	637036.2	4168948.9	Worker	Scenario 1	7.76E-03	1.57E-05	--
7811	637136.2	4168948.9	Worker	Scenario 1	7.93E-03	1.60E-05	--
7812	637236.2	4168948.9	Worker	Scenario 1	8.32E-03	1.68E-05	--
7813	637336.2	4168948.9	Worker	Scenario 1	8.77E-03	1.77E-05	--
7814	637436.2	4168948.9	Worker	Scenario 1	9.19E-03	1.86E-05	--
7815	637536.2	4168948.9	Worker	Scenario 1	9.72E-03	1.96E-05	--
7816	637636.2	4168948.9	Worker	Scenario 1	1.02E-02	2.07E-05	--
7817	637736.2	4168948.9	Worker	Scenario 1	1.06E-02	2.14E-05	--
7818	637836.2	4168948.9	Worker	Scenario 1	1.09E-02	2.21E-05	--
7819	637936.2	4168948.9	Worker	Scenario 1	1.16E-02	2.35E-05	--
7820	638036.2	4168948.9	Worker	Scenario 1	1.21E-02	2.44E-05	--
7821	638136.2	4168948.9	Worker	Scenario 1	1.26E-02	2.54E-05	--
7822	641636.2	4168948.9	Worker	Scenario 1	1.78E-01	3.60E-04	--
7823	641736.2	4168948.9	Worker	Scenario 1	1.65E-01	3.33E-04	--
7824	641836.2	4168948.9	Worker	Scenario 1	1.58E-01	3.19E-04	--
7825	641936.2	4168948.9	Worker	Scenario 1	1.55E-01	3.13E-04	--
7826	642036.2	4168948.9	Worker	Scenario 1	1.54E-01	3.10E-04	--
7827	642136.2	4168948.9	Worker	Scenario 1	1.53E-01	3.10E-04	--
7828	642236.2	4168948.9	Worker	Scenario 1	1.53E-01	3.09E-04	--
7829	642336.2	4168948.9	Worker	Scenario 1	1.53E-01	3.08E-04	--
7830	642436.2	4168948.9	Worker	Scenario 1	1.52E-01	3.07E-04	--
7831	642536.2	4168948.9	Worker	Scenario 1	1.51E-01	3.05E-04	--
7832	642636.2	4168948.9	Worker	Scenario 1	1.50E-01	3.03E-04	--
7833	642736.2	4168948.9	Worker	Scenario 1	1.49E-01	3.01E-04	--
7834	642836.2	4168948.9	Worker	Scenario 1	1.46E-01	2.95E-04	--
7835	642936.2	4168948.9	Worker	Scenario 1	1.42E-01	2.87E-04	--
7836	643036.2	4168948.9	Worker	Scenario 1	1.38E-01	2.79E-04	--
7837	643136.2	4168948.9	Worker	Scenario 1	1.35E-01	2.72E-04	--
7838	643236.2	4168948.9	Worker	Scenario 1	1.31E-01	2.64E-04	--
7839	643336.2	4168948.9	Worker	Scenario 1	1.26E-01	2.55E-04	--
7840	643436.2	4168948.9	Worker	Scenario 1	1.21E-01	2.45E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7841	643536.2	4168948.9	Worker	Scenario 1	1.16E-01	2.35E-04	--
7842	643636.2	4168948.9	Worker	Scenario 1	1.11E-01	2.25E-04	--
7843	643736.2	4168948.9	Worker	Scenario 1	1.08E-01	2.19E-04	--
7844	643836.2	4168948.9	Worker	Scenario 1	1.06E-01	2.15E-04	--
7845	643936.2	4168948.9	Worker	Scenario 1	1.05E-01	2.12E-04	--
7846	644036.2	4168948.9	Worker	Scenario 1	1.03E-01	2.08E-04	--
7847	644136.2	4168948.9	Worker	Scenario 1	1.01E-01	2.03E-04	--
7848	644236.2	4168948.9	Worker	Scenario 1	9.79E-02	1.98E-04	--
7849	644336.2	4168948.9	Worker	Scenario 1	9.53E-02	1.93E-04	--
7850	644436.2	4168948.9	Worker	Scenario 1	9.30E-02	1.88E-04	--
7851	644536.2	4168948.9	Worker	Scenario 1	9.10E-02	1.84E-04	--
7852	644836.2	4168948.9	Worker	Scenario 1	8.45E-02	1.71E-04	--
7853	644936.2	4168948.9	Worker	Scenario 1	8.25E-02	1.67E-04	--
7854	645036.2	4168948.9	Worker	Scenario 1	8.10E-02	1.64E-04	--
7855	645136.2	4168948.9	Worker	Scenario 1	7.93E-02	1.60E-04	--
7856	645236.2	4168948.9	Worker	Scenario 1	7.80E-02	1.58E-04	--
7857	645336.2	4168948.9	Worker	Scenario 1	7.68E-02	1.55E-04	--
7858	645436.2	4168948.9	Worker	Scenario 1	7.57E-02	1.53E-04	--
7859	645536.2	4168948.9	Worker	Scenario 1	7.48E-02	1.51E-04	--
7860	645636.2	4168948.9	Worker	Scenario 1	7.40E-02	1.49E-04	--
7861	645736.2	4168948.9	Worker	Scenario 1	7.31E-02	1.48E-04	--
7862	645836.2	4168948.9	Worker	Scenario 1	7.22E-02	1.46E-04	--
7863	646036.2	4168948.9	Worker	Scenario 1	7.03E-02	1.42E-04	--
7864	646236.2	4168948.9	Worker	Scenario 1	6.81E-02	1.38E-04	--
7865	646336.2	4168948.9	Worker	Scenario 1	6.70E-02	1.35E-04	--
7866	635636.2	4169048.9	Worker	Scenario 1	3.72E-03	7.51E-06	--
7867	635736.2	4169048.9	Worker	Scenario 1	3.85E-03	7.78E-06	--
7868	635836.2	4169048.9	Worker	Scenario 1	4.05E-03	8.18E-06	--
7869	635936.2	4169048.9	Worker	Scenario 1	4.39E-03	8.86E-06	--
7870	636036.2	4169048.9	Worker	Scenario 1	4.68E-03	9.46E-06	--
7871	636136.2	4169048.9	Worker	Scenario 1	4.84E-03	9.77E-06	--
7872	636236.2	4169048.9	Worker	Scenario 1	5.04E-03	1.02E-05	--
7873	636336.2	4169048.9	Worker	Scenario 1	5.32E-03	1.07E-05	--
7874	636436.2	4169048.9	Worker	Scenario 1	5.64E-03	1.14E-05	--
7875	636536.2	4169048.9	Worker	Scenario 1	5.98E-03	1.21E-05	--
7876	636636.2	4169048.9	Worker	Scenario 1	6.34E-03	1.28E-05	--
7877	636736.2	4169048.9	Worker	Scenario 1	6.90E-03	1.39E-05	--
7878	636836.2	4169048.9	Worker	Scenario 1	7.32E-03	1.48E-05	--
7879	636936.2	4169048.9	Worker	Scenario 1	7.53E-03	1.52E-05	--
7880	637036.2	4169048.9	Worker	Scenario 1	8.19E-03	1.65E-05	--
7881	637136.2	4169048.9	Worker	Scenario 1	8.80E-03	1.78E-05	--
7882	637236.2	4169048.9	Worker	Scenario 1	8.78E-03	1.77E-05	--
7883	637336.2	4169048.9	Worker	Scenario 1	9.05E-03	1.83E-05	--
7884	637436.2	4169048.9	Worker	Scenario 1	9.47E-03	1.91E-05	--
7885	637536.2	4169048.9	Worker	Scenario 1	9.88E-03	2.00E-05	--
7886	637636.2	4169048.9	Worker	Scenario 1	1.05E-02	2.11E-05	--
7887	637736.2	4169048.9	Worker	Scenario 1	1.09E-02	2.20E-05	--
7888	637836.2	4169048.9	Worker	Scenario 1	1.13E-02	2.28E-05	--
7889	637936.2	4169048.9	Worker	Scenario 1	1.19E-02	2.39E-05	--
7890	638036.2	4169048.9	Worker	Scenario 1	1.25E-02	2.52E-05	--
7891	640236.2	4169048.9	Worker	Scenario 1	4.41E-02	8.91E-05	--
7892	641636.2	4169048.9	Worker	Scenario 1	1.73E-01	3.50E-04	--
7893	641736.2	4169048.9	Worker	Scenario 1	1.59E-01	3.21E-04	--
7894	641836.2	4169048.9	Worker	Scenario 1	1.52E-01	3.06E-04	--
7895	641936.2	4169048.9	Worker	Scenario 1	1.48E-01	2.98E-04	--
7896	642036.2	4169048.9	Worker	Scenario 1	1.45E-01	2.94E-04	--
7897	642136.2	4169048.9	Worker	Scenario 1	1.44E-01	2.91E-04	--
7898	642236.2	4169048.9	Worker	Scenario 1	1.43E-01	2.88E-04	--
7899	642336.2	4169048.9	Worker	Scenario 1	1.42E-01	2.86E-04	--
7900	642436.2	4169048.9	Worker	Scenario 1	1.40E-01	2.84E-04	--
7901	642536.2	4169048.9	Worker	Scenario 1	1.40E-01	2.82E-04	--
7902	642636.2	4169048.9	Worker	Scenario 1	1.39E-01	2.80E-04	--
7903	642736.2	4169048.9	Worker	Scenario 1	1.37E-01	2.77E-04	--
7904	642836.2	4169048.9	Worker	Scenario 1	1.34E-01	2.72E-04	--
7905	642936.2	4169048.9	Worker	Scenario 1	1.31E-01	2.64E-04	--
7906	643036.2	4169048.9	Worker	Scenario 1	1.27E-01	2.57E-04	--
7907	643136.2	4169048.9	Worker	Scenario 1	1.25E-01	2.51E-04	--
7908	643236.2	4169048.9	Worker	Scenario 1	1.21E-01	2.45E-04	--
7909	643336.2	4169048.9	Worker	Scenario 1	1.18E-01	2.38E-04	--
7910	643436.2	4169048.9	Worker	Scenario 1	1.14E-01	2.30E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7911	643536.2	4169048.9	Worker	Scenario 1	1.09E-01	2.21E-04	--
7912	643636.2	4169048.9	Worker	Scenario 1	1.05E-01	2.12E-04	--
7913	643736.2	4169048.9	Worker	Scenario 1	1.01E-01	2.05E-04	--
7914	643836.2	4169048.9	Worker	Scenario 1	9.93E-02	2.01E-04	--
7915	643936.2	4169048.9	Worker	Scenario 1	9.80E-02	1.98E-04	--
7916	644036.2	4169048.9	Worker	Scenario 1	9.68E-02	1.96E-04	--
7917	644236.2	4169048.9	Worker	Scenario 1	9.26E-02	1.87E-04	--
7918	644336.2	4169048.9	Worker	Scenario 1	9.01E-02	1.82E-04	--
7919	644436.2	4169048.9	Worker	Scenario 1	8.80E-02	1.78E-04	--
7920	644836.2	4169048.9	Worker	Scenario 1	8.00E-02	1.62E-04	--
7921	644936.2	4169048.9	Worker	Scenario 1	7.81E-02	1.58E-04	--
7922	645036.2	4169048.9	Worker	Scenario 1	7.64E-02	1.54E-04	--
7923	645136.2	4169048.9	Worker	Scenario 1	7.47E-02	1.51E-04	--
7924	645236.2	4169048.9	Worker	Scenario 1	7.32E-02	1.48E-04	--
7925	645336.2	4169048.9	Worker	Scenario 1	7.18E-02	1.45E-04	--
7926	645436.2	4169048.9	Worker	Scenario 1	7.07E-02	1.43E-04	--
7927	645536.2	4169048.9	Worker	Scenario 1	6.97E-02	1.41E-04	--
7928	645636.2	4169048.9	Worker	Scenario 1	6.88E-02	1.39E-04	--
7929	645736.2	4169048.9	Worker	Scenario 1	6.80E-02	1.37E-04	--
7930	645836.2	4169048.9	Worker	Scenario 1	6.72E-02	1.36E-04	--
7931	645936.2	4169048.9	Worker	Scenario 1	6.65E-02	1.34E-04	--
7932	646036.2	4169048.9	Worker	Scenario 1	6.57E-02	1.33E-04	--
7933	646236.2	4169048.9	Worker	Scenario 1	6.39E-02	1.29E-04	--
7934	635636.2	4169148.9	Worker	Scenario 1	4.41E-03	8.90E-06	--
7935	635736.2	4169148.9	Worker	Scenario 1	4.13E-03	8.34E-06	--
7936	635836.2	4169148.9	Worker	Scenario 1	4.16E-03	8.40E-06	--
7937	635936.2	4169148.9	Worker	Scenario 1	4.47E-03	9.02E-06	--
7938	636036.2	4169148.9	Worker	Scenario 1	4.72E-03	9.53E-06	--
7939	636136.2	4169148.9	Worker	Scenario 1	5.10E-03	1.03E-05	--
7940	636236.2	4169148.9	Worker	Scenario 1	5.48E-03	1.11E-05	--
7941	636336.2	4169148.9	Worker	Scenario 1	5.69E-03	1.15E-05	--
7942	636436.2	4169148.9	Worker	Scenario 1	5.94E-03	1.20E-05	--
7943	636536.2	4169148.9	Worker	Scenario 1	6.24E-03	1.26E-05	--
7944	636636.2	4169148.9	Worker	Scenario 1	6.50E-03	1.31E-05	--
7945	636736.2	4169148.9	Worker	Scenario 1	6.88E-03	1.39E-05	--
7946	636836.2	4169148.9	Worker	Scenario 1	7.28E-03	1.47E-05	--
7947	636936.2	4169148.9	Worker	Scenario 1	7.67E-03	1.55E-05	--
7948	637036.2	4169148.9	Worker	Scenario 1	8.10E-03	1.64E-05	--
7949	637136.2	4169148.9	Worker	Scenario 1	8.56E-03	1.73E-05	--
7950	637236.2	4169148.9	Worker	Scenario 1	9.12E-03	1.84E-05	--
7951	637336.2	4169148.9	Worker	Scenario 1	9.55E-03	1.93E-05	--
7952	637436.2	4169148.9	Worker	Scenario 1	9.79E-03	1.98E-05	--
7953	637536.2	4169148.9	Worker	Scenario 1	1.03E-02	2.07E-05	--
7954	637636.2	4169148.9	Worker	Scenario 1	1.07E-02	2.16E-05	--
7955	637736.2	4169148.9	Worker	Scenario 1	1.11E-02	2.25E-05	--
7956	637836.2	4169148.9	Worker	Scenario 1	1.16E-02	2.34E-05	--
7957	640136.2	4169148.9	Worker	Scenario 1	4.14E-02	8.36E-05	--
7958	640236.2	4169148.9	Worker	Scenario 1	4.43E-02	8.95E-05	--
7959	641636.2	4169148.9	Worker	Scenario 1	1.69E-01	3.41E-04	--
7960	641736.2	4169148.9	Worker	Scenario 1	1.54E-01	3.11E-04	--
7961	641836.2	4169148.9	Worker	Scenario 1	1.46E-01	2.94E-04	--
7962	641936.2	4169148.9	Worker	Scenario 1	1.41E-01	2.84E-04	--
7963	642036.2	4169148.9	Worker	Scenario 1	1.38E-01	2.78E-04	--
7964	642136.2	4169148.9	Worker	Scenario 1	1.35E-01	2.73E-04	--
7965	642236.2	4169148.9	Worker	Scenario 1	1.33E-01	2.69E-04	--
7966	642336.2	4169148.9	Worker	Scenario 1	1.32E-01	2.66E-04	--
7967	642436.2	4169148.9	Worker	Scenario 1	1.31E-01	2.64E-04	--
7968	642536.2	4169148.9	Worker	Scenario 1	1.30E-01	2.62E-04	--
7969	642636.2	4169148.9	Worker	Scenario 1	1.29E-01	2.60E-04	--
7970	642736.2	4169148.9	Worker	Scenario 1	1.27E-01	2.57E-04	--
7971	642836.2	4169148.9	Worker	Scenario 1	1.25E-01	2.52E-04	--
7972	642936.2	4169148.9	Worker	Scenario 1	1.21E-01	2.45E-04	--
7973	643036.2	4169148.9	Worker	Scenario 1	1.18E-01	2.39E-04	--
7974	643136.2	4169148.9	Worker	Scenario 1	1.16E-01	2.34E-04	--
7975	643236.2	4169148.9	Worker	Scenario 1	1.13E-01	2.28E-04	--
7976	643336.2	4169148.9	Worker	Scenario 1	1.10E-01	2.22E-04	--
7977	643436.2	4169148.9	Worker	Scenario 1	1.07E-01	2.15E-04	--
7978	643536.2	4169148.9	Worker	Scenario 1	1.03E-01	2.08E-04	--
7979	643636.2	4169148.9	Worker	Scenario 1	9.88E-02	1.99E-04	--
7980	643736.2	4169148.9	Worker	Scenario 1	9.52E-02	1.92E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7981	643836.2	4169148.9	Worker	Scenario 1	9.30E-02	1.88E-04	--
7982	643936.2	4169148.9	Worker	Scenario 1	9.17E-02	1.85E-04	--
7983	644036.2	4169148.9	Worker	Scenario 1	9.08E-02	1.83E-04	--
7984	644136.2	4169148.9	Worker	Scenario 1	8.96E-02	1.81E-04	--
7985	644636.2	4169148.9	Worker	Scenario 1	7.93E-02	1.60E-04	--
7986	644736.2	4169148.9	Worker	Scenario 1	7.76E-02	1.57E-04	--
7987	644836.2	4169148.9	Worker	Scenario 1	7.59E-02	1.53E-04	--
7988	644936.2	4169148.9	Worker	Scenario 1	7.43E-02	1.50E-04	--
7989	645036.2	4169148.9	Worker	Scenario 1	7.26E-02	1.47E-04	--
7990	645136.2	4169148.9	Worker	Scenario 1	7.09E-02	1.43E-04	--
7991	645236.2	4169148.9	Worker	Scenario 1	6.93E-02	1.40E-04	--
7992	645336.2	4169148.9	Worker	Scenario 1	6.78E-02	1.37E-04	--
7993	645436.2	4169148.9	Worker	Scenario 1	6.65E-02	1.34E-04	--
7994	645536.2	4169148.9	Worker	Scenario 1	6.54E-02	1.32E-04	--
7995	645636.2	4169148.9	Worker	Scenario 1	6.45E-02	1.30E-04	--
7996	645736.2	4169148.9	Worker	Scenario 1	6.36E-02	1.29E-04	--
7997	645836.2	4169148.9	Worker	Scenario 1	6.29E-02	1.27E-04	--
7998	645936.2	4169148.9	Worker	Scenario 1	6.21E-02	1.26E-04	--
7999	646036.2	4169148.9	Worker	Scenario 1	6.14E-02	1.24E-04	--
8000	635636.2	4169248.9	Worker	Scenario 1	4.66E-03	9.42E-06	--
8001	635736.2	4169248.9	Worker	Scenario 1	5.00E-03	1.01E-05	--
8002	635836.2	4169248.9	Worker	Scenario 1	4.72E-03	9.53E-06	--
8003	635936.2	4169248.9	Worker	Scenario 1	4.60E-03	9.30E-06	--
8004	636036.2	4169248.9	Worker	Scenario 1	4.95E-03	9.99E-06	--
8005	636136.2	4169248.9	Worker	Scenario 1	5.24E-03	1.06E-05	--
8006	636236.2	4169248.9	Worker	Scenario 1	5.52E-03	1.12E-05	--
8007	636336.2	4169248.9	Worker	Scenario 1	5.91E-03	1.19E-05	--
8008	636436.2	4169248.9	Worker	Scenario 1	6.42E-03	1.30E-05	--
8009	636536.2	4169248.9	Worker	Scenario 1	6.93E-03	1.40E-05	--
8010	636636.2	4169248.9	Worker	Scenario 1	6.91E-03	1.40E-05	--
8011	636736.2	4169248.9	Worker	Scenario 1	7.22E-03	1.46E-05	--
8012	636836.2	4169248.9	Worker	Scenario 1	7.69E-03	1.55E-05	--
8013	636936.2	4169248.9	Worker	Scenario 1	8.04E-03	1.62E-05	--
8014	637036.2	4169248.9	Worker	Scenario 1	8.45E-03	1.71E-05	--
8015	637136.2	4169248.9	Worker	Scenario 1	8.82E-03	1.78E-05	--
8016	637236.2	4169248.9	Worker	Scenario 1	9.25E-03	1.87E-05	--
8017	637336.2	4169248.9	Worker	Scenario 1	9.82E-03	1.98E-05	--
8018	637436.2	4169248.9	Worker	Scenario 1	1.01E-02	2.05E-05	--
8019	637536.2	4169248.9	Worker	Scenario 1	1.06E-02	2.15E-05	--
8020	637636.2	4169248.9	Worker	Scenario 1	1.10E-02	2.23E-05	--
8021	637736.2	4169248.9	Worker	Scenario 1	1.15E-02	2.32E-05	--
8022	637936.2	4169248.9	Worker	Scenario 1	1.24E-02	2.50E-05	--
8023	640036.2	4169248.9	Worker	Scenario 1	3.89E-02	7.86E-05	--
8024	640136.2	4169248.9	Worker	Scenario 1	4.14E-02	8.37E-05	--
8025	640236.2	4169248.9	Worker	Scenario 1	4.43E-02	8.94E-05	--
8026	641636.2	4169248.9	Worker	Scenario 1	1.64E-01	3.32E-04	--
8027	641736.2	4169248.9	Worker	Scenario 1	1.48E-01	3.00E-04	--
8028	641836.2	4169248.9	Worker	Scenario 1	1.40E-01	2.82E-04	--
8029	641936.2	4169248.9	Worker	Scenario 1	1.34E-01	2.70E-04	--
8030	642036.2	4169248.9	Worker	Scenario 1	1.30E-01	2.63E-04	--
8031	642136.2	4169248.9	Worker	Scenario 1	1.27E-01	2.57E-04	--
8032	642236.2	4169248.9	Worker	Scenario 1	1.25E-01	2.53E-04	--
8033	642336.2	4169248.9	Worker	Scenario 1	1.23E-01	2.49E-04	--
8034	642436.2	4169248.9	Worker	Scenario 1	1.22E-01	2.47E-04	--
8035	642536.2	4169248.9	Worker	Scenario 1	1.21E-01	2.45E-04	--
8036	642636.2	4169248.9	Worker	Scenario 1	1.20E-01	2.43E-04	--
8037	642736.2	4169248.9	Worker	Scenario 1	1.19E-01	2.40E-04	--
8038	642836.2	4169248.9	Worker	Scenario 1	1.16E-01	2.34E-04	--
8039	642936.2	4169248.9	Worker	Scenario 1	1.13E-01	2.28E-04	--
8040	643036.2	4169248.9	Worker	Scenario 1	1.10E-01	2.23E-04	--
8041	643136.2	4169248.9	Worker	Scenario 1	1.08E-01	2.18E-04	--
8042	643236.2	4169248.9	Worker	Scenario 1	1.06E-01	2.14E-04	--
8043	643336.2	4169248.9	Worker	Scenario 1	1.03E-01	2.08E-04	--
8044	643436.2	4169248.9	Worker	Scenario 1	1.00E-01	2.03E-04	--
8045	643536.2	4169248.9	Worker	Scenario 1	9.70E-02	1.96E-04	--
8046	643636.2	4169248.9	Worker	Scenario 1	9.34E-02	1.89E-04	--
8047	643736.2	4169248.9	Worker	Scenario 1	9.00E-02	1.82E-04	--
8048	643836.2	4169248.9	Worker	Scenario 1	8.75E-02	1.77E-04	--
8049	643936.2	4169248.9	Worker	Scenario 1	8.61E-02	1.74E-04	--
8050	644036.2	4169248.9	Worker	Scenario 1	8.53E-02	1.72E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8051	644136.2	4169248.9	Worker	Scenario 1	8.43E-02	1.70E-04	--
8052	644236.2	4169248.9	Worker	Scenario 1	8.29E-02	1.68E-04	--
8053	644636.2	4169248.9	Worker	Scenario 1	7.53E-02	1.52E-04	--
8054	644736.2	4169248.9	Worker	Scenario 1	7.36E-02	1.49E-04	--
8055	644836.2	4169248.9	Worker	Scenario 1	7.21E-02	1.46E-04	--
8056	644936.2	4169248.9	Worker	Scenario 1	7.07E-02	1.43E-04	--
8057	645036.2	4169248.9	Worker	Scenario 1	6.92E-02	1.40E-04	--
8058	645136.2	4169248.9	Worker	Scenario 1	6.76E-02	1.37E-04	--
8059	645236.2	4169248.9	Worker	Scenario 1	6.61E-02	1.33E-04	--
8060	645336.2	4169248.9	Worker	Scenario 1	6.46E-02	1.30E-04	--
8061	645436.2	4169248.9	Worker	Scenario 1	6.32E-02	1.28E-04	--
8062	645536.2	4169248.9	Worker	Scenario 1	6.19E-02	1.25E-04	--
8063	645636.2	4169248.9	Worker	Scenario 1	6.09E-02	1.23E-04	--
8064	645736.2	4169248.9	Worker	Scenario 1	5.99E-02	1.21E-04	--
8065	645836.2	4169248.9	Worker	Scenario 1	5.91E-02	1.19E-04	--
8066	645936.2	4169248.9	Worker	Scenario 1	5.84E-02	1.18E-04	--
8067	646036.2	4169248.9	Worker	Scenario 1	5.77E-02	1.17E-04	--
8068	635636.2	4169348.9	Worker	Scenario 1	6.33E-03	1.28E-05	--
8069	635736.2	4169348.9	Worker	Scenario 1	5.43E-03	1.10E-05	--
8070	635836.2	4169348.9	Worker	Scenario 1	5.32E-03	1.07E-05	--
8071	635936.2	4169348.9	Worker	Scenario 1	5.32E-03	1.07E-05	--
8072	636036.2	4169348.9	Worker	Scenario 1	5.46E-03	1.10E-05	--
8073	636136.2	4169348.9	Worker	Scenario 1	5.58E-03	1.13E-05	--
8074	636236.2	4169348.9	Worker	Scenario 1	5.81E-03	1.17E-05	--
8075	636336.2	4169348.9	Worker	Scenario 1	6.19E-03	1.25E-05	--
8076	636436.2	4169348.9	Worker	Scenario 1	6.60E-03	1.33E-05	--
8077	636536.2	4169348.9	Worker	Scenario 1	6.94E-03	1.40E-05	--
8078	636636.2	4169348.9	Worker	Scenario 1	7.58E-03	1.53E-05	--
8079	636736.2	4169348.9	Worker	Scenario 1	7.62E-03	1.54E-05	--
8080	636836.2	4169348.9	Worker	Scenario 1	7.99E-03	1.61E-05	--
8081	636936.2	4169348.9	Worker	Scenario 1	8.54E-03	1.73E-05	--
8082	637036.2	4169348.9	Worker	Scenario 1	8.88E-03	1.79E-05	--
8083	637136.2	4169348.9	Worker	Scenario 1	9.38E-03	1.89E-05	--
8084	637236.2	4169348.9	Worker	Scenario 1	9.77E-03	1.97E-05	--
8085	637336.2	4169348.9	Worker	Scenario 1	1.01E-02	2.05E-05	--
8086	637436.2	4169348.9	Worker	Scenario 1	1.06E-02	2.13E-05	--
8087	637536.2	4169348.9	Worker	Scenario 1	1.10E-02	2.22E-05	--
8088	637636.2	4169348.9	Worker	Scenario 1	1.14E-02	2.30E-05	--
8089	637836.2	4169348.9	Worker	Scenario 1	1.22E-02	2.46E-05	--
8090	639736.2	4169348.9	Worker	Scenario 1	3.28E-02	6.62E-05	--
8091	639836.2	4169348.9	Worker	Scenario 1	3.47E-02	7.00E-05	--
8092	639936.2	4169348.9	Worker	Scenario 1	3.67E-02	7.42E-05	--
8093	640036.2	4169348.9	Worker	Scenario 1	3.90E-02	7.87E-05	--
8094	640136.2	4169348.9	Worker	Scenario 1	4.14E-02	8.36E-05	--
8095	640236.2	4169348.9	Worker	Scenario 1	4.41E-02	8.92E-05	--
8096	641636.2	4169348.9	Worker	Scenario 1	1.60E-01	3.22E-04	--
8097	641736.2	4169348.9	Worker	Scenario 1	1.43E-01	2.89E-04	--
8098	641836.2	4169348.9	Worker	Scenario 1	1.34E-01	2.70E-04	--
8099	641936.2	4169348.9	Worker	Scenario 1	1.28E-01	2.58E-04	--
8100	642036.2	4169348.9	Worker	Scenario 1	1.23E-01	2.49E-04	--
8101	642136.2	4169348.9	Worker	Scenario 1	1.20E-01	2.43E-04	--
8102	642236.2	4169348.9	Worker	Scenario 1	1.18E-01	2.38E-04	--
8103	642336.2	4169348.9	Worker	Scenario 1	1.16E-01	2.34E-04	--
8104	642436.2	4169348.9	Worker	Scenario 1	1.15E-01	2.32E-04	--
8105	642536.2	4169348.9	Worker	Scenario 1	1.14E-01	2.30E-04	--
8106	642636.2	4169348.9	Worker	Scenario 1	1.13E-01	2.28E-04	--
8107	642736.2	4169348.9	Worker	Scenario 1	1.11E-01	2.24E-04	--
8108	642836.2	4169348.9	Worker	Scenario 1	1.08E-01	2.19E-04	--
8109	642936.2	4169348.9	Worker	Scenario 1	1.06E-01	2.13E-04	--
8110	643036.2	4169348.9	Worker	Scenario 1	1.03E-01	2.09E-04	--
8111	643136.2	4169348.9	Worker	Scenario 1	1.01E-01	2.05E-04	--
8112	643236.2	4169348.9	Worker	Scenario 1	9.92E-02	2.00E-04	--
8113	643336.2	4169348.9	Worker	Scenario 1	9.69E-02	1.96E-04	--
8114	643436.2	4169348.9	Worker	Scenario 1	9.45E-02	1.91E-04	--
8115	643536.2	4169348.9	Worker	Scenario 1	9.17E-02	1.85E-04	--
8116	643636.2	4169348.9	Worker	Scenario 1	8.84E-02	1.79E-04	--
8117	643736.2	4169348.9	Worker	Scenario 1	8.54E-02	1.72E-04	--
8118	643836.2	4169348.9	Worker	Scenario 1	8.27E-02	1.67E-04	--
8119	643936.2	4169348.9	Worker	Scenario 1	8.09E-02	1.63E-04	--
8120	644036.2	4169348.9	Worker	Scenario 1	8.00E-02	1.62E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8121	644136.2	4169348.9	Worker	Scenario 1	7.94E-02	1.60E-04	--
8122	644236.2	4169348.9	Worker	Scenario 1	7.85E-02	1.59E-04	--
8123	644336.2	4169348.9	Worker	Scenario 1	7.72E-02	1.56E-04	--
8124	644636.2	4169348.9	Worker	Scenario 1	7.18E-02	1.45E-04	--
8125	644736.2	4169348.9	Worker	Scenario 1	7.01E-02	1.42E-04	--
8126	644836.2	4169348.9	Worker	Scenario 1	6.87E-02	1.39E-04	--
8127	644936.2	4169348.9	Worker	Scenario 1	6.73E-02	1.36E-04	--
8128	645036.2	4169348.9	Worker	Scenario 1	6.60E-02	1.33E-04	--
8129	645136.2	4169348.9	Worker	Scenario 1	6.46E-02	1.31E-04	--
8130	645236.2	4169348.9	Worker	Scenario 1	6.32E-02	1.28E-04	--
8131	645336.2	4169348.9	Worker	Scenario 1	6.17E-02	1.25E-04	--
8132	645436.2	4169348.9	Worker	Scenario 1	6.03E-02	1.22E-04	--
8133	645536.2	4169348.9	Worker	Scenario 1	5.90E-02	1.19E-04	--
8134	645636.2	4169348.9	Worker	Scenario 1	5.79E-02	1.17E-04	--
8135	645736.2	4169348.9	Worker	Scenario 1	5.68E-02	1.15E-04	--
8136	645836.2	4169348.9	Worker	Scenario 1	5.59E-02	1.13E-04	--
8137	645936.2	4169348.9	Worker	Scenario 1	5.51E-02	1.11E-04	--
8138	635636.2	4169448.9	Worker	Scenario 1	6.65E-03	1.34E-05	--
8139	635736.2	4169448.9	Worker	Scenario 1	6.62E-03	1.34E-05	--
8140	635836.2	4169448.9	Worker	Scenario 1	6.08E-03	1.23E-05	--
8141	635936.2	4169448.9	Worker	Scenario 1	6.12E-03	1.24E-05	--
8142	636036.2	4169448.9	Worker	Scenario 1	6.10E-03	1.23E-05	--
8143	636136.2	4169448.9	Worker	Scenario 1	6.13E-03	1.24E-05	--
8144	636236.2	4169448.9	Worker	Scenario 1	6.23E-03	1.26E-05	--
8145	636336.2	4169448.9	Worker	Scenario 1	6.47E-03	1.31E-05	--
8146	636436.2	4169448.9	Worker	Scenario 1	6.81E-03	1.38E-05	--
8147	636536.2	4169448.9	Worker	Scenario 1	7.22E-03	1.46E-05	--
8148	636636.2	4169448.9	Worker	Scenario 1	7.67E-03	1.55E-05	--
8149	636736.2	4169448.9	Worker	Scenario 1	8.18E-03	1.65E-05	--
8150	636836.2	4169448.9	Worker	Scenario 1	8.43E-03	1.70E-05	--
8151	636936.2	4169448.9	Worker	Scenario 1	8.89E-03	1.80E-05	--
8152	637036.2	4169448.9	Worker	Scenario 1	9.12E-03	1.84E-05	--
8153	637136.2	4169448.9	Worker	Scenario 1	9.42E-03	1.90E-05	--
8154	637236.2	4169448.9	Worker	Scenario 1	9.82E-03	1.98E-05	--
8155	637336.2	4169448.9	Worker	Scenario 1	1.02E-02	2.07E-05	--
8156	637436.2	4169448.9	Worker	Scenario 1	1.07E-02	2.17E-05	--
8157	637736.2	4169448.9	Worker	Scenario 1	1.21E-02	2.44E-05	--
8158	637836.2	4169448.9	Worker	Scenario 1	1.25E-02	2.53E-05	--
8159	639736.2	4169448.9	Worker	Scenario 1	3.29E-02	6.65E-05	--
8160	639836.2	4169448.9	Worker	Scenario 1	3.47E-02	7.02E-05	--
8161	639936.2	4169448.9	Worker	Scenario 1	3.67E-02	7.42E-05	--
8162	640036.2	4169448.9	Worker	Scenario 1	3.89E-02	7.85E-05	--
8163	640136.2	4169448.9	Worker	Scenario 1	4.13E-02	8.33E-05	--
8164	640236.2	4169448.9	Worker	Scenario 1	4.39E-02	8.87E-05	--
8165	641636.2	4169448.9	Worker	Scenario 1	1.55E-01	3.12E-04	--
8166	641736.2	4169448.9	Worker	Scenario 1	1.38E-01	2.78E-04	--
8167	641836.2	4169448.9	Worker	Scenario 1	1.28E-01	2.58E-04	--
8168	641936.2	4169448.9	Worker	Scenario 1	1.21E-01	2.45E-04	--
8169	642036.2	4169448.9	Worker	Scenario 1	1.17E-01	2.36E-04	--
8170	642136.2	4169448.9	Worker	Scenario 1	1.14E-01	2.29E-04	--
8171	642236.2	4169448.9	Worker	Scenario 1	1.11E-01	2.24E-04	--
8172	642336.2	4169448.9	Worker	Scenario 1	1.09E-01	2.20E-04	--
8173	642436.2	4169448.9	Worker	Scenario 1	1.08E-01	2.18E-04	--
8174	642536.2	4169448.9	Worker	Scenario 1	1.07E-01	2.17E-04	--
8175	642636.2	4169448.9	Worker	Scenario 1	1.06E-01	2.14E-04	--
8176	642736.2	4169448.9	Worker	Scenario 1	1.04E-01	2.10E-04	--
8177	642836.2	4169448.9	Worker	Scenario 1	1.02E-01	2.05E-04	--
8178	642936.2	4169448.9	Worker	Scenario 1	9.91E-02	2.00E-04	--
8179	643036.2	4169448.9	Worker	Scenario 1	9.70E-02	1.96E-04	--
8180	643136.2	4169448.9	Worker	Scenario 1	9.52E-02	1.92E-04	--
8181	643236.2	4169448.9	Worker	Scenario 1	9.33E-02	1.88E-04	--
8182	643336.2	4169448.9	Worker	Scenario 1	9.13E-02	1.84E-04	--
8183	643436.2	4169448.9	Worker	Scenario 1	8.92E-02	1.80E-04	--
8184	643536.2	4169448.9	Worker	Scenario 1	8.68E-02	1.75E-04	--
8185	643636.2	4169448.9	Worker	Scenario 1	8.38E-02	1.69E-04	--
8186	643736.2	4169448.9	Worker	Scenario 1	8.09E-02	1.63E-04	--
8187	643836.2	4169448.9	Worker	Scenario 1	7.82E-02	1.58E-04	--
8188	643936.2	4169448.9	Worker	Scenario 1	7.64E-02	1.54E-04	--
8189	644036.2	4169448.9	Worker	Scenario 1	7.54E-02	1.52E-04	--
8190	644136.2	4169448.9	Worker	Scenario 1	7.49E-02	1.51E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8191	644236.2	4169448.9	Worker	Scenario 1	7.43E-02	1.50E-04	--
8192	644336.2	4169448.9	Worker	Scenario 1	7.33E-02	1.48E-04	--
8193	644636.2	4169448.9	Worker	Scenario 1	6.86E-02	1.39E-04	--
8194	644736.2	4169448.9	Worker	Scenario 1	6.70E-02	1.35E-04	--
8195	644836.2	4169448.9	Worker	Scenario 1	6.54E-02	1.32E-04	--
8196	644936.2	4169448.9	Worker	Scenario 1	6.42E-02	1.30E-04	--
8197	645036.2	4169448.9	Worker	Scenario 1	6.29E-02	1.27E-04	--
8198	645136.2	4169448.9	Worker	Scenario 1	6.17E-02	1.25E-04	--
8199	645236.2	4169448.9	Worker	Scenario 1	6.04E-02	1.22E-04	--
8200	645336.2	4169448.9	Worker	Scenario 1	5.91E-02	1.19E-04	--
8201	645436.2	4169448.9	Worker	Scenario 1	5.78E-02	1.17E-04	--
8202	645536.2	4169448.9	Worker	Scenario 1	5.65E-02	1.14E-04	--
8203	645636.2	4169448.9	Worker	Scenario 1	5.52E-02	1.12E-04	--
8204	645736.2	4169448.9	Worker	Scenario 1	5.41E-02	1.09E-04	--
8205	635636.2	4169548.9	Worker	Scenario 1	6.78E-03	1.37E-05	--
8206	635736.2	4169548.9	Worker	Scenario 1	6.94E-03	1.40E-05	--
8207	635836.2	4169548.9	Worker	Scenario 1	7.03E-03	1.42E-05	--
8208	635936.2	4169548.9	Worker	Scenario 1	6.96E-03	1.41E-05	--
8209	636036.2	4169548.9	Worker	Scenario 1	6.42E-03	1.30E-05	--
8210	636136.2	4169548.9	Worker	Scenario 1	6.59E-03	1.33E-05	--
8211	636236.2	4169548.9	Worker	Scenario 1	6.77E-03	1.37E-05	--
8212	636336.2	4169548.9	Worker	Scenario 1	6.90E-03	1.39E-05	--
8213	636436.2	4169548.9	Worker	Scenario 1	7.14E-03	1.44E-05	--
8214	636536.2	4169548.9	Worker	Scenario 1	7.51E-03	1.52E-05	--
8215	636636.2	4169548.9	Worker	Scenario 1	7.93E-03	1.60E-05	--
8216	636736.2	4169548.9	Worker	Scenario 1	8.26E-03	1.67E-05	--
8217	636836.2	4169548.9	Worker	Scenario 1	8.55E-03	1.73E-05	--
8218	636936.2	4169548.9	Worker	Scenario 1	8.86E-03	1.79E-05	--
8219	637036.2	4169548.9	Worker	Scenario 1	9.23E-03	1.87E-05	--
8220	637136.2	4169548.9	Worker	Scenario 1	9.64E-03	1.95E-05	--
8221	637236.2	4169548.9	Worker	Scenario 1	1.00E-02	2.02E-05	--
8222	637336.2	4169548.9	Worker	Scenario 1	1.05E-02	2.11E-05	--
8223	637536.2	4169548.9	Worker	Scenario 1	1.15E-02	2.33E-05	--
8224	637636.2	4169548.9	Worker	Scenario 1	1.20E-02	2.42E-05	--
8225	637736.2	4169548.9	Worker	Scenario 1	1.24E-02	2.50E-05	--
8226	639636.2	4169548.9	Worker	Scenario 1	3.13E-02	6.33E-05	--
8227	639736.2	4169548.9	Worker	Scenario 1	3.30E-02	6.66E-05	--
8228	639836.2	4169548.9	Worker	Scenario 1	3.47E-02	7.01E-05	--
8229	639936.2	4169548.9	Worker	Scenario 1	3.66E-02	7.40E-05	--
8230	640036.2	4169548.9	Worker	Scenario 1	3.87E-02	7.82E-05	--
8231	640136.2	4169548.9	Worker	Scenario 1	4.10E-02	8.29E-05	--
8232	640236.2	4169548.9	Worker	Scenario 1	4.35E-02	8.79E-05	--
8233	641536.2	4169548.9	Worker	Scenario 1	1.82E-01	3.68E-04	--
8234	641636.2	4169548.9	Worker	Scenario 1	1.49E-01	3.02E-04	--
8235	641736.2	4169548.9	Worker	Scenario 1	1.32E-01	2.67E-04	--
8236	641836.2	4169548.9	Worker	Scenario 1	1.22E-01	2.47E-04	--
8237	641936.2	4169548.9	Worker	Scenario 1	1.16E-01	2.33E-04	--
8238	642036.2	4169548.9	Worker	Scenario 1	1.11E-01	2.24E-04	--
8239	642136.2	4169548.9	Worker	Scenario 1	1.07E-01	2.17E-04	--
8240	642236.2	4169548.9	Worker	Scenario 1	1.05E-01	2.11E-04	--
8241	642336.2	4169548.9	Worker	Scenario 1	1.03E-01	2.08E-04	--
8242	642436.2	4169548.9	Worker	Scenario 1	1.02E-01	2.06E-04	--
8243	642536.2	4169548.9	Worker	Scenario 1	1.01E-01	2.04E-04	--
8244	642636.2	4169548.9	Worker	Scenario 1	9.98E-02	2.02E-04	--
8245	642736.2	4169548.9	Worker	Scenario 1	9.78E-02	1.98E-04	--
8246	642836.2	4169548.9	Worker	Scenario 1	9.55E-02	1.93E-04	--
8247	642936.2	4169548.9	Worker	Scenario 1	9.31E-02	1.88E-04	--
8248	643036.2	4169548.9	Worker	Scenario 1	9.12E-02	1.84E-04	--
8249	643136.2	4169548.9	Worker	Scenario 1	8.95E-02	1.81E-04	--
8250	643236.2	4169548.9	Worker	Scenario 1	8.79E-02	1.78E-04	--
8251	643336.2	4169548.9	Worker	Scenario 1	8.60E-02	1.74E-04	--
8252	643436.2	4169548.9	Worker	Scenario 1	8.41E-02	1.70E-04	--
8253	643536.2	4169548.9	Worker	Scenario 1	8.20E-02	1.66E-04	--
8254	643636.2	4169548.9	Worker	Scenario 1	7.96E-02	1.61E-04	--
8255	643736.2	4169548.9	Worker	Scenario 1	7.70E-02	1.55E-04	--
8256	643836.2	4169548.9	Worker	Scenario 1	7.44E-02	1.50E-04	--
8257	643936.2	4169548.9	Worker	Scenario 1	7.24E-02	1.46E-04	--
8258	644036.2	4169548.9	Worker	Scenario 1	7.12E-02	1.44E-04	--
8259	644136.2	4169548.9	Worker	Scenario 1	7.06E-02	1.43E-04	--
8260	644236.2	4169548.9	Worker	Scenario 1	7.02E-02	1.42E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8261	644336.2	4169548.9	Worker	Scenario 1	6.95E-02	1.40E-04	--
8262	644436.2	4169548.9	Worker	Scenario 1	6.86E-02	1.39E-04	--
8263	644636.2	4169548.9	Worker	Scenario 1	6.57E-02	1.33E-04	--
8264	644736.2	4169548.9	Worker	Scenario 1	6.41E-02	1.29E-04	--
8265	644836.2	4169548.9	Worker	Scenario 1	6.26E-02	1.26E-04	--
8266	644936.2	4169548.9	Worker	Scenario 1	6.13E-02	1.24E-04	--
8267	645036.2	4169548.9	Worker	Scenario 1	6.01E-02	1.21E-04	--
8268	645136.2	4169548.9	Worker	Scenario 1	5.90E-02	1.19E-04	--
8269	645236.2	4169548.9	Worker	Scenario 1	5.79E-02	1.17E-04	--
8270	645336.2	4169548.9	Worker	Scenario 1	5.68E-02	1.15E-04	--
8271	645436.2	4169548.9	Worker	Scenario 1	5.55E-02	1.12E-04	--
8272	645536.2	4169548.9	Worker	Scenario 1	5.43E-02	1.10E-04	--
8273	635636.2	4169648.9	Worker	Scenario 1	6.86E-03	1.38E-05	--
8274	635736.2	4169648.9	Worker	Scenario 1	7.00E-03	1.41E-05	--
8275	635836.2	4169648.9	Worker	Scenario 1	7.19E-03	1.45E-05	--
8276	635936.2	4169648.9	Worker	Scenario 1	7.27E-03	1.47E-05	--
8277	636036.2	4169648.9	Worker	Scenario 1	7.37E-03	1.49E-05	--
8278	636136.2	4169648.9	Worker	Scenario 1	7.39E-03	1.49E-05	--
8279	636236.2	4169648.9	Worker	Scenario 1	7.26E-03	1.47E-05	--
8280	636336.2	4169648.9	Worker	Scenario 1	7.35E-03	1.48E-05	--
8281	636436.2	4169648.9	Worker	Scenario 1	7.45E-03	1.50E-05	--
8282	636536.2	4169648.9	Worker	Scenario 1	7.72E-03	1.56E-05	--
8283	636636.2	4169648.9	Worker	Scenario 1	8.03E-03	1.62E-05	--
8284	636736.2	4169648.9	Worker	Scenario 1	8.39E-03	1.69E-05	--
8285	636836.2	4169648.9	Worker	Scenario 1	8.73E-03	1.76E-05	--
8286	636936.2	4169648.9	Worker	Scenario 1	9.11E-03	1.84E-05	--
8287	637036.2	4169648.9	Worker	Scenario 1	9.48E-03	1.92E-05	--
8288	637136.2	4169648.9	Worker	Scenario 1	9.86E-03	1.99E-05	--
8289	637436.2	4169648.9	Worker	Scenario 1	1.16E-02	2.34E-05	--
8290	637536.2	4169648.9	Worker	Scenario 1	1.19E-02	2.41E-05	--
8291	637636.2	4169648.9	Worker	Scenario 1	1.23E-02	2.48E-05	--
8292	637736.2	4169648.9	Worker	Scenario 1	1.26E-02	2.55E-05	--
8293	639536.2	4169648.9	Worker	Scenario 1	2.99E-02	6.03E-05	--
8294	639636.2	4169648.9	Worker	Scenario 1	3.13E-02	6.33E-05	--
8295	639736.2	4169648.9	Worker	Scenario 1	3.29E-02	6.65E-05	--
8296	639836.2	4169648.9	Worker	Scenario 1	3.46E-02	6.99E-05	--
8297	639936.2	4169648.9	Worker	Scenario 1	3.65E-02	7.36E-05	--
8298	640036.2	4169648.9	Worker	Scenario 1	3.84E-02	7.76E-05	--
8299	640136.2	4169648.9	Worker	Scenario 1	4.07E-02	8.22E-05	--
8300	640236.2	4169648.9	Worker	Scenario 1	4.32E-02	8.72E-05	--
8301	640336.2	4169648.9	Worker	Scenario 1	4.60E-02	9.29E-05	--
8302	640836.2	4169648.9	Worker	Scenario 1	6.84E-02	1.38E-04	--
8303	640936.2	4169648.9	Worker	Scenario 1	7.67E-02	1.55E-04	--
8304	641036.2	4169648.9	Worker	Scenario 1	8.88E-02	1.79E-04	--
8305	641136.2	4169648.9	Worker	Scenario 1	1.11E-01	2.24E-04	--
8306	641236.2	4169648.9	Worker	Scenario 1	1.70E-01	3.44E-04	--
8307	641336.2	4169648.9	Worker	Scenario 1	7.54E-01	1.52E-03	--
8308	641436.2	4169648.9	Worker	Scenario 1	2.58E-01	5.22E-04	--
8309	641536.2	4169648.9	Worker	Scenario 1	1.76E-01	3.56E-04	--
8310	641636.2	4169648.9	Worker	Scenario 1	1.43E-01	2.90E-04	--
8311	641736.2	4169648.9	Worker	Scenario 1	1.26E-01	2.55E-04	--
8312	641836.2	4169648.9	Worker	Scenario 1	1.16E-01	2.35E-04	--
8313	641936.2	4169648.9	Worker	Scenario 1	1.10E-01	2.22E-04	--
8314	642036.2	4169648.9	Worker	Scenario 1	1.05E-01	2.12E-04	--
8315	642136.2	4169648.9	Worker	Scenario 1	1.02E-01	2.05E-04	--
8316	642236.2	4169648.9	Worker	Scenario 1	9.88E-02	2.00E-04	--
8317	642336.2	4169648.9	Worker	Scenario 1	9.71E-02	1.96E-04	--
8318	642436.2	4169648.9	Worker	Scenario 1	9.60E-02	1.94E-04	--
8319	642536.2	4169648.9	Worker	Scenario 1	9.51E-02	1.92E-04	--
8320	642636.2	4169648.9	Worker	Scenario 1	9.39E-02	1.90E-04	--
8321	642736.2	4169648.9	Worker	Scenario 1	9.20E-02	1.86E-04	--
8322	642836.2	4169648.9	Worker	Scenario 1	8.98E-02	1.81E-04	--
8323	642936.2	4169648.9	Worker	Scenario 1	8.76E-02	1.77E-04	--
8324	643036.2	4169648.9	Worker	Scenario 1	8.57E-02	1.73E-04	--
8325	643136.2	4169648.9	Worker	Scenario 1	8.43E-02	1.70E-04	--
8326	643236.2	4169648.9	Worker	Scenario 1	8.28E-02	1.67E-04	--
8327	643336.2	4169648.9	Worker	Scenario 1	8.12E-02	1.64E-04	--
8328	643436.2	4169648.9	Worker	Scenario 1	7.95E-02	1.61E-04	--
8329	643536.2	4169648.9	Worker	Scenario 1	7.78E-02	1.57E-04	--
8330	643636.2	4169648.9	Worker	Scenario 1	7.57E-02	1.53E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8331	643736.2	4169648.9	Worker	Scenario 1	7.33E-02	1.48E-04	--
8332	643836.2	4169648.9	Worker	Scenario 1	7.09E-02	1.43E-04	--
8333	643936.2	4169648.9	Worker	Scenario 1	6.88E-02	1.39E-04	--
8334	644036.2	4169648.9	Worker	Scenario 1	6.74E-02	1.36E-04	--
8335	644136.2	4169648.9	Worker	Scenario 1	6.67E-02	1.35E-04	--
8336	644236.2	4169648.9	Worker	Scenario 1	6.63E-02	1.34E-04	--
8337	644336.2	4169648.9	Worker	Scenario 1	6.59E-02	1.33E-04	--
8338	644436.2	4169648.9	Worker	Scenario 1	6.53E-02	1.32E-04	--
8339	644636.2	4169648.9	Worker	Scenario 1	6.30E-02	1.27E-04	--
8340	644736.2	4169648.9	Worker	Scenario 1	6.15E-02	1.24E-04	--
8341	644836.2	4169648.9	Worker	Scenario 1	6.00E-02	1.21E-04	--
8342	644936.2	4169648.9	Worker	Scenario 1	5.87E-02	1.19E-04	--
8343	645036.2	4169648.9	Worker	Scenario 1	5.75E-02	1.16E-04	--
8344	645136.2	4169648.9	Worker	Scenario 1	5.65E-02	1.14E-04	--
8345	645236.2	4169648.9	Worker	Scenario 1	5.55E-02	1.12E-04	--
8346	635636.2	4169748.9	Worker	Scenario 1	7.07E-03	1.43E-05	--
8347	635736.2	4169748.9	Worker	Scenario 1	7.26E-03	1.47E-05	--
8348	635836.2	4169748.9	Worker	Scenario 1	7.40E-03	1.49E-05	--
8349	635936.2	4169748.9	Worker	Scenario 1	7.46E-03	1.51E-05	--
8350	636036.2	4169748.9	Worker	Scenario 1	7.63E-03	1.54E-05	--
8351	636136.2	4169748.9	Worker	Scenario 1	7.75E-03	1.57E-05	--
8352	636236.2	4169748.9	Worker	Scenario 1	7.82E-03	1.58E-05	--
8353	636336.2	4169748.9	Worker	Scenario 1	7.60E-03	1.54E-05	--
8354	636436.2	4169748.9	Worker	Scenario 1	7.88E-03	1.59E-05	--
8355	636536.2	4169748.9	Worker	Scenario 1	8.10E-03	1.64E-05	--
8356	636636.2	4169748.9	Worker	Scenario 1	8.30E-03	1.68E-05	--
8357	636736.2	4169748.9	Worker	Scenario 1	8.61E-03	1.74E-05	--
8358	636836.2	4169748.9	Worker	Scenario 1	8.97E-03	1.81E-05	--
8359	636936.2	4169748.9	Worker	Scenario 1	9.34E-03	1.89E-05	--
8360	637036.2	4169748.9	Worker	Scenario 1	9.70E-03	1.96E-05	--
8361	637236.2	4169748.9	Worker	Scenario 1	1.05E-02	2.13E-05	--
8362	637336.2	4169748.9	Worker	Scenario 1	1.19E-02	2.41E-05	--
8363	637436.2	4169748.9	Worker	Scenario 1	1.20E-02	2.42E-05	--
8364	637536.2	4169748.9	Worker	Scenario 1	1.23E-02	2.48E-05	--
8365	637636.2	4169748.9	Worker	Scenario 1	1.26E-02	2.55E-05	--
8366	637836.2	4169748.9	Worker	Scenario 1	1.35E-02	2.72E-05	--
8367	639336.2	4169748.9	Worker	Scenario 1	2.72E-02	5.50E-05	--
8368	639436.2	4169748.9	Worker	Scenario 1	2.85E-02	5.75E-05	--
8369	639536.2	4169748.9	Worker	Scenario 1	2.98E-02	6.02E-05	--
8370	639636.2	4169748.9	Worker	Scenario 1	3.13E-02	6.31E-05	--
8371	639736.2	4169748.9	Worker	Scenario 1	3.28E-02	6.63E-05	--
8372	639836.2	4169748.9	Worker	Scenario 1	3.44E-02	6.96E-05	--
8373	639936.2	4169748.9	Worker	Scenario 1	3.62E-02	7.31E-05	--
8374	640036.2	4169748.9	Worker	Scenario 1	3.82E-02	7.71E-05	--
8375	640136.2	4169748.9	Worker	Scenario 1	4.03E-02	8.15E-05	--
8376	640236.2	4169748.9	Worker	Scenario 1	4.28E-02	8.64E-05	--
8377	640336.2	4169748.9	Worker	Scenario 1	4.55E-02	9.19E-05	--
8378	640436.2	4169748.9	Worker	Scenario 1	4.85E-02	9.81E-05	--
8379	640536.2	4169748.9	Worker	Scenario 1	5.21E-02	1.05E-04	--
8380	640636.2	4169748.9	Worker	Scenario 1	5.61E-02	1.13E-04	--
8381	640736.2	4169748.9	Worker	Scenario 1	6.09E-02	1.23E-04	--
8382	640836.2	4169748.9	Worker	Scenario 1	6.69E-02	1.35E-04	--
8383	640936.2	4169748.9	Worker	Scenario 1	7.48E-02	1.51E-04	--
8384	641036.2	4169748.9	Worker	Scenario 1	8.67E-02	1.75E-04	--
8385	641136.2	4169748.9	Worker	Scenario 1	1.08E-01	2.19E-04	--
8386	641236.2	4169748.9	Worker	Scenario 1	1.69E-01	3.42E-04	--
8387	641336.2	4169748.9	Worker	Scenario 1	7.17E-01	1.45E-03	--
8388	641436.2	4169748.9	Worker	Scenario 1	2.50E-01	5.05E-04	--
8389	641536.2	4169748.9	Worker	Scenario 1	1.69E-01	3.42E-04	--
8390	641636.2	4169748.9	Worker	Scenario 1	1.37E-01	2.77E-04	--
8391	641736.2	4169748.9	Worker	Scenario 1	1.20E-01	2.43E-04	--
8392	641836.2	4169748.9	Worker	Scenario 1	1.10E-01	2.23E-04	--
8393	641936.2	4169748.9	Worker	Scenario 1	1.04E-01	2.10E-04	--
8394	642036.2	4169748.9	Worker	Scenario 1	9.92E-02	2.00E-04	--
8395	642136.2	4169748.9	Worker	Scenario 1	9.58E-02	1.93E-04	--
8396	642236.2	4169748.9	Worker	Scenario 1	9.33E-02	1.88E-04	--
8397	642336.2	4169748.9	Worker	Scenario 1	9.19E-02	1.86E-04	--
8398	642436.2	4169748.9	Worker	Scenario 1	9.07E-02	1.83E-04	--
8399	642536.2	4169748.9	Worker	Scenario 1	8.97E-02	1.81E-04	--
8400	642636.2	4169748.9	Worker	Scenario 1	8.84E-02	1.79E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8401	642736.2	4169748.9	Worker	Scenario 1	8.65E-02	1.75E-04	--
8402	642836.2	4169748.9	Worker	Scenario 1	8.43E-02	1.70E-04	--
8403	642936.2	4169748.9	Worker	Scenario 1	8.24E-02	1.66E-04	--
8404	643036.2	4169748.9	Worker	Scenario 1	8.09E-02	1.63E-04	--
8405	643136.2	4169748.9	Worker	Scenario 1	7.95E-02	1.61E-04	--
8406	643236.2	4169748.9	Worker	Scenario 1	7.82E-02	1.58E-04	--
8407	643336.2	4169748.9	Worker	Scenario 1	7.67E-02	1.55E-04	--
8408	643436.2	4169748.9	Worker	Scenario 1	7.53E-02	1.52E-04	--
8409	643536.2	4169748.9	Worker	Scenario 1	7.37E-02	1.49E-04	--
8410	643636.2	4169748.9	Worker	Scenario 1	7.19E-02	1.45E-04	--
8411	643736.2	4169748.9	Worker	Scenario 1	6.98E-02	1.41E-04	--
8412	643836.2	4169748.9	Worker	Scenario 1	6.76E-02	1.36E-04	--
8413	643936.2	4169748.9	Worker	Scenario 1	6.55E-02	1.32E-04	--
8414	644036.2	4169748.9	Worker	Scenario 1	6.40E-02	1.29E-04	--
8415	644136.2	4169748.9	Worker	Scenario 1	6.31E-02	1.28E-04	--
8416	644236.2	4169748.9	Worker	Scenario 1	6.27E-02	1.27E-04	--
8417	644336.2	4169748.9	Worker	Scenario 1	6.24E-02	1.26E-04	--
8418	644436.2	4169748.9	Worker	Scenario 1	6.20E-02	1.25E-04	--
8419	644636.2	4169748.9	Worker	Scenario 1	6.03E-02	1.22E-04	--
8420	644736.2	4169748.9	Worker	Scenario 1	5.90E-02	1.19E-04	--
8421	644836.2	4169748.9	Worker	Scenario 1	5.77E-02	1.16E-04	--
8422	644936.2	4169748.9	Worker	Scenario 1	5.64E-02	1.14E-04	--
8423	635636.2	4169848.9	Worker	Scenario 1	7.16E-03	1.45E-05	--
8424	635736.2	4169848.9	Worker	Scenario 1	7.34E-03	1.48E-05	--
8425	635836.2	4169848.9	Worker	Scenario 1	7.55E-03	1.53E-05	--
8426	635936.2	4169848.9	Worker	Scenario 1	7.79E-03	1.57E-05	--
8427	636036.2	4169848.9	Worker	Scenario 1	7.84E-03	1.58E-05	--
8428	636136.2	4169848.9	Worker	Scenario 1	7.99E-03	1.61E-05	--
8429	636236.2	4169848.9	Worker	Scenario 1	8.16E-03	1.65E-05	--
8430	636336.2	4169848.9	Worker	Scenario 1	8.24E-03	1.66E-05	--
8431	636436.2	4169848.9	Worker	Scenario 1	8.06E-03	1.63E-05	--
8432	636536.2	4169848.9	Worker	Scenario 1	8.36E-03	1.69E-05	--
8433	636636.2	4169848.9	Worker	Scenario 1	8.54E-03	1.73E-05	--
8434	636736.2	4169848.9	Worker	Scenario 1	8.84E-03	1.79E-05	--
8435	636836.2	4169848.9	Worker	Scenario 1	9.17E-03	1.85E-05	--
8436	636936.2	4169848.9	Worker	Scenario 1	9.52E-03	1.92E-05	--
8437	637136.2	4169848.9	Worker	Scenario 1	1.03E-02	2.08E-05	--
8438	637236.2	4169848.9	Worker	Scenario 1	1.07E-02	2.16E-05	--
8439	637336.2	4169848.9	Worker	Scenario 1	1.25E-02	2.53E-05	--
8440	637436.2	4169848.9	Worker	Scenario 1	1.26E-02	2.55E-05	--
8441	637536.2	4169848.9	Worker	Scenario 1	1.26E-02	2.54E-05	--
8442	637836.2	4169848.9	Worker	Scenario 1	1.38E-02	2.78E-05	--
8443	639236.2	4169848.9	Worker	Scenario 1	2.61E-02	5.28E-05	--
8444	639336.2	4169848.9	Worker	Scenario 1	2.72E-02	5.50E-05	--
8445	639436.2	4169848.9	Worker	Scenario 1	2.84E-02	5.74E-05	--
8446	639536.2	4169848.9	Worker	Scenario 1	2.97E-02	6.00E-05	--
8447	639636.2	4169848.9	Worker	Scenario 1	3.11E-02	6.29E-05	--
8448	639736.2	4169848.9	Worker	Scenario 1	3.28E-02	6.62E-05	--
8449	639836.2	4169848.9	Worker	Scenario 1	3.42E-02	6.91E-05	--
8450	639936.2	4169848.9	Worker	Scenario 1	3.60E-02	7.26E-05	--
8451	640036.2	4169848.9	Worker	Scenario 1	3.79E-02	7.65E-05	--
8452	640136.2	4169848.9	Worker	Scenario 1	4.00E-02	8.07E-05	--
8453	640236.2	4169848.9	Worker	Scenario 1	4.23E-02	8.55E-05	--
8454	640336.2	4169848.9	Worker	Scenario 1	4.49E-02	9.07E-05	--
8455	640436.2	4169848.9	Worker	Scenario 1	4.78E-02	9.66E-05	--
8456	640536.2	4169848.9	Worker	Scenario 1	5.11E-02	1.03E-04	--
8457	640636.2	4169848.9	Worker	Scenario 1	5.50E-02	1.11E-04	--
8458	640736.2	4169848.9	Worker	Scenario 1	5.95E-02	1.20E-04	--
8459	640836.2	4169848.9	Worker	Scenario 1	6.51E-02	1.32E-04	--
8460	640936.2	4169848.9	Worker	Scenario 1	7.27E-02	1.47E-04	--
8461	641036.2	4169848.9	Worker	Scenario 1	8.41E-02	1.70E-04	--
8462	641136.2	4169848.9	Worker	Scenario 1	1.05E-01	2.13E-04	--
8463	641236.2	4169848.9	Worker	Scenario 1	1.67E-01	3.38E-04	--
8464	641336.2	4169848.9	Worker	Scenario 1	6.79E-01	1.37E-03	--
8465	641436.2	4169848.9	Worker	Scenario 1	2.40E-01	4.84E-04	--
8466	641536.2	4169848.9	Worker	Scenario 1	1.61E-01	3.25E-04	--
8467	641636.2	4169848.9	Worker	Scenario 1	1.29E-01	2.61E-04	--
8468	641736.2	4169848.9	Worker	Scenario 1	1.13E-01	2.29E-04	--
8469	641836.2	4169848.9	Worker	Scenario 1	1.04E-01	2.10E-04	--
8470	641936.2	4169848.9	Worker	Scenario 1	9.75E-02	1.97E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8471	642036.2	4169848.9	Worker	Scenario 1	9.31E-02	1.88E-04	--
8472	642136.2	4169848.9	Worker	Scenario 1	9.00E-02	1.82E-04	--
8473	642236.2	4169848.9	Worker	Scenario 1	8.78E-02	1.77E-04	--
8474	642336.2	4169848.9	Worker	Scenario 1	8.64E-02	1.75E-04	--
8475	642436.2	4169848.9	Worker	Scenario 1	8.56E-02	1.73E-04	--
8476	642536.2	4169848.9	Worker	Scenario 1	8.44E-02	1.70E-04	--
8477	642636.2	4169848.9	Worker	Scenario 1	8.29E-02	1.67E-04	--
8478	642736.2	4169848.9	Worker	Scenario 1	8.12E-02	1.64E-04	--
8479	642836.2	4169848.9	Worker	Scenario 1	7.93E-02	1.60E-04	--
8480	642936.2	4169848.9	Worker	Scenario 1	7.76E-02	1.57E-04	--
8481	643036.2	4169848.9	Worker	Scenario 1	7.63E-02	1.54E-04	--
8482	643136.2	4169848.9	Worker	Scenario 1	7.50E-02	1.52E-04	--
8483	643236.2	4169848.9	Worker	Scenario 1	7.38E-02	1.49E-04	--
8484	643336.2	4169848.9	Worker	Scenario 1	7.25E-02	1.46E-04	--
8485	643436.2	4169848.9	Worker	Scenario 1	7.12E-02	1.44E-04	--
8486	643536.2	4169848.9	Worker	Scenario 1	6.99E-02	1.41E-04	--
8487	643636.2	4169848.9	Worker	Scenario 1	6.83E-02	1.38E-04	--
8488	643736.2	4169848.9	Worker	Scenario 1	6.65E-02	1.34E-04	--
8489	643836.2	4169848.9	Worker	Scenario 1	6.45E-02	1.30E-04	--
8490	643936.2	4169848.9	Worker	Scenario 1	6.25E-02	1.26E-04	--
8491	644036.2	4169848.9	Worker	Scenario 1	6.10E-02	1.23E-04	--
8492	644136.2	4169848.9	Worker	Scenario 1	5.99E-02	1.21E-04	--
8493	644236.2	4169848.9	Worker	Scenario 1	5.94E-02	1.20E-04	--
8494	644336.2	4169848.9	Worker	Scenario 1	5.91E-02	1.19E-04	--
8495	644436.2	4169848.9	Worker	Scenario 1	5.89E-02	1.19E-04	--
8496	635636.2	4169948.9	Worker	Scenario 1	7.31E-03	1.48E-05	--
8497	635736.2	4169948.9	Worker	Scenario 1	7.52E-03	1.52E-05	--
8498	635836.2	4169948.9	Worker	Scenario 1	7.59E-03	1.53E-05	--
8499	635936.2	4169948.9	Worker	Scenario 1	7.87E-03	1.59E-05	--
8500	636036.2	4169948.9	Worker	Scenario 1	8.05E-03	1.63E-05	--
8501	636136.2	4169948.9	Worker	Scenario 1	8.17E-03	1.65E-05	--
8502	636236.2	4169948.9	Worker	Scenario 1	8.33E-03	1.68E-05	--
8503	636336.2	4169948.9	Worker	Scenario 1	8.50E-03	1.72E-05	--
8504	636436.2	4169948.9	Worker	Scenario 1	8.61E-03	1.74E-05	--
8505	636536.2	4169948.9	Worker	Scenario 1	8.49E-03	1.72E-05	--
8506	636636.2	4169948.9	Worker	Scenario 1	8.76E-03	1.77E-05	--
8507	636736.2	4169948.9	Worker	Scenario 1	9.01E-03	1.82E-05	--
8508	637036.2	4169948.9	Worker	Scenario 1	1.01E-02	2.03E-05	--
8509	637136.2	4169948.9	Worker	Scenario 1	1.04E-02	2.11E-05	--
8510	637236.2	4169948.9	Worker	Scenario 1	1.09E-02	2.20E-05	--
8511	637336.2	4169948.9	Worker	Scenario 1	1.25E-02	2.52E-05	--
8512	637436.2	4169948.9	Worker	Scenario 1	1.26E-02	2.54E-05	--
8513	637536.2	4169948.9	Worker	Scenario 1	1.24E-02	2.50E-05	--
8514	637736.2	4169948.9	Worker	Scenario 1	1.35E-02	2.74E-05	--
8515	637836.2	4169948.9	Worker	Scenario 1	1.41E-02	2.85E-05	--
8516	639136.2	4169948.9	Worker	Scenario 1	2.51E-02	5.07E-05	--
8517	639236.2	4169948.9	Worker	Scenario 1	2.61E-02	5.27E-05	--
8518	639336.2	4169948.9	Worker	Scenario 1	2.72E-02	5.49E-05	--
8519	639436.2	4169948.9	Worker	Scenario 1	2.83E-02	5.72E-05	--
8520	639536.2	4169948.9	Worker	Scenario 1	2.96E-02	5.98E-05	--
8521	639736.2	4169948.9	Worker	Scenario 1	3.24E-02	6.55E-05	--
8522	639836.2	4169948.9	Worker	Scenario 1	3.40E-02	6.86E-05	--
8523	639936.2	4169948.9	Worker	Scenario 1	3.57E-02	7.21E-05	--
8524	640036.2	4169948.9	Worker	Scenario 1	3.75E-02	7.58E-05	--
8525	640136.2	4169948.9	Worker	Scenario 1	3.96E-02	8.00E-05	--
8526	640236.2	4169948.9	Worker	Scenario 1	4.18E-02	8.45E-05	--
8527	640336.2	4169948.9	Worker	Scenario 1	4.43E-02	8.94E-05	--
8528	640436.2	4169948.9	Worker	Scenario 1	4.70E-02	9.50E-05	--
8529	640536.2	4169948.9	Worker	Scenario 1	5.01E-02	1.01E-04	--
8530	640636.2	4169948.9	Worker	Scenario 1	5.37E-02	1.08E-04	--
8531	640736.2	4169948.9	Worker	Scenario 1	5.79E-02	1.17E-04	--
8532	640836.2	4169948.9	Worker	Scenario 1	6.31E-02	1.28E-04	--
8533	640936.2	4169948.9	Worker	Scenario 1	7.02E-02	1.42E-04	--
8534	641036.2	4169948.9	Worker	Scenario 1	8.08E-02	1.63E-04	--
8535	641136.2	4169948.9	Worker	Scenario 1	1.01E-01	2.04E-04	--
8536	641236.2	4169948.9	Worker	Scenario 1	1.63E-01	3.29E-04	--
8537	641336.2	4169948.9	Worker	Scenario 1	6.41E-01	1.29E-03	--
8538	641436.2	4169948.9	Worker	Scenario 1	2.23E-01	4.51E-04	--
8539	641536.2	4169948.9	Worker	Scenario 1	1.48E-01	3.00E-04	--
8540	641636.2	4169948.9	Worker	Scenario 1	1.20E-01	2.41E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8541	641736.2	4169948.9	Worker	Scenario 1	1.05E-01	2.12E-04	--
8542	641836.2	4169948.9	Worker	Scenario 1	9.61E-02	1.94E-04	--
8543	641936.2	4169948.9	Worker	Scenario 1	9.05E-02	1.83E-04	--
8544	642036.2	4169948.9	Worker	Scenario 1	8.69E-02	1.75E-04	--
8545	642136.2	4169948.9	Worker	Scenario 1	8.40E-02	1.70E-04	--
8546	642236.2	4169948.9	Worker	Scenario 1	8.23E-02	1.66E-04	--
8547	643236.2	4169948.9	Worker	Scenario 1	6.98E-02	1.41E-04	--
8548	643336.2	4169948.9	Worker	Scenario 1	6.86E-02	1.39E-04	--
8549	643436.2	4169948.9	Worker	Scenario 1	6.75E-02	1.36E-04	--
8550	643536.2	4169948.9	Worker	Scenario 1	6.63E-02	1.34E-04	--
8551	643636.2	4169948.9	Worker	Scenario 1	6.50E-02	1.31E-04	--
8552	643736.2	4169948.9	Worker	Scenario 1	6.34E-02	1.28E-04	--
8553	643836.2	4169948.9	Worker	Scenario 1	6.16E-02	1.24E-04	--
8554	643936.2	4169948.9	Worker	Scenario 1	5.97E-02	1.21E-04	--
8555	644036.2	4169948.9	Worker	Scenario 1	5.82E-02	1.17E-04	--
8556	644236.2	4169948.9	Worker	Scenario 1	5.64E-02	1.14E-04	--
8557	635636.2	4170048.9	Worker	Scenario 1	7.40E-03	1.49E-05	--
8558	635736.2	4170048.9	Worker	Scenario 1	7.13E-03	1.44E-05	--
8559	635836.2	4170048.9	Worker	Scenario 1	7.38E-03	1.49E-05	--
8560	635936.2	4170048.9	Worker	Scenario 1	7.83E-03	1.58E-05	--
8561	636036.2	4170048.9	Worker	Scenario 1	8.15E-03	1.65E-05	--
8562	636136.2	4170048.9	Worker	Scenario 1	8.37E-03	1.69E-05	--
8563	636236.2	4170048.9	Worker	Scenario 1	8.51E-03	1.72E-05	--
8564	636336.2	4170048.9	Worker	Scenario 1	8.71E-03	1.76E-05	--
8565	636436.2	4170048.9	Worker	Scenario 1	8.98E-03	1.81E-05	--
8566	636536.2	4170048.9	Worker	Scenario 1	9.10E-03	1.84E-05	--
8567	636636.2	4170048.9	Worker	Scenario 1	9.00E-03	1.82E-05	--
8568	636936.2	4170048.9	Worker	Scenario 1	1.06E-02	2.14E-05	--
8569	637036.2	4170048.9	Worker	Scenario 1	1.10E-02	2.21E-05	--
8570	637136.2	4170048.9	Worker	Scenario 1	1.13E-02	2.29E-05	--
8571	637236.2	4170048.9	Worker	Scenario 1	1.17E-02	2.37E-05	--
8572	637336.2	4170048.9	Worker	Scenario 1	1.21E-02	2.44E-05	--
8573	637436.2	4170048.9	Worker	Scenario 1	1.23E-02	2.49E-05	--
8574	637636.2	4170048.9	Worker	Scenario 1	1.37E-02	2.77E-05	--
8575	637736.2	4170048.9	Worker	Scenario 1	1.45E-02	2.93E-05	--
8576	637836.2	4170048.9	Worker	Scenario 1	1.49E-02	3.00E-05	--
8577	639036.2	4170048.9	Worker	Scenario 1	2.41E-02	4.88E-05	--
8578	639136.2	4170048.9	Worker	Scenario 1	2.51E-02	5.07E-05	--
8579	639236.2	4170048.9	Worker	Scenario 1	2.61E-02	5.26E-05	--
8580	639336.2	4170048.9	Worker	Scenario 1	2.71E-02	5.48E-05	--
8581	639436.2	4170048.9	Worker	Scenario 1	2.82E-02	5.70E-05	--
8582	639536.2	4170048.9	Worker	Scenario 1	2.95E-02	5.95E-05	--
8583	639636.2	4170048.9	Worker	Scenario 1	3.08E-02	6.22E-05	--
8584	639736.2	4170048.9	Worker	Scenario 1	3.22E-02	6.50E-05	--
8585	639836.2	4170048.9	Worker	Scenario 1	3.37E-02	6.81E-05	--
8586	639936.2	4170048.9	Worker	Scenario 1	3.54E-02	7.15E-05	--
8587	640036.2	4170048.9	Worker	Scenario 1	3.72E-02	7.51E-05	--
8588	640136.2	4170048.9	Worker	Scenario 1	3.91E-02	7.90E-05	--
8589	640236.2	4170048.9	Worker	Scenario 1	4.12E-02	8.33E-05	--
8590	640336.2	4170048.9	Worker	Scenario 1	4.36E-02	8.80E-05	--
8591	640436.2	4170048.9	Worker	Scenario 1	4.61E-02	9.32E-05	--
8592	640536.2	4170048.9	Worker	Scenario 1	4.90E-02	9.90E-05	--
8593	640636.2	4170048.9	Worker	Scenario 1	5.23E-02	1.06E-04	--
8594	640736.2	4170048.9	Worker	Scenario 1	5.62E-02	1.13E-04	--
8595	640836.2	4170048.9	Worker	Scenario 1	6.10E-02	1.23E-04	--
8596	640936.2	4170048.9	Worker	Scenario 1	6.73E-02	1.36E-04	--
8597	641036.2	4170048.9	Worker	Scenario 1	7.67E-02	1.55E-04	--
8598	641136.2	4170048.9	Worker	Scenario 1	9.41E-02	1.90E-04	--
8599	641236.2	4170048.9	Worker	Scenario 1	1.49E-01	3.01E-04	--
8600	641336.2	4170048.9	Worker	Scenario 1	5.71E-01	1.15E-03	--
8601	641436.2	4170048.9	Worker	Scenario 1	1.86E-01	3.76E-04	--
8602	641536.2	4170048.9	Worker	Scenario 1	1.26E-01	2.55E-04	--
8603	641636.2	4170048.9	Worker	Scenario 1	1.04E-01	2.11E-04	--
8604	641736.2	4170048.9	Worker	Scenario 1	9.35E-02	1.89E-04	--
8605	641836.2	4170048.9	Worker	Scenario 1	8.69E-02	1.76E-04	--
8606	641936.2	4170048.9	Worker	Scenario 1	8.27E-02	1.67E-04	--
8607	642036.2	4170048.9	Worker	Scenario 1	7.98E-02	1.61E-04	--
8608	642136.2	4170048.9	Worker	Scenario 1	7.79E-02	1.57E-04	--
8609	635736.2	4170148.9	Worker	Scenario 1	7.25E-03	1.47E-05	--
8610	635836.2	4170148.9	Worker	Scenario 1	7.03E-03	1.42E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8611	635936.2	4170148.9	Worker	Scenario 1	7.51E-03	1.52E-05	--
8612	636036.2	4170148.9	Worker	Scenario 1	8.09E-03	1.63E-05	--
8613	636136.2	4170148.9	Worker	Scenario 1	8.49E-03	1.72E-05	--
8614	636236.2	4170148.9	Worker	Scenario 1	8.63E-03	1.74E-05	--
8615	636336.2	4170148.9	Worker	Scenario 1	8.92E-03	1.80E-05	--
8616	636436.2	4170148.9	Worker	Scenario 1	9.18E-03	1.85E-05	--
8617	636536.2	4170148.9	Worker	Scenario 1	9.43E-03	1.90E-05	--
8618	636736.2	4170148.9	Worker	Scenario 1	9.58E-03	1.93E-05	--
8619	636836.2	4170148.9	Worker	Scenario 1	1.07E-02	2.16E-05	--
8620	636936.2	4170148.9	Worker	Scenario 1	1.11E-02	2.24E-05	--
8621	637036.2	4170148.9	Worker	Scenario 1	1.14E-02	2.31E-05	--
8622	637136.2	4170148.9	Worker	Scenario 1	1.19E-02	2.40E-05	--
8623	637236.2	4170148.9	Worker	Scenario 1	1.23E-02	2.49E-05	--
8624	637336.2	4170148.9	Worker	Scenario 1	1.23E-02	2.49E-05	--
8625	637636.2	4170148.9	Worker	Scenario 1	1.46E-02	2.94E-05	--
8626	637736.2	4170148.9	Worker	Scenario 1	1.50E-02	3.02E-05	--
8627	637836.2	4170148.9	Worker	Scenario 1	1.53E-02	3.08E-05	--
8628	639036.2	4170148.9	Worker	Scenario 1	2.41E-02	4.87E-05	--
8629	639136.2	4170148.9	Worker	Scenario 1	2.50E-02	5.05E-05	--
8630	639236.2	4170148.9	Worker	Scenario 1	2.60E-02	5.25E-05	--
8631	639336.2	4170148.9	Worker	Scenario 1	2.70E-02	5.46E-05	--
8632	639436.2	4170148.9	Worker	Scenario 1	2.81E-02	5.68E-05	--
8633	639536.2	4170148.9	Worker	Scenario 1	2.93E-02	5.91E-05	--
8634	639636.2	4170148.9	Worker	Scenario 1	3.05E-02	6.17E-05	--
8635	639736.2	4170148.9	Worker	Scenario 1	3.19E-02	6.45E-05	--
8636	639836.2	4170148.9	Worker	Scenario 1	3.34E-02	6.75E-05	--
8637	639936.2	4170148.9	Worker	Scenario 1	3.50E-02	7.08E-05	--
8638	640036.2	4170148.9	Worker	Scenario 1	3.68E-02	7.43E-05	--
8639	640136.2	4170148.9	Worker	Scenario 1	3.86E-02	7.80E-05	--
8640	640236.2	4170148.9	Worker	Scenario 1	4.06E-02	8.21E-05	--
8641	640336.2	4170148.9	Worker	Scenario 1	4.28E-02	8.65E-05	--
8642	640436.2	4170148.9	Worker	Scenario 1	4.52E-02	9.13E-05	--
8643	640536.2	4170148.9	Worker	Scenario 1	4.78E-02	9.66E-05	--
8644	640636.2	4170148.9	Worker	Scenario 1	5.08E-02	1.03E-04	--
8645	640736.2	4170148.9	Worker	Scenario 1	5.43E-02	1.10E-04	--
8646	640836.2	4170148.9	Worker	Scenario 1	5.85E-02	1.18E-04	--
8647	640936.2	4170148.9	Worker	Scenario 1	6.40E-02	1.29E-04	--
8648	641036.2	4170148.9	Worker	Scenario 1	7.17E-02	1.45E-04	--
8649	641136.2	4170148.9	Worker	Scenario 1	8.47E-02	1.71E-04	--
8650	641236.2	4170148.9	Worker	Scenario 1	1.13E-01	2.29E-04	--
8651	641336.2	4170148.9	Worker	Scenario 1	1.32E-01	2.67E-04	--
8652	641436.2	4170148.9	Worker	Scenario 1	1.08E-01	2.18E-04	--
8653	641536.2	4170148.9	Worker	Scenario 1	9.44E-02	1.91E-04	--
8654	641636.2	4170148.9	Worker	Scenario 1	8.62E-02	1.74E-04	--
8655	641736.2	4170148.9	Worker	Scenario 1	8.10E-02	1.64E-04	--
8656	641836.2	4170148.9	Worker	Scenario 1	7.74E-02	1.56E-04	--
8657	641936.2	4170148.9	Worker	Scenario 1	7.48E-02	1.51E-04	--
8658	642036.2	4170148.9	Worker	Scenario 1	7.29E-02	1.47E-04	--
8659	642436.2	4170148.9	Worker	Scenario 1	7.04E-02	1.42E-04	--
8660	642536.2	4170148.9	Worker	Scenario 1	6.97E-02	1.41E-04	--
8661	642636.2	4170148.9	Worker	Scenario 1	6.85E-02	1.38E-04	--
8662	642736.2	4170148.9	Worker	Scenario 1	6.72E-02	1.36E-04	--
8663	642836.2	4170148.9	Worker	Scenario 1	6.58E-02	1.33E-04	--
8664	642936.2	4170148.9	Worker	Scenario 1	6.49E-02	1.31E-04	--
8665	643036.2	4170148.9	Worker	Scenario 1	6.40E-02	1.29E-04	--
8666	643136.2	4170148.9	Worker	Scenario 1	6.32E-02	1.28E-04	--
8667	643236.2	4170148.9	Worker	Scenario 1	6.24E-02	1.26E-04	--
8668	643336.2	4170148.9	Worker	Scenario 1	6.15E-02	1.24E-04	--
8669	635836.2	4170248.9	Worker	Scenario 1	7.21E-03	1.46E-05	--
8670	635936.2	4170248.9	Worker	Scenario 1	7.18E-03	1.45E-05	--
8671	636036.2	4170248.9	Worker	Scenario 1	7.66E-03	1.55E-05	--
8672	636136.2	4170248.9	Worker	Scenario 1	8.25E-03	1.67E-05	--
8673	636236.2	4170248.9	Worker	Scenario 1	9.13E-03	1.84E-05	--
8674	636336.2	4170248.9	Worker	Scenario 1	9.09E-03	1.84E-05	--
8675	636636.2	4170248.9	Worker	Scenario 1	9.56E-03	1.93E-05	--
8676	636736.2	4170248.9	Worker	Scenario 1	1.03E-02	2.07E-05	--
8677	636836.2	4170248.9	Worker	Scenario 1	1.09E-02	2.20E-05	--
8678	636936.2	4170248.9	Worker	Scenario 1	1.15E-02	2.33E-05	--
8679	637036.2	4170248.9	Worker	Scenario 1	1.18E-02	2.39E-05	--
8680	637136.2	4170248.9	Worker	Scenario 1	1.22E-02	2.47E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8681	637236.2	4170248.9	Worker	Scenario 1	1.22E-02	2.47E-05	--
8682	637536.2	4170248.9	Worker	Scenario 1	1.42E-02	2.87E-05	--
8683	637636.2	4170248.9	Worker	Scenario 1	1.48E-02	3.00E-05	--
8684	637736.2	4170248.9	Worker	Scenario 1	1.50E-02	3.02E-05	--
8685	637836.2	4170248.9	Worker	Scenario 1	1.51E-02	3.04E-05	--
8686	637936.2	4170248.9	Worker	Scenario 1	1.58E-02	3.20E-05	--
8687	638036.2	4170248.9	Worker	Scenario 1	1.61E-02	3.24E-05	--
8688	638936.2	4170248.9	Worker	Scenario 1	2.32E-02	4.69E-05	--
8689	639036.2	4170248.9	Worker	Scenario 1	2.40E-02	4.86E-05	--
8690	639136.2	4170248.9	Worker	Scenario 1	2.49E-02	5.04E-05	--
8691	639236.2	4170248.9	Worker	Scenario 1	2.59E-02	5.23E-05	--
8692	639336.2	4170248.9	Worker	Scenario 1	2.69E-02	5.43E-05	--
8693	639436.2	4170248.9	Worker	Scenario 1	2.75E-02	5.55E-05	--
8694	639536.2	4170248.9	Worker	Scenario 1	2.91E-02	5.88E-05	--
8695	639636.2	4170248.9	Worker	Scenario 1	3.04E-02	6.13E-05	--
8696	639736.2	4170248.9	Worker	Scenario 1	3.17E-02	6.40E-05	--
8697	639836.2	4170248.9	Worker	Scenario 1	3.31E-02	6.70E-05	--
8698	639936.2	4170248.9	Worker	Scenario 1	3.47E-02	7.01E-05	--
8699	640036.2	4170248.9	Worker	Scenario 1	3.63E-02	7.34E-05	--
8700	640136.2	4170248.9	Worker	Scenario 1	3.81E-02	7.69E-05	--
8701	640236.2	4170248.9	Worker	Scenario 1	4.00E-02	8.08E-05	--
8702	640336.2	4170248.9	Worker	Scenario 1	4.20E-02	8.49E-05	--
8703	640436.2	4170248.9	Worker	Scenario 1	4.42E-02	8.94E-05	--
8704	640536.2	4170248.9	Worker	Scenario 1	4.67E-02	9.42E-05	--
8705	640636.2	4170248.9	Worker	Scenario 1	4.94E-02	9.97E-05	--
8706	640736.2	4170248.9	Worker	Scenario 1	5.25E-02	1.06E-04	--
8707	640836.2	4170248.9	Worker	Scenario 1	5.62E-02	1.13E-04	--
8708	640936.2	4170248.9	Worker	Scenario 1	6.07E-02	1.23E-04	--
8709	641036.2	4170248.9	Worker	Scenario 1	6.65E-02	1.34E-04	--
8710	641136.2	4170248.9	Worker	Scenario 1	7.41E-02	1.50E-04	--
8711	641236.2	4170248.9	Worker	Scenario 1	8.18E-02	1.65E-04	--
8712	641336.2	4170248.9	Worker	Scenario 1	8.30E-02	1.68E-04	--
8713	641436.2	4170248.9	Worker	Scenario 1	7.93E-02	1.60E-04	--
8714	641536.2	4170248.9	Worker	Scenario 1	7.58E-02	1.53E-04	--
8715	641636.2	4170248.9	Worker	Scenario 1	7.30E-02	1.48E-04	--
8716	641736.2	4170248.9	Worker	Scenario 1	7.09E-02	1.43E-04	--
8717	641836.2	4170248.9	Worker	Scenario 1	6.92E-02	1.40E-04	--
8718	641936.2	4170248.9	Worker	Scenario 1	6.79E-02	1.37E-04	--
8719	642036.2	4170248.9	Worker	Scenario 1	6.69E-02	1.35E-04	--
8720	642136.2	4170248.9	Worker	Scenario 1	6.64E-02	1.34E-04	--
8721	642236.2	4170248.9	Worker	Scenario 1	6.63E-02	1.34E-04	--
8722	642336.2	4170248.9	Worker	Scenario 1	6.63E-02	1.34E-04	--
8723	642436.2	4170248.9	Worker	Scenario 1	6.60E-02	1.33E-04	--
8724	642536.2	4170248.9	Worker	Scenario 1	6.54E-02	1.32E-04	--
8725	642636.2	4170248.9	Worker	Scenario 1	6.44E-02	1.30E-04	--
8726	642736.2	4170248.9	Worker	Scenario 1	6.32E-02	1.28E-04	--
8727	642836.2	4170248.9	Worker	Scenario 1	6.20E-02	1.25E-04	--
8728	642936.2	4170248.9	Worker	Scenario 1	6.12E-02	1.24E-04	--
8729	643036.2	4170248.9	Worker	Scenario 1	6.05E-02	1.22E-04	--
8730	643136.2	4170248.9	Worker	Scenario 1	5.99E-02	1.21E-04	--
8731	643236.2	4170248.9	Worker	Scenario 1	5.91E-02	1.19E-04	--
8732	643336.2	4170248.9	Worker	Scenario 1	5.83E-02	1.18E-04	--
8733	635636.2	4170348.9	Worker	Scenario 1	7.13E-03	1.44E-05	--
8734	635936.2	4170348.9	Worker	Scenario 1	7.52E-03	1.52E-05	--
8735	636036.2	4170348.9	Worker	Scenario 1	7.42E-03	1.50E-05	--
8736	636136.2	4170348.9	Worker	Scenario 1	8.06E-03	1.63E-05	--
8737	636236.2	4170348.9	Worker	Scenario 1	8.83E-03	1.78E-05	--
8738	636536.2	4170348.9	Worker	Scenario 1	9.65E-03	1.95E-05	--
8739	636636.2	4170348.9	Worker	Scenario 1	9.96E-03	2.01E-05	--
8740	636736.2	4170348.9	Worker	Scenario 1	1.04E-02	2.10E-05	--
8741	636836.2	4170348.9	Worker	Scenario 1	1.08E-02	2.19E-05	--
8742	636936.2	4170348.9	Worker	Scenario 1	1.15E-02	2.32E-05	--
8743	637036.2	4170348.9	Worker	Scenario 1	1.20E-02	2.43E-05	--
8744	637136.2	4170348.9	Worker	Scenario 1	1.22E-02	2.46E-05	--
8745	637236.2	4170348.9	Worker	Scenario 1	1.22E-02	2.46E-05	--
8746	637436.2	4170348.9	Worker	Scenario 1	1.27E-02	2.57E-05	--
8747	637536.2	4170348.9	Worker	Scenario 1	1.43E-02	2.89E-05	--
8748	637636.2	4170348.9	Worker	Scenario 1	1.46E-02	2.95E-05	--
8749	637736.2	4170348.9	Worker	Scenario 1	1.49E-02	3.02E-05	--
8750	637836.2	4170348.9	Worker	Scenario 1	1.55E-02	3.13E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8751	637936.2	4170348.9	Worker	Scenario 1	1.59E-02	3.22E-05	--
8752	638036.2	4170348.9	Worker	Scenario 1	1.63E-02	3.30E-05	--
8753	638136.2	4170348.9	Worker	Scenario 1	1.76E-02	3.55E-05	--
8754	638236.2	4170348.9	Worker	Scenario 1	1.77E-02	3.58E-05	--
8755	638336.2	4170348.9	Worker	Scenario 1	1.86E-02	3.76E-05	--
8756	638436.2	4170348.9	Worker	Scenario 1	1.92E-02	3.89E-05	--
8757	638736.2	4170348.9	Worker	Scenario 1	2.16E-02	4.37E-05	--
8758	638836.2	4170348.9	Worker	Scenario 1	2.24E-02	4.52E-05	--
8759	638936.2	4170348.9	Worker	Scenario 1	2.32E-02	4.68E-05	--
8760	639036.2	4170348.9	Worker	Scenario 1	2.39E-02	4.84E-05	--
8761	639136.2	4170348.9	Worker	Scenario 1	2.48E-02	5.01E-05	--
8762	639236.2	4170348.9	Worker	Scenario 1	2.53E-02	5.11E-05	--
8763	639336.2	4170348.9	Worker	Scenario 1	2.62E-02	5.29E-05	--
8764	639436.2	4170348.9	Worker	Scenario 1	2.72E-02	5.49E-05	--
8765	639536.2	4170348.9	Worker	Scenario 1	2.89E-02	5.85E-05	--
8766	639636.2	4170348.9	Worker	Scenario 1	3.02E-02	6.09E-05	--
8767	639736.2	4170348.9	Worker	Scenario 1	3.15E-02	6.35E-05	--
8768	639836.2	4170348.9	Worker	Scenario 1	3.29E-02	6.64E-05	--
8769	639936.2	4170348.9	Worker	Scenario 1	3.43E-02	6.93E-05	--
8770	640036.2	4170348.9	Worker	Scenario 1	3.59E-02	7.24E-05	--
8771	640136.2	4170348.9	Worker	Scenario 1	3.75E-02	7.58E-05	--
8772	640236.2	4170348.9	Worker	Scenario 1	3.93E-02	7.93E-05	--
8773	640336.2	4170348.9	Worker	Scenario 1	4.12E-02	8.32E-05	--
8774	640436.2	4170348.9	Worker	Scenario 1	4.32E-02	8.73E-05	--
8775	640536.2	4170348.9	Worker	Scenario 1	4.54E-02	9.17E-05	--
8776	640636.2	4170348.9	Worker	Scenario 1	4.79E-02	9.67E-05	--
8777	640736.2	4170348.9	Worker	Scenario 1	5.06E-02	1.02E-04	--
8778	640836.2	4170348.9	Worker	Scenario 1	5.37E-02	1.08E-04	--
8779	640936.2	4170348.9	Worker	Scenario 1	5.72E-02	1.16E-04	--
8780	641036.2	4170348.9	Worker	Scenario 1	6.11E-02	1.23E-04	--
8781	641136.2	4170348.9	Worker	Scenario 1	6.50E-02	1.31E-04	--
8782	641236.2	4170348.9	Worker	Scenario 1	6.78E-02	1.37E-04	--
8783	641336.2	4170348.9	Worker	Scenario 1	6.85E-02	1.38E-04	--
8784	641436.2	4170348.9	Worker	Scenario 1	6.76E-02	1.37E-04	--
8785	641536.2	4170348.9	Worker	Scenario 1	6.65E-02	1.34E-04	--
8786	641636.2	4170348.9	Worker	Scenario 1	6.52E-02	1.32E-04	--
8787	641736.2	4170348.9	Worker	Scenario 1	6.41E-02	1.30E-04	--
8788	641836.2	4170348.9	Worker	Scenario 1	6.32E-02	1.28E-04	--
8789	641936.2	4170348.9	Worker	Scenario 1	6.26E-02	1.26E-04	--
8790	642036.2	4170348.9	Worker	Scenario 1	6.21E-02	1.25E-04	--
8791	642136.2	4170348.9	Worker	Scenario 1	6.20E-02	1.25E-04	--
8792	642236.2	4170348.9	Worker	Scenario 1	6.22E-02	1.26E-04	--
8793	642336.2	4170348.9	Worker	Scenario 1	6.23E-02	1.26E-04	--
8794	642436.2	4170348.9	Worker	Scenario 1	6.22E-02	1.26E-04	--
8795	642536.2	4170348.9	Worker	Scenario 1	6.16E-02	1.24E-04	--
8796	642636.2	4170348.9	Worker	Scenario 1	6.07E-02	1.23E-04	--
8797	642736.2	4170348.9	Worker	Scenario 1	5.97E-02	1.21E-04	--
8798	642836.2	4170348.9	Worker	Scenario 1	5.86E-02	1.18E-04	--
8799	642936.2	4170348.9	Worker	Scenario 1	5.79E-02	1.17E-04	--
8800	643036.2	4170348.9	Worker	Scenario 1	5.72E-02	1.16E-04	--
8801	643136.2	4170348.9	Worker	Scenario 1	5.67E-02	1.15E-04	--
8802	643236.2	4170348.9	Worker	Scenario 1	5.61E-02	1.13E-04	--
8803	643336.2	4170348.9	Worker	Scenario 1	5.54E-02	1.12E-04	--
8804	643436.2	4170348.9	Worker	Scenario 1	5.48E-02	1.11E-04	--
8805	643536.2	4170348.9	Worker	Scenario 1	5.40E-02	1.09E-04	--
8806	643636.2	4170348.9	Worker	Scenario 1	5.33E-02	1.08E-04	--
8807	635636.2	4170448.9	Worker	Scenario 1	7.23E-03	1.46E-05	--
8808	635836.2	4170448.9	Worker	Scenario 1	7.60E-03	1.54E-05	--
8809	636036.2	4170448.9	Worker	Scenario 1	8.00E-03	1.62E-05	--
8810	636336.2	4170448.9	Worker	Scenario 1	9.11E-03	1.84E-05	--
8811	636436.2	4170448.9	Worker	Scenario 1	9.62E-03	1.94E-05	--
8812	636536.2	4170448.9	Worker	Scenario 1	9.89E-03	2.00E-05	--
8813	636636.2	4170448.9	Worker	Scenario 1	1.01E-02	2.04E-05	--
8814	636736.2	4170448.9	Worker	Scenario 1	1.05E-02	2.11E-05	--
8815	636836.2	4170448.9	Worker	Scenario 1	1.09E-02	2.21E-05	--
8816	636936.2	4170448.9	Worker	Scenario 1	1.14E-02	2.30E-05	--
8817	637036.2	4170448.9	Worker	Scenario 1	1.19E-02	2.40E-05	--
8818	637136.2	4170448.9	Worker	Scenario 1	1.25E-02	2.52E-05	--
8819	637436.2	4170448.9	Worker	Scenario 1	1.40E-02	2.82E-05	--
8820	637536.2	4170448.9	Worker	Scenario 1	1.42E-02	2.88E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8821	637636.2	4170448.9	Worker	Scenario 1	1.45E-02	2.93E-05	--
8822	637736.2	4170448.9	Worker	Scenario 1	1.51E-02	3.05E-05	--
8823	637836.2	4170448.9	Worker	Scenario 1	1.57E-02	3.17E-05	--
8824	637936.2	4170448.9	Worker	Scenario 1	1.61E-02	3.26E-05	--
8825	638036.2	4170448.9	Worker	Scenario 1	1.65E-02	3.33E-05	--
8826	638136.2	4170448.9	Worker	Scenario 1	1.71E-02	3.45E-05	--
8827	638236.2	4170448.9	Worker	Scenario 1	1.72E-02	3.47E-05	--
8828	638336.2	4170448.9	Worker	Scenario 1	1.85E-02	3.74E-05	--
8829	638636.2	4170448.9	Worker	Scenario 1	2.09E-02	4.22E-05	--
8830	638736.2	4170448.9	Worker	Scenario 1	2.10E-02	4.24E-05	--
8831	638836.2	4170448.9	Worker	Scenario 1	2.17E-02	4.37E-05	--
8832	638936.2	4170448.9	Worker	Scenario 1	2.17E-02	4.38E-05	--
8833	639036.2	4170448.9	Worker	Scenario 1	2.25E-02	4.54E-05	--
8834	639136.2	4170448.9	Worker	Scenario 1	2.33E-02	4.71E-05	--
8835	639236.2	4170448.9	Worker	Scenario 1	2.43E-02	4.92E-05	--
8836	639336.2	4170448.9	Worker	Scenario 1	2.50E-02	5.04E-05	--
8837	639436.2	4170448.9	Worker	Scenario 1	2.65E-02	5.35E-05	--
8838	639536.2	4170448.9	Worker	Scenario 1	2.88E-02	5.81E-05	--
8839	639636.2	4170448.9	Worker	Scenario 1	3.00E-02	6.05E-05	--
8840	639736.2	4170448.9	Worker	Scenario 1	3.12E-02	6.30E-05	--
8841	639836.2	4170448.9	Worker	Scenario 1	3.25E-02	6.57E-05	--
8842	639936.2	4170448.9	Worker	Scenario 1	3.39E-02	6.85E-05	--
8843	640036.2	4170448.9	Worker	Scenario 1	3.54E-02	7.14E-05	--
8844	640136.2	4170448.9	Worker	Scenario 1	3.69E-02	7.45E-05	--
8845	640236.2	4170448.9	Worker	Scenario 1	3.85E-02	7.78E-05	--
8846	640336.2	4170448.9	Worker	Scenario 1	4.03E-02	8.13E-05	--
8847	640436.2	4170448.9	Worker	Scenario 1	4.21E-02	8.51E-05	--
8848	640536.2	4170448.9	Worker	Scenario 1	4.41E-02	8.91E-05	--
8849	640636.2	4170448.9	Worker	Scenario 1	4.63E-02	9.35E-05	--
8850	640736.2	4170448.9	Worker	Scenario 1	4.86E-02	9.82E-05	--
8851	640836.2	4170448.9	Worker	Scenario 1	5.11E-02	1.03E-04	--
8852	640936.2	4170448.9	Worker	Scenario 1	5.37E-02	1.09E-04	--
8853	641036.2	4170448.9	Worker	Scenario 1	5.63E-02	1.14E-04	--
8854	641136.2	4170448.9	Worker	Scenario 1	5.85E-02	1.18E-04	--
8855	641236.2	4170448.9	Worker	Scenario 1	5.99E-02	1.21E-04	--
8856	641336.2	4170448.9	Worker	Scenario 1	6.06E-02	1.22E-04	--
8857	641436.2	4170448.9	Worker	Scenario 1	6.07E-02	1.23E-04	--
8858	641536.2	4170448.9	Worker	Scenario 1	6.02E-02	1.22E-04	--
8859	641636.2	4170448.9	Worker	Scenario 1	5.97E-02	1.21E-04	--
8860	641736.2	4170448.9	Worker	Scenario 1	5.91E-02	1.19E-04	--
8861	641836.2	4170448.9	Worker	Scenario 1	5.86E-02	1.18E-04	--
8862	641936.2	4170448.9	Worker	Scenario 1	5.82E-02	1.18E-04	--
8863	642036.2	4170448.9	Worker	Scenario 1	5.82E-02	1.17E-04	--
8864	642136.2	4170448.9	Worker	Scenario 1	5.83E-02	1.18E-04	--
8865	642236.2	4170448.9	Worker	Scenario 1	5.86E-02	1.18E-04	--
8866	642336.2	4170448.9	Worker	Scenario 1	5.88E-02	1.19E-04	--
8867	642436.2	4170448.9	Worker	Scenario 1	5.87E-02	1.19E-04	--
8868	642536.2	4170448.9	Worker	Scenario 1	5.82E-02	1.18E-04	--
8869	642636.2	4170448.9	Worker	Scenario 1	5.74E-02	1.16E-04	--
8870	642736.2	4170448.9	Worker	Scenario 1	5.65E-02	1.14E-04	--
8871	642836.2	4170448.9	Worker	Scenario 1	5.56E-02	1.12E-04	--
8872	642936.2	4170448.9	Worker	Scenario 1	5.48E-02	1.11E-04	--
8873	643036.2	4170448.9	Worker	Scenario 1	5.43E-02	1.10E-04	--
8874	643136.2	4170448.9	Worker	Scenario 1	5.39E-02	1.09E-04	--
8875	643236.2	4170448.9	Worker	Scenario 1	5.34E-02	1.08E-04	--
8876	643336.2	4170448.9	Worker	Scenario 1	5.28E-02	1.07E-04	--
8877	643436.2	4170448.9	Worker	Scenario 1	5.22E-02	1.05E-04	--
8878	643536.2	4170448.9	Worker	Scenario 1	5.15E-02	1.04E-04	--
8879	635836.2	4170548.9	Worker	Scenario 1	7.69E-03	1.55E-05	--
8880	635936.2	4170548.9	Worker	Scenario 1	7.91E-03	1.60E-05	--
8881	636236.2	4170548.9	Worker	Scenario 1	8.88E-03	1.79E-05	--
8882	636336.2	4170548.9	Worker	Scenario 1	9.23E-03	1.86E-05	--
8883	636436.2	4170548.9	Worker	Scenario 1	9.43E-03	1.90E-05	--
8884	636536.2	4170548.9	Worker	Scenario 1	9.90E-03	2.00E-05	--
8885	636636.2	4170548.9	Worker	Scenario 1	1.03E-02	2.07E-05	--
8886	636736.2	4170548.9	Worker	Scenario 1	1.05E-02	2.11E-05	--
8887	636836.2	4170548.9	Worker	Scenario 1	1.11E-02	2.23E-05	--
8888	636936.2	4170548.9	Worker	Scenario 1	1.15E-02	2.33E-05	--
8889	637036.2	4170548.9	Worker	Scenario 1	1.21E-02	2.44E-05	--
8890	637136.2	4170548.9	Worker	Scenario 1	1.21E-02	2.44E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8891	637336.2	4170548.9	Worker	Scenario 1	1.27E-02	2.56E-05	--
8892	637436.2	4170548.9	Worker	Scenario 1	1.40E-02	2.82E-05	--
8893	637536.2	4170548.9	Worker	Scenario 1	1.41E-02	2.85E-05	--
8894	637636.2	4170548.9	Worker	Scenario 1	1.45E-02	2.93E-05	--
8895	637736.2	4170548.9	Worker	Scenario 1	1.51E-02	3.05E-05	--
8896	637836.2	4170548.9	Worker	Scenario 1	1.56E-02	3.15E-05	--
8897	637936.2	4170548.9	Worker	Scenario 1	1.61E-02	3.24E-05	--
8898	638036.2	4170548.9	Worker	Scenario 1	1.65E-02	3.33E-05	--
8899	638136.2	4170548.9	Worker	Scenario 1	1.69E-02	3.41E-05	--
8900	638236.2	4170548.9	Worker	Scenario 1	1.72E-02	3.48E-05	--
8901	638336.2	4170548.9	Worker	Scenario 1	1.85E-02	3.74E-05	--
8902	638536.2	4170548.9	Worker	Scenario 1	1.99E-02	4.02E-05	--
8903	638636.2	4170548.9	Worker	Scenario 1	2.03E-02	4.10E-05	--
8904	638736.2	4170548.9	Worker	Scenario 1	2.09E-02	4.21E-05	--
8905	638836.2	4170548.9	Worker	Scenario 1	2.16E-02	4.37E-05	--
8906	638936.2	4170548.9	Worker	Scenario 1	2.16E-02	4.36E-05	--
8907	639036.2	4170548.9	Worker	Scenario 1	2.24E-02	4.53E-05	--
8908	639136.2	4170548.9	Worker	Scenario 1	2.33E-02	4.70E-05	--
8909	639236.2	4170548.9	Worker	Scenario 1	2.37E-02	4.79E-05	--
8910	639336.2	4170548.9	Worker	Scenario 1	2.50E-02	5.04E-05	--
8911	639436.2	4170548.9	Worker	Scenario 1	2.75E-02	5.55E-05	--
8912	639536.2	4170548.9	Worker	Scenario 1	2.86E-02	5.77E-05	--
8913	639636.2	4170548.9	Worker	Scenario 1	2.97E-02	6.00E-05	--
8914	639736.2	4170548.9	Worker	Scenario 1	3.09E-02	6.24E-05	--
8915	639836.2	4170548.9	Worker	Scenario 1	3.22E-02	6.50E-05	--
8916	639936.2	4170548.9	Worker	Scenario 1	3.35E-02	6.76E-05	--
8917	640036.2	4170548.9	Worker	Scenario 1	3.49E-02	7.04E-05	--
8918	640136.2	4170548.9	Worker	Scenario 1	3.63E-02	7.33E-05	--
8919	640236.2	4170548.9	Worker	Scenario 1	3.77E-02	7.62E-05	--
8920	640336.2	4170548.9	Worker	Scenario 1	3.93E-02	7.94E-05	--
8921	640436.2	4170548.9	Worker	Scenario 1	4.10E-02	8.28E-05	--
8922	640536.2	4170548.9	Worker	Scenario 1	4.28E-02	8.64E-05	--
8923	640636.2	4170548.9	Worker	Scenario 1	4.46E-02	9.02E-05	--
8924	640736.2	4170548.9	Worker	Scenario 1	4.66E-02	9.42E-05	--
8925	640836.2	4170548.9	Worker	Scenario 1	4.86E-02	9.81E-05	--
8926	640936.2	4170548.9	Worker	Scenario 1	5.05E-02	1.02E-04	--
8927	641036.2	4170548.9	Worker	Scenario 1	5.23E-02	1.06E-04	--
8928	641136.2	4170548.9	Worker	Scenario 1	5.37E-02	1.09E-04	--
8929	641236.2	4170548.9	Worker	Scenario 1	5.46E-02	1.10E-04	--
8930	641336.2	4170548.9	Worker	Scenario 1	5.54E-02	1.12E-04	--
8931	641436.2	4170548.9	Worker	Scenario 1	5.57E-02	1.13E-04	--
8932	641536.2	4170548.9	Worker	Scenario 1	5.55E-02	1.12E-04	--
8933	641636.2	4170548.9	Worker	Scenario 1	5.54E-02	1.12E-04	--
8934	641736.2	4170548.9	Worker	Scenario 1	5.51E-02	1.11E-04	--
8935	641836.2	4170548.9	Worker	Scenario 1	5.49E-02	1.11E-04	--
8936	641936.2	4170548.9	Worker	Scenario 1	5.47E-02	1.11E-04	--
8937	642036.2	4170548.9	Worker	Scenario 1	5.49E-02	1.11E-04	--
8938	642136.2	4170548.9	Worker	Scenario 1	5.52E-02	1.11E-04	--
8939	642236.2	4170548.9	Worker	Scenario 1	5.56E-02	1.12E-04	--
8940	642336.2	4170548.9	Worker	Scenario 1	5.58E-02	1.13E-04	--
8941	642436.2	4170548.9	Worker	Scenario 1	5.56E-02	1.12E-04	--
8942	642536.2	4170548.9	Worker	Scenario 1	5.51E-02	1.11E-04	--
8943	642636.2	4170548.9	Worker	Scenario 1	5.44E-02	1.10E-04	--
8944	642736.2	4170548.9	Worker	Scenario 1	5.36E-02	1.08E-04	--
8945	642836.2	4170548.9	Worker	Scenario 1	5.28E-02	1.07E-04	--
8946	642936.2	4170548.9	Worker	Scenario 1	5.21E-02	1.05E-04	--
8947	643036.2	4170548.9	Worker	Scenario 1	5.16E-02	1.04E-04	--
8948	643136.2	4170548.9	Worker	Scenario 1	5.12E-02	1.03E-04	--
8949	643236.2	4170548.9	Worker	Scenario 1	5.08E-02	1.03E-04	--
8950	643336.2	4170548.9	Worker	Scenario 1	5.03E-02	1.02E-04	--
8951	643436.2	4170548.9	Worker	Scenario 1	4.98E-02	1.00E-04	--
8952	643536.2	4170548.9	Worker	Scenario 1	4.92E-02	9.94E-05	--
8953	635736.2	4170648.9	Worker	Scenario 1	7.60E-03	1.54E-05	--
8954	635836.2	4170648.9	Worker	Scenario 1	7.80E-03	1.58E-05	--
8955	636236.2	4170648.9	Worker	Scenario 1	8.91E-03	1.80E-05	--
8956	636336.2	4170648.9	Worker	Scenario 1	9.23E-03	1.86E-05	--
8957	636436.2	4170648.9	Worker	Scenario 1	9.53E-03	1.93E-05	--
8958	636536.2	4170648.9	Worker	Scenario 1	1.07E-02	2.17E-05	--
8959	636636.2	4170648.9	Worker	Scenario 1	1.09E-02	2.21E-05	--
8960	636736.2	4170648.9	Worker	Scenario 1	1.06E-02	2.14E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
8961	636836.2	4170648.9	Worker	Scenario 1	1.12E-02	2.26E-05	--
8962	636936.2	4170648.9	Worker	Scenario 1	1.14E-02	2.29E-05	--
8963	637036.2	4170648.9	Worker	Scenario 1	1.19E-02	2.41E-05	--
8964	637336.2	4170648.9	Worker	Scenario 1	1.36E-02	2.75E-05	--
8965	637436.2	4170648.9	Worker	Scenario 1	1.39E-02	2.81E-05	--
8966	637536.2	4170648.9	Worker	Scenario 1	1.45E-02	2.93E-05	--
8967	637636.2	4170648.9	Worker	Scenario 1	1.45E-02	2.92E-05	--
8968	637736.2	4170648.9	Worker	Scenario 1	1.51E-02	3.04E-05	--
8969	637836.2	4170648.9	Worker	Scenario 1	1.55E-02	3.14E-05	--
8970	637936.2	4170648.9	Worker	Scenario 1	1.60E-02	3.24E-05	--
8971	638036.2	4170648.9	Worker	Scenario 1	1.65E-02	3.33E-05	--
8972	638136.2	4170648.9	Worker	Scenario 1	1.71E-02	3.46E-05	--
8973	638236.2	4170648.9	Worker	Scenario 1	1.76E-02	3.55E-05	--
8974	638336.2	4170648.9	Worker	Scenario 1	1.85E-02	3.73E-05	--
8975	638536.2	4170648.9	Worker	Scenario 1	1.99E-02	4.02E-05	--
8976	638636.2	4170648.9	Worker	Scenario 1	2.04E-02	4.12E-05	--
8977	638736.2	4170648.9	Worker	Scenario 1	2.10E-02	4.24E-05	--
8978	638836.2	4170648.9	Worker	Scenario 1	2.17E-02	4.38E-05	--
8979	638936.2	4170648.9	Worker	Scenario 1	2.15E-02	4.35E-05	--
8980	639036.2	4170648.9	Worker	Scenario 1	2.24E-02	4.52E-05	--
8981	639136.2	4170648.9	Worker	Scenario 1	2.32E-02	4.70E-05	--
8982	639236.2	4170648.9	Worker	Scenario 1	2.34E-02	4.72E-05	--
8983	639336.2	4170648.9	Worker	Scenario 1	2.56E-02	5.18E-05	--
8984	639436.2	4170648.9	Worker	Scenario 1	2.73E-02	5.51E-05	--
8985	639536.2	4170648.9	Worker	Scenario 1	2.83E-02	5.72E-05	--
8986	639636.2	4170648.9	Worker	Scenario 1	2.94E-02	5.95E-05	--
8987	639736.2	4170648.9	Worker	Scenario 1	3.05E-02	6.17E-05	--
8988	639836.2	4170648.9	Worker	Scenario 1	3.17E-02	6.41E-05	--
8989	639936.2	4170648.9	Worker	Scenario 1	3.30E-02	6.66E-05	--
8990	640036.2	4170648.9	Worker	Scenario 1	3.43E-02	6.92E-05	--
8991	640136.2	4170648.9	Worker	Scenario 1	3.56E-02	7.18E-05	--
8992	640236.2	4170648.9	Worker	Scenario 1	3.69E-02	7.46E-05	--
8993	640336.2	4170648.9	Worker	Scenario 1	3.84E-02	7.75E-05	--
8994	640436.2	4170648.9	Worker	Scenario 1	3.99E-02	8.06E-05	--
8995	640536.2	4170648.9	Worker	Scenario 1	4.14E-02	8.37E-05	--
8996	640636.2	4170648.9	Worker	Scenario 1	4.31E-02	8.70E-05	--
8997	640736.2	4170648.9	Worker	Scenario 1	4.47E-02	9.02E-05	--
8998	640836.2	4170648.9	Worker	Scenario 1	4.62E-02	9.33E-05	--
8999	640936.2	4170648.9	Worker	Scenario 1	4.77E-02	9.63E-05	--
9000	641036.2	4170648.9	Worker	Scenario 1	4.90E-02	9.89E-05	--
9001	641136.2	4170648.9	Worker	Scenario 1	5.00E-02	1.01E-04	--
9002	641236.2	4170648.9	Worker	Scenario 1	5.07E-02	1.02E-04	--
9003	641336.2	4170648.9	Worker	Scenario 1	5.13E-02	1.04E-04	--
9004	641436.2	4170648.9	Worker	Scenario 1	5.18E-02	1.05E-04	--
9005	641536.2	4170648.9	Worker	Scenario 1	5.18E-02	1.05E-04	--
9006	641636.2	4170648.9	Worker	Scenario 1	5.17E-02	1.04E-04	--
9007	641736.2	4170648.9	Worker	Scenario 1	5.17E-02	1.04E-04	--
9008	641836.2	4170648.9	Worker	Scenario 1	5.17E-02	1.04E-04	--
9009	641936.2	4170648.9	Worker	Scenario 1	5.18E-02	1.05E-04	--
9010	642036.2	4170648.9	Worker	Scenario 1	5.21E-02	1.05E-04	--
9011	642136.2	4170648.9	Worker	Scenario 1	5.25E-02	1.06E-04	--
9012	642236.2	4170648.9	Worker	Scenario 1	5.29E-02	1.07E-04	--
9013	642336.2	4170648.9	Worker	Scenario 1	5.30E-02	1.07E-04	--
9014	642436.2	4170648.9	Worker	Scenario 1	5.29E-02	1.07E-04	--
9015	642536.2	4170648.9	Worker	Scenario 1	5.24E-02	1.06E-04	--
9016	642636.2	4170648.9	Worker	Scenario 1	5.17E-02	1.04E-04	--
9017	642736.2	4170648.9	Worker	Scenario 1	5.09E-02	1.03E-04	--
9018	642836.2	4170648.9	Worker	Scenario 1	5.02E-02	1.01E-04	--
9019	642936.2	4170648.9	Worker	Scenario 1	4.96E-02	1.00E-04	--
9020	643036.2	4170648.9	Worker	Scenario 1	4.92E-02	9.93E-05	--
9021	643136.2	4170648.9	Worker	Scenario 1	4.88E-02	9.86E-05	--
9022	643236.2	4170648.9	Worker	Scenario 1	4.84E-02	9.78E-05	--
9023	643336.2	4170648.9	Worker	Scenario 1	4.80E-02	9.69E-05	--
9024	643436.2	4170648.9	Worker	Scenario 1	4.75E-02	9.60E-05	--
9025	635736.2	4170748.9	Worker	Scenario 1	7.70E-03	1.56E-05	--
9026	636336.2	4170748.9	Worker	Scenario 1	9.30E-03	1.88E-05	--
9027	636436.2	4170748.9	Worker	Scenario 1	9.65E-03	1.95E-05	--
9028	636536.2	4170748.9	Worker	Scenario 1	1.07E-02	2.15E-05	--
9029	636636.2	4170748.9	Worker	Scenario 1	1.11E-02	2.24E-05	--
9030	636736.2	4170748.9	Worker	Scenario 1	1.16E-02	2.34E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9031	636836.2	4170748.9	Worker	Scenario 1	1.20E-02	2.42E-05	--
9032	636936.2	4170748.9	Worker	Scenario 1	1.20E-02	2.42E-05	--
9033	637236.2	4170748.9	Worker	Scenario 1	1.27E-02	2.56E-05	--
9034	637336.2	4170748.9	Worker	Scenario 1	1.36E-02	2.75E-05	--
9035	637436.2	4170748.9	Worker	Scenario 1	1.40E-02	2.84E-05	--
9036	637536.2	4170748.9	Worker	Scenario 1	1.44E-02	2.91E-05	--
9037	637636.2	4170748.9	Worker	Scenario 1	1.50E-02	3.04E-05	--
9038	637736.2	4170748.9	Worker	Scenario 1	1.51E-02	3.04E-05	--
9039	637836.2	4170748.9	Worker	Scenario 1	1.55E-02	3.14E-05	--
9040	637936.2	4170748.9	Worker	Scenario 1	1.60E-02	3.23E-05	--
9041	638036.2	4170748.9	Worker	Scenario 1	1.63E-02	3.29E-05	--
9042	638136.2	4170748.9	Worker	Scenario 1	1.77E-02	3.58E-05	--
9043	638236.2	4170748.9	Worker	Scenario 1	1.77E-02	3.58E-05	--
9044	638336.2	4170748.9	Worker	Scenario 1	1.85E-02	3.73E-05	--
9045	638636.2	4170748.9	Worker	Scenario 1	2.04E-02	4.13E-05	--
9046	638736.2	4170748.9	Worker	Scenario 1	2.11E-02	4.27E-05	--
9047	638836.2	4170748.9	Worker	Scenario 1	2.21E-02	4.46E-05	--
9048	638936.2	4170748.9	Worker	Scenario 1	2.14E-02	4.33E-05	--
9049	639036.2	4170748.9	Worker	Scenario 1	2.23E-02	4.50E-05	--
9050	639136.2	4170748.9	Worker	Scenario 1	2.32E-02	4.69E-05	--
9051	639236.2	4170748.9	Worker	Scenario 1	2.33E-02	4.71E-05	--
9052	639336.2	4170748.9	Worker	Scenario 1	2.54E-02	5.13E-05	--
9053	639436.2	4170748.9	Worker	Scenario 1	2.70E-02	5.46E-05	--
9054	639536.2	4170748.9	Worker	Scenario 1	2.81E-02	5.67E-05	--
9055	639636.2	4170748.9	Worker	Scenario 1	2.91E-02	5.89E-05	--
9056	639736.2	4170748.9	Worker	Scenario 1	3.02E-02	6.09E-05	--
9057	639836.2	4170748.9	Worker	Scenario 1	3.13E-02	6.32E-05	--
9058	639936.2	4170748.9	Worker	Scenario 1	3.24E-02	6.55E-05	--
9059	640036.2	4170748.9	Worker	Scenario 1	3.36E-02	6.79E-05	--
9060	640136.2	4170748.9	Worker	Scenario 1	3.48E-02	7.03E-05	--
9061	640236.2	4170748.9	Worker	Scenario 1	3.61E-02	7.29E-05	--
9062	640336.2	4170748.9	Worker	Scenario 1	3.74E-02	7.56E-05	--
9063	640436.2	4170748.9	Worker	Scenario 1	3.88E-02	7.83E-05	--
9064	640536.2	4170748.9	Worker	Scenario 1	4.01E-02	8.10E-05	--
9065	640636.2	4170748.9	Worker	Scenario 1	4.15E-02	8.38E-05	--
9066	640736.2	4170748.9	Worker	Scenario 1	4.28E-02	8.64E-05	--
9067	640836.2	4170748.9	Worker	Scenario 1	4.40E-02	8.89E-05	--
9068	640936.2	4170748.9	Worker	Scenario 1	4.52E-02	9.12E-05	--
9069	641036.2	4170748.9	Worker	Scenario 1	4.62E-02	9.33E-05	--
9070	641136.2	4170748.9	Worker	Scenario 1	4.70E-02	9.50E-05	--
9071	641236.2	4170748.9	Worker	Scenario 1	4.75E-02	9.60E-05	--
9072	641336.2	4170748.9	Worker	Scenario 1	4.81E-02	9.72E-05	--
9073	641436.2	4170748.9	Worker	Scenario 1	4.86E-02	9.81E-05	--
9074	641536.2	4170748.9	Worker	Scenario 1	4.87E-02	9.84E-05	--
9075	641636.2	4170748.9	Worker	Scenario 1	4.86E-02	9.82E-05	--
9076	641736.2	4170748.9	Worker	Scenario 1	4.87E-02	9.84E-05	--
9077	641836.2	4170748.9	Worker	Scenario 1	4.89E-02	9.88E-05	--
9078	641936.2	4170748.9	Worker	Scenario 1	4.92E-02	9.94E-05	--
9079	642036.2	4170748.9	Worker	Scenario 1	4.96E-02	1.00E-04	--
9080	642136.2	4170748.9	Worker	Scenario 1	5.01E-02	1.01E-04	--
9081	642236.2	4170748.9	Worker	Scenario 1	5.05E-02	1.02E-04	--
9082	642336.2	4170748.9	Worker	Scenario 1	5.06E-02	1.02E-04	--
9083	642436.2	4170748.9	Worker	Scenario 1	5.04E-02	1.02E-04	--
9084	642536.2	4170748.9	Worker	Scenario 1	4.99E-02	1.01E-04	--
9085	642636.2	4170748.9	Worker	Scenario 1	4.93E-02	9.95E-05	--
9086	642736.2	4170748.9	Worker	Scenario 1	4.86E-02	9.81E-05	--
9087	642836.2	4170748.9	Worker	Scenario 1	4.79E-02	9.68E-05	--
9088	642936.2	4170748.9	Worker	Scenario 1	4.73E-02	9.56E-05	--
9089	643036.2	4170748.9	Worker	Scenario 1	4.70E-02	9.48E-05	--
9090	643136.2	4170748.9	Worker	Scenario 1	4.66E-02	9.41E-05	--
9091	643236.2	4170748.9	Worker	Scenario 1	4.62E-02	9.34E-05	--
9092	643336.2	4170748.9	Worker	Scenario 1	4.59E-02	9.27E-05	--
9093	636436.2	4170848.9	Worker	Scenario 1	9.76E-03	1.97E-05	--
9094	636536.2	4170848.9	Worker	Scenario 1	1.01E-02	2.04E-05	--
9095	636936.2	4170848.9	Worker	Scenario 1	1.15E-02	2.32E-05	--
9096	637336.2	4170848.9	Worker	Scenario 1	1.33E-02	2.68E-05	--
9097	637436.2	4170848.9	Worker	Scenario 1	1.38E-02	2.79E-05	--
9098	637536.2	4170848.9	Worker	Scenario 1	1.43E-02	2.89E-05	--
9099	637636.2	4170848.9	Worker	Scenario 1	1.52E-02	3.07E-05	--
9100	637736.2	4170848.9	Worker	Scenario 1	1.57E-02	3.17E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9101	637836.2	4170848.9	Worker	Scenario 1	1.62E-02	3.27E-05	--
9102	637936.2	4170848.9	Worker	Scenario 1	1.67E-02	3.37E-05	--
9103	638036.2	4170848.9	Worker	Scenario 1	1.64E-02	3.31E-05	--
9104	638136.2	4170848.9	Worker	Scenario 1	1.71E-02	3.46E-05	--
9105	638236.2	4170848.9	Worker	Scenario 1	1.78E-02	3.59E-05	--
9106	638336.2	4170848.9	Worker	Scenario 1	1.84E-02	3.73E-05	--
9107	638536.2	4170848.9	Worker	Scenario 1	2.00E-02	4.03E-05	--
9108	638636.2	4170848.9	Worker	Scenario 1	2.06E-02	4.16E-05	--
9109	638736.2	4170848.9	Worker	Scenario 1	2.13E-02	4.30E-05	--
9110	638836.2	4170848.9	Worker	Scenario 1	2.17E-02	4.39E-05	--
9111	638936.2	4170848.9	Worker	Scenario 1	2.14E-02	4.31E-05	--
9112	639036.2	4170848.9	Worker	Scenario 1	2.22E-02	4.48E-05	--
9113	639136.2	4170848.9	Worker	Scenario 1	2.30E-02	4.65E-05	--
9114	639236.2	4170848.9	Worker	Scenario 1	2.32E-02	4.69E-05	--
9115	639336.2	4170848.9	Worker	Scenario 1	2.52E-02	5.08E-05	--
9116	639436.2	4170848.9	Worker	Scenario 1	2.66E-02	5.37E-05	--
9117	639536.2	4170848.9	Worker	Scenario 1	2.75E-02	5.56E-05	--
9118	639636.2	4170848.9	Worker	Scenario 1	2.87E-02	5.80E-05	--
9119	639736.2	4170848.9	Worker	Scenario 1	2.97E-02	6.01E-05	--
9120	639836.2	4170848.9	Worker	Scenario 1	3.08E-02	6.22E-05	--
9121	639936.2	4170848.9	Worker	Scenario 1	3.18E-02	6.43E-05	--
9122	640036.2	4170848.9	Worker	Scenario 1	3.29E-02	6.65E-05	--
9123	640136.2	4170848.9	Worker	Scenario 1	3.41E-02	6.88E-05	--
9124	640236.2	4170848.9	Worker	Scenario 1	3.52E-02	7.12E-05	--
9125	640336.2	4170848.9	Worker	Scenario 1	3.64E-02	7.36E-05	--
9126	640436.2	4170848.9	Worker	Scenario 1	3.76E-02	7.60E-05	--
9127	640536.2	4170848.9	Worker	Scenario 1	3.88E-02	7.83E-05	--
9128	640636.2	4170848.9	Worker	Scenario 1	3.99E-02	8.07E-05	--
9129	640736.2	4170848.9	Worker	Scenario 1	4.10E-02	8.29E-05	--
9130	640836.2	4170848.9	Worker	Scenario 1	4.20E-02	8.49E-05	--
9131	640936.2	4170848.9	Worker	Scenario 1	4.30E-02	8.68E-05	--
9132	641036.2	4170848.9	Worker	Scenario 1	4.38E-02	8.85E-05	--
9133	641136.2	4170848.9	Worker	Scenario 1	4.45E-02	8.98E-05	--
9134	641236.2	4170848.9	Worker	Scenario 1	4.49E-02	9.07E-05	--
9135	641336.2	4170848.9	Worker	Scenario 1	4.55E-02	9.18E-05	--
9136	641436.2	4170848.9	Worker	Scenario 1	4.58E-02	9.26E-05	--
9137	641536.2	4170848.9	Worker	Scenario 1	4.59E-02	9.28E-05	--
9138	641636.2	4170848.9	Worker	Scenario 1	4.60E-02	9.30E-05	--
9139	641736.2	4170848.9	Worker	Scenario 1	4.62E-02	9.32E-05	--
9140	641836.2	4170848.9	Worker	Scenario 1	4.65E-02	9.39E-05	--
9141	641936.2	4170848.9	Worker	Scenario 1	4.69E-02	9.47E-05	--
9142	642036.2	4170848.9	Worker	Scenario 1	4.74E-02	9.58E-05	--
9143	642136.2	4170848.9	Worker	Scenario 1	4.78E-02	9.66E-05	--
9144	642236.2	4170848.9	Worker	Scenario 1	4.82E-02	9.74E-05	--
9145	642336.2	4170848.9	Worker	Scenario 1	4.83E-02	9.76E-05	--
9146	642436.2	4170848.9	Worker	Scenario 1	4.81E-02	9.72E-05	--
9147	642536.2	4170848.9	Worker	Scenario 1	4.77E-02	9.63E-05	--
9148	642636.2	4170848.9	Worker	Scenario 1	4.71E-02	9.50E-05	--
9149	642736.2	4170848.9	Worker	Scenario 1	4.64E-02	9.37E-05	--
9150	642836.2	4170848.9	Worker	Scenario 1	4.58E-02	9.25E-05	--
9151	642936.2	4170848.9	Worker	Scenario 1	4.53E-02	9.15E-05	--
9152	643036.2	4170848.9	Worker	Scenario 1	4.49E-02	9.08E-05	--
9153	643136.2	4170848.9	Worker	Scenario 1	4.46E-02	9.01E-05	--
9154	643236.2	4170848.9	Worker	Scenario 1	4.42E-02	8.94E-05	--
9155	643336.2	4170848.9	Worker	Scenario 1	4.38E-02	8.85E-05	--
9156	637336.2	4170948.9	Worker	Scenario 1	1.34E-02	2.70E-05	--
9157	637436.2	4170948.9	Worker	Scenario 1	1.38E-02	2.78E-05	--
9158	637536.2	4170948.9	Worker	Scenario 1	1.49E-02	3.01E-05	--
9159	637636.2	4170948.9	Worker	Scenario 1	1.47E-02	2.97E-05	--
9160	637736.2	4170948.9	Worker	Scenario 1	1.51E-02	3.04E-05	--
9161	637836.2	4170948.9	Worker	Scenario 1	1.56E-02	3.16E-05	--
9162	637936.2	4170948.9	Worker	Scenario 1	1.64E-02	3.31E-05	--
9163	638036.2	4170948.9	Worker	Scenario 1	1.64E-02	3.32E-05	--
9164	638136.2	4170948.9	Worker	Scenario 1	1.71E-02	3.46E-05	--
9165	638236.2	4170948.9	Worker	Scenario 1	1.77E-02	3.58E-05	--
9166	638536.2	4170948.9	Worker	Scenario 1	1.98E-02	4.01E-05	--
9167	638636.2	4170948.9	Worker	Scenario 1	2.05E-02	4.14E-05	--
9168	638736.2	4170948.9	Worker	Scenario 1	2.11E-02	4.27E-05	--
9169	638836.2	4170948.9	Worker	Scenario 1	2.09E-02	4.22E-05	--
9170	638936.2	4170948.9	Worker	Scenario 1	2.12E-02	4.29E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9171	639036.2	4170948.9	Worker	Scenario 1	2.20E-02	4.45E-05	--
9172	639136.2	4170948.9	Worker	Scenario 1	2.20E-02	4.45E-05	--
9173	639236.2	4170948.9	Worker	Scenario 1	2.28E-02	4.60E-05	--
9174	639336.2	4170948.9	Worker	Scenario 1	2.50E-02	5.06E-05	--
9175	639436.2	4170948.9	Worker	Scenario 1	2.62E-02	5.30E-05	--
9176	639536.2	4170948.9	Worker	Scenario 1	2.72E-02	5.50E-05	--
9177	639636.2	4170948.9	Worker	Scenario 1	2.82E-02	5.70E-05	--
9178	639736.2	4170948.9	Worker	Scenario 1	2.93E-02	5.92E-05	--
9179	639836.2	4170948.9	Worker	Scenario 1	3.03E-02	6.11E-05	--
9180	639936.2	4170948.9	Worker	Scenario 1	3.12E-02	6.31E-05	--
9181	640036.2	4170948.9	Worker	Scenario 1	3.23E-02	6.51E-05	--
9182	640136.2	4170948.9	Worker	Scenario 1	3.33E-02	6.72E-05	--
9183	640236.2	4170948.9	Worker	Scenario 1	3.44E-02	6.94E-05	--
9184	640336.2	4170948.9	Worker	Scenario 1	3.54E-02	7.16E-05	--
9185	640436.2	4170948.9	Worker	Scenario 1	3.65E-02	7.37E-05	--
9186	640536.2	4170948.9	Worker	Scenario 1	3.75E-02	7.58E-05	--
9187	640636.2	4170948.9	Worker	Scenario 1	3.85E-02	7.77E-05	--
9188	640736.2	4170948.9	Worker	Scenario 1	3.94E-02	7.96E-05	--
9189	640836.2	4170948.9	Worker	Scenario 1	4.03E-02	8.13E-05	--
9190	640936.2	4170948.9	Worker	Scenario 1	4.10E-02	8.29E-05	--
9191	641036.2	4170948.9	Worker	Scenario 1	4.17E-02	8.43E-05	--
9192	641136.2	4170948.9	Worker	Scenario 1	4.22E-02	8.53E-05	--
9193	641236.2	4170948.9	Worker	Scenario 1	4.26E-02	8.61E-05	--
9194	641336.2	4170948.9	Worker	Scenario 1	4.30E-02	8.68E-05	--
9195	641436.2	4170948.9	Worker	Scenario 1	4.33E-02	8.76E-05	--
9196	641536.2	4170948.9	Worker	Scenario 1	4.36E-02	8.80E-05	--
9197	641636.2	4170948.9	Worker	Scenario 1	4.37E-02	8.82E-05	--
9198	641736.2	4170948.9	Worker	Scenario 1	4.39E-02	8.86E-05	--
9199	641836.2	4170948.9	Worker	Scenario 1	4.42E-02	8.93E-05	--
9200	641936.2	4170948.9	Worker	Scenario 1	4.48E-02	9.04E-05	--
9201	642036.2	4170948.9	Worker	Scenario 1	4.54E-02	9.16E-05	--
9202	642136.2	4170948.9	Worker	Scenario 1	4.58E-02	9.25E-05	--
9203	642236.2	4170948.9	Worker	Scenario 1	4.61E-02	9.32E-05	--
9204	642336.2	4170948.9	Worker	Scenario 1	4.62E-02	9.34E-05	--
9205	642436.2	4170948.9	Worker	Scenario 1	4.60E-02	9.29E-05	--
9206	642536.2	4170948.9	Worker	Scenario 1	4.56E-02	9.20E-05	--
9207	642636.2	4170948.9	Worker	Scenario 1	4.50E-02	9.08E-05	--
9208	642736.2	4170948.9	Worker	Scenario 1	4.44E-02	8.96E-05	--
9209	642836.2	4170948.9	Worker	Scenario 1	4.38E-02	8.85E-05	--
9210	642936.2	4170948.9	Worker	Scenario 1	4.34E-02	8.77E-05	--
9211	643036.2	4170948.9	Worker	Scenario 1	4.31E-02	8.70E-05	--
9212	643136.2	4170948.9	Worker	Scenario 1	4.28E-02	8.64E-05	--
9213	643236.2	4170948.9	Worker	Scenario 1	4.25E-02	8.58E-05	--
9214	636836.2	4171048.9	Worker	Scenario 1	1.14E-02	2.30E-05	--
9215	637036.2	4171048.9	Worker	Scenario 1	1.22E-02	2.46E-05	--
9216	637136.2	4171048.9	Worker	Scenario 1	1.32E-02	2.66E-05	--
9217	637236.2	4171048.9	Worker	Scenario 1	1.37E-02	2.76E-05	--
9218	637336.2	4171048.9	Worker	Scenario 1	1.36E-02	2.74E-05	--
9219	637436.2	4171048.9	Worker	Scenario 1	1.43E-02	2.88E-05	--
9220	637536.2	4171048.9	Worker	Scenario 1	1.43E-02	2.88E-05	--
9221	637636.2	4171048.9	Worker	Scenario 1	1.48E-02	2.99E-05	--
9222	637736.2	4171048.9	Worker	Scenario 1	1.51E-02	3.04E-05	--
9223	637836.2	4171048.9	Worker	Scenario 1	1.55E-02	3.13E-05	--
9224	637936.2	4171048.9	Worker	Scenario 1	1.61E-02	3.26E-05	--
9225	638036.2	4171048.9	Worker	Scenario 1	1.71E-02	3.45E-05	--
9226	638136.2	4171048.9	Worker	Scenario 1	1.71E-02	3.46E-05	--
9227	638236.2	4171048.9	Worker	Scenario 1	1.77E-02	3.57E-05	--
9228	638436.2	4171048.9	Worker	Scenario 1	1.91E-02	3.86E-05	--
9229	638536.2	4171048.9	Worker	Scenario 1	1.98E-02	4.00E-05	--
9230	638636.2	4171048.9	Worker	Scenario 1	2.00E-02	4.04E-05	--
9231	638736.2	4171048.9	Worker	Scenario 1	2.11E-02	4.26E-05	--
9232	638836.2	4171048.9	Worker	Scenario 1	2.05E-02	4.14E-05	--
9233	638936.2	4171048.9	Worker	Scenario 1	2.11E-02	4.26E-05	--
9234	639036.2	4171048.9	Worker	Scenario 1	2.21E-02	4.46E-05	--
9235	639136.2	4171048.9	Worker	Scenario 1	2.28E-02	4.60E-05	--
9236	639236.2	4171048.9	Worker	Scenario 1	2.34E-02	4.73E-05	--
9237	639336.2	4171048.9	Worker	Scenario 1	2.50E-02	5.04E-05	--
9238	639436.2	4171048.9	Worker	Scenario 1	2.53E-02	5.12E-05	--
9239	639536.2	4171048.9	Worker	Scenario 1	2.62E-02	5.30E-05	--
9240	639636.2	4171048.9	Worker	Scenario 1	2.78E-02	5.61E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9241	639736.2	4171048.9	Worker	Scenario 1	2.88E-02	5.82E-05	--
9242	639836.2	4171048.9	Worker	Scenario 1	2.97E-02	6.00E-05	--
9243	639936.2	4171048.9	Worker	Scenario 1	3.06E-02	6.19E-05	--
9244	640036.2	4171048.9	Worker	Scenario 1	3.16E-02	6.37E-05	--
9245	640136.2	4171048.9	Worker	Scenario 1	3.25E-02	6.57E-05	--
9246	640236.2	4171048.9	Worker	Scenario 1	3.35E-02	6.76E-05	--
9247	640336.2	4171048.9	Worker	Scenario 1	3.44E-02	6.95E-05	--
9248	640436.2	4171048.9	Worker	Scenario 1	3.53E-02	7.14E-05	--
9249	640536.2	4171048.9	Worker	Scenario 1	3.62E-02	7.32E-05	--
9250	640636.2	4171048.9	Worker	Scenario 1	3.71E-02	7.49E-05	--
9251	640736.2	4171048.9	Worker	Scenario 1	3.79E-02	7.65E-05	--
9252	640836.2	4171048.9	Worker	Scenario 1	3.86E-02	7.80E-05	--
9253	640936.2	4171048.9	Worker	Scenario 1	3.93E-02	7.93E-05	--
9254	641036.2	4171048.9	Worker	Scenario 1	3.99E-02	8.05E-05	--
9255	641136.2	4171048.9	Worker	Scenario 1	4.03E-02	8.14E-05	--
9256	641236.2	4171048.9	Worker	Scenario 1	4.07E-02	8.21E-05	--
9257	641336.2	4171048.9	Worker	Scenario 1	4.10E-02	8.29E-05	--
9258	641436.2	4171048.9	Worker	Scenario 1	4.13E-02	8.33E-05	--
9259	641536.2	4171048.9	Worker	Scenario 1	4.15E-02	8.38E-05	--
9260	641636.2	4171048.9	Worker	Scenario 1	4.17E-02	8.42E-05	--
9261	641736.2	4171048.9	Worker	Scenario 1	4.19E-02	8.47E-05	--
9262	641836.2	4171048.9	Worker	Scenario 1	4.23E-02	8.54E-05	--
9263	641936.2	4171048.9	Worker	Scenario 1	4.29E-02	8.66E-05	--
9264	642036.2	4171048.9	Worker	Scenario 1	4.35E-02	8.78E-05	--
9265	642136.2	4171048.9	Worker	Scenario 1	4.39E-02	8.87E-05	--
9266	642236.2	4171048.9	Worker	Scenario 1	4.42E-02	8.93E-05	--
9267	642336.2	4171048.9	Worker	Scenario 1	4.43E-02	8.94E-05	--
9268	642436.2	4171048.9	Worker	Scenario 1	4.40E-02	8.89E-05	--
9269	642536.2	4171048.9	Worker	Scenario 1	4.36E-02	8.81E-05	--
9270	642636.2	4171048.9	Worker	Scenario 1	4.30E-02	8.69E-05	--
9271	642736.2	4171048.9	Worker	Scenario 1	4.25E-02	8.58E-05	--
9272	642836.2	4171048.9	Worker	Scenario 1	4.20E-02	8.48E-05	--
9273	642936.2	4171048.9	Worker	Scenario 1	4.17E-02	8.41E-05	--
9274	643036.2	4171048.9	Worker	Scenario 1	4.13E-02	8.35E-05	--
9275	643136.2	4171048.9	Worker	Scenario 1	4.10E-02	8.29E-05	--
9276	636936.2	4171148.9	Worker	Scenario 1	1.21E-02	2.45E-05	--
9277	637036.2	4171148.9	Worker	Scenario 1	1.28E-02	2.58E-05	--
9278	637136.2	4171148.9	Worker	Scenario 1	1.31E-02	2.64E-05	--
9279	637236.2	4171148.9	Worker	Scenario 1	1.34E-02	2.71E-05	--
9280	637336.2	4171148.9	Worker	Scenario 1	1.33E-02	2.68E-05	--
9281	637436.2	4171148.9	Worker	Scenario 1	1.36E-02	2.75E-05	--
9282	637536.2	4171148.9	Worker	Scenario 1	1.40E-02	2.84E-05	--
9283	637636.2	4171148.9	Worker	Scenario 1	1.46E-02	2.95E-05	--
9284	637736.2	4171148.9	Worker	Scenario 1	1.52E-02	3.07E-05	--
9285	637836.2	4171148.9	Worker	Scenario 1	1.54E-02	3.11E-05	--
9286	637936.2	4171148.9	Worker	Scenario 1	1.57E-02	3.17E-05	--
9287	638036.2	4171148.9	Worker	Scenario 1	1.66E-02	3.35E-05	--
9288	638136.2	4171148.9	Worker	Scenario 1	1.71E-02	3.45E-05	--
9289	638436.2	4171148.9	Worker	Scenario 1	1.89E-02	3.82E-05	--
9290	638536.2	4171148.9	Worker	Scenario 1	1.93E-02	3.90E-05	--
9291	638636.2	4171148.9	Worker	Scenario 1	1.99E-02	4.02E-05	--
9292	638736.2	4171148.9	Worker	Scenario 1	2.07E-02	4.18E-05	--
9293	638836.2	4171148.9	Worker	Scenario 1	2.03E-02	4.09E-05	--
9294	638936.2	4171148.9	Worker	Scenario 1	2.11E-02	4.26E-05	--
9295	639036.2	4171148.9	Worker	Scenario 1	2.18E-02	4.40E-05	--
9296	639136.2	4171148.9	Worker	Scenario 1	2.23E-02	4.50E-05	--
9297	639236.2	4171148.9	Worker	Scenario 1	2.30E-02	4.64E-05	--
9298	639336.2	4171148.9	Worker	Scenario 1	2.51E-02	5.06E-05	--
9299	639436.2	4171148.9	Worker	Scenario 1	2.51E-02	5.07E-05	--
9300	639536.2	4171148.9	Worker	Scenario 1	2.58E-02	5.22E-05	--
9301	639636.2	4171148.9	Worker	Scenario 1	2.73E-02	5.52E-05	--
9302	639736.2	4171148.9	Worker	Scenario 1	2.83E-02	5.72E-05	--
9303	639836.2	4171148.9	Worker	Scenario 1	2.92E-02	5.89E-05	--
9304	639936.2	4171148.9	Worker	Scenario 1	3.00E-02	6.06E-05	--
9305	640036.2	4171148.9	Worker	Scenario 1	3.09E-02	6.23E-05	--
9306	640136.2	4171148.9	Worker	Scenario 1	3.17E-02	6.41E-05	--
9307	640236.2	4171148.9	Worker	Scenario 1	3.26E-02	6.58E-05	--
9308	640336.2	4171148.9	Worker	Scenario 1	3.34E-02	6.75E-05	--
9309	640436.2	4171148.9	Worker	Scenario 1	3.42E-02	6.91E-05	--
9310	640536.2	4171148.9	Worker	Scenario 1	3.50E-02	7.07E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9311	640636.2	4171148.9	Worker	Scenario 1	3.57E-02	7.21E-05	--
9312	640736.2	4171148.9	Worker	Scenario 1	3.64E-02	7.36E-05	--
9313	640836.2	4171148.9	Worker	Scenario 1	3.71E-02	7.48E-05	--
9314	640936.2	4171148.9	Worker	Scenario 1	3.77E-02	7.61E-05	--
9315	641036.2	4171148.9	Worker	Scenario 1	3.82E-02	7.72E-05	--
9316	641136.2	4171148.9	Worker	Scenario 1	3.86E-02	7.79E-05	--
9317	641236.2	4171148.9	Worker	Scenario 1	3.89E-02	7.85E-05	--
9318	641336.2	4171148.9	Worker	Scenario 1	3.92E-02	7.92E-05	--
9319	641436.2	4171148.9	Worker	Scenario 1	3.96E-02	7.99E-05	--
9320	641536.2	4171148.9	Worker	Scenario 1	3.96E-02	8.01E-05	--
9321	641636.2	4171148.9	Worker	Scenario 1	3.99E-02	8.06E-05	--
9322	641736.2	4171148.9	Worker	Scenario 1	4.02E-02	8.12E-05	--
9323	641836.2	4171148.9	Worker	Scenario 1	4.06E-02	8.20E-05	--
9324	641936.2	4171148.9	Worker	Scenario 1	4.12E-02	8.31E-05	--
9325	642036.2	4171148.9	Worker	Scenario 1	4.18E-02	8.43E-05	--
9326	642136.2	4171148.9	Worker	Scenario 1	4.22E-02	8.52E-05	--
9327	642236.2	4171148.9	Worker	Scenario 1	4.24E-02	8.57E-05	--
9328	642336.2	4171148.9	Worker	Scenario 1	4.24E-02	8.57E-05	--
9329	642436.2	4171148.9	Worker	Scenario 1	4.22E-02	8.52E-05	--
9330	642536.2	4171148.9	Worker	Scenario 1	4.18E-02	8.44E-05	--
9331	642636.2	4171148.9	Worker	Scenario 1	4.13E-02	8.34E-05	--
9332	642736.2	4171148.9	Worker	Scenario 1	4.08E-02	8.23E-05	--
9333	642836.2	4171148.9	Worker	Scenario 1	4.03E-02	8.14E-05	--
9334	642936.2	4171148.9	Worker	Scenario 1	4.00E-02	8.09E-05	--
9335	643036.2	4171148.9	Worker	Scenario 1	3.97E-02	8.01E-05	--
9336	636836.2	4171248.9	Worker	Scenario 1	1.15E-02	2.32E-05	--
9337	636936.2	4171248.9	Worker	Scenario 1	1.24E-02	2.51E-05	--
9338	637036.2	4171248.9	Worker	Scenario 1	1.27E-02	2.56E-05	--
9339	637136.2	4171248.9	Worker	Scenario 1	1.30E-02	2.62E-05	--
9340	637236.2	4171248.9	Worker	Scenario 1	1.34E-02	2.70E-05	--
9341	637336.2	4171248.9	Worker	Scenario 1	1.31E-02	2.66E-05	--
9342	637436.2	4171248.9	Worker	Scenario 1	1.35E-02	2.72E-05	--
9343	637536.2	4171248.9	Worker	Scenario 1	1.38E-02	2.79E-05	--
9344	637636.2	4171248.9	Worker	Scenario 1	1.46E-02	2.96E-05	--
9345	637736.2	4171248.9	Worker	Scenario 1	1.49E-02	3.02E-05	--
9346	637836.2	4171248.9	Worker	Scenario 1	1.54E-02	3.11E-05	--
9347	637936.2	4171248.9	Worker	Scenario 1	1.61E-02	3.26E-05	--
9348	638336.2	4171248.9	Worker	Scenario 1	1.82E-02	3.67E-05	--
9349	638436.2	4171248.9	Worker	Scenario 1	1.87E-02	3.78E-05	--
9350	638536.2	4171248.9	Worker	Scenario 1	1.92E-02	3.87E-05	--
9351	638636.2	4171248.9	Worker	Scenario 1	1.97E-02	3.97E-05	--
9352	638736.2	4171248.9	Worker	Scenario 1	2.09E-02	4.22E-05	--
9353	638836.2	4171248.9	Worker	Scenario 1	2.02E-02	4.08E-05	--
9354	638936.2	4171248.9	Worker	Scenario 1	2.16E-02	4.36E-05	--
9355	639036.2	4171248.9	Worker	Scenario 1	2.15E-02	4.34E-05	--
9356	639136.2	4171248.9	Worker	Scenario 1	2.21E-02	4.46E-05	--
9357	639236.2	4171248.9	Worker	Scenario 1	2.27E-02	4.59E-05	--
9358	639336.2	4171248.9	Worker	Scenario 1	2.49E-02	5.03E-05	--
9359	639436.2	4171248.9	Worker	Scenario 1	2.47E-02	5.00E-05	--
9360	639536.2	4171248.9	Worker	Scenario 1	2.55E-02	5.15E-05	--
9361	639636.2	4171248.9	Worker	Scenario 1	2.69E-02	5.43E-05	--
9362	639736.2	4171248.9	Worker	Scenario 1	2.78E-02	5.62E-05	--
9363	639836.2	4171248.9	Worker	Scenario 1	2.86E-02	5.77E-05	--
9364	639936.2	4171248.9	Worker	Scenario 1	2.94E-02	5.93E-05	--
9365	640036.2	4171248.9	Worker	Scenario 1	3.01E-02	6.09E-05	--
9366	640136.2	4171248.9	Worker	Scenario 1	3.09E-02	6.24E-05	--
9367	640236.2	4171248.9	Worker	Scenario 1	3.17E-02	6.40E-05	--
9368	640336.2	4171248.9	Worker	Scenario 1	3.24E-02	6.55E-05	--
9369	640436.2	4171248.9	Worker	Scenario 1	3.31E-02	6.69E-05	--
9370	640536.2	4171248.9	Worker	Scenario 1	3.38E-02	6.83E-05	--
9371	640636.2	4171248.9	Worker	Scenario 1	3.44E-02	6.96E-05	--
9372	640736.2	4171248.9	Worker	Scenario 1	3.51E-02	7.08E-05	--
9373	640836.2	4171248.9	Worker	Scenario 1	3.57E-02	7.20E-05	--
9374	640936.2	4171248.9	Worker	Scenario 1	3.62E-02	7.31E-05	--
9375	641036.2	4171248.9	Worker	Scenario 1	3.67E-02	7.41E-05	--
9376	641136.2	4171248.9	Worker	Scenario 1	3.70E-02	7.47E-05	--
9377	641236.2	4171248.9	Worker	Scenario 1	3.73E-02	7.53E-05	--
9378	641336.2	4171248.9	Worker	Scenario 1	3.76E-02	7.59E-05	--
9379	641436.2	4171248.9	Worker	Scenario 1	3.79E-02	7.65E-05	--
9380	641536.2	4171248.9	Worker	Scenario 1	3.80E-02	7.67E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9381	641636.2	4171248.9	Worker	Scenario 1	3.83E-02	7.73E-05	--
9382	641736.2	4171248.9	Worker	Scenario 1	3.86E-02	7.80E-05	--
9383	641836.2	4171248.9	Worker	Scenario 1	3.91E-02	7.89E-05	--
9384	641936.2	4171248.9	Worker	Scenario 1	3.96E-02	8.00E-05	--
9385	642036.2	4171248.9	Worker	Scenario 1	4.02E-02	8.11E-05	--
9386	642136.2	4171248.9	Worker	Scenario 1	4.05E-02	8.19E-05	--
9387	642236.2	4171248.9	Worker	Scenario 1	4.07E-02	8.23E-05	--
9388	642336.2	4171248.9	Worker	Scenario 1	4.07E-02	8.22E-05	--
9389	642436.2	4171248.9	Worker	Scenario 1	4.05E-02	8.17E-05	--
9390	642536.2	4171248.9	Worker	Scenario 1	4.01E-02	8.10E-05	--
9391	642636.2	4171248.9	Worker	Scenario 1	3.96E-02	8.00E-05	--
9392	642736.2	4171248.9	Worker	Scenario 1	3.91E-02	7.91E-05	--
9393	642836.2	4171248.9	Worker	Scenario 1	3.87E-02	7.83E-05	--
9394	642936.2	4171248.9	Worker	Scenario 1	3.84E-02	7.75E-05	--
9395	636736.2	4171348.9	Worker	Scenario 1	1.12E-02	2.27E-05	--
9396	636836.2	4171348.9	Worker	Scenario 1	1.24E-02	2.51E-05	--
9397	636936.2	4171348.9	Worker	Scenario 1	1.24E-02	2.50E-05	--
9398	637036.2	4171348.9	Worker	Scenario 1	1.26E-02	2.54E-05	--
9399	637136.2	4171348.9	Worker	Scenario 1	1.29E-02	2.61E-05	--
9400	637236.2	4171348.9	Worker	Scenario 1	1.32E-02	2.66E-05	--
9401	637336.2	4171348.9	Worker	Scenario 1	1.31E-02	2.64E-05	--
9402	637436.2	4171348.9	Worker	Scenario 1	1.34E-02	2.71E-05	--
9403	637536.2	4171348.9	Worker	Scenario 1	1.44E-02	2.91E-05	--
9404	637636.2	4171348.9	Worker	Scenario 1	1.45E-02	2.93E-05	--
9405	637736.2	4171348.9	Worker	Scenario 1	1.55E-02	3.14E-05	--
9406	637836.2	4171348.9	Worker	Scenario 1	1.58E-02	3.20E-05	--
9407	638136.2	4171348.9	Worker	Scenario 1	1.70E-02	3.43E-05	--
9408	638236.2	4171348.9	Worker	Scenario 1	1.75E-02	3.54E-05	--
9409	638336.2	4171348.9	Worker	Scenario 1	1.83E-02	3.70E-05	--
9410	638436.2	4171348.9	Worker	Scenario 1	1.89E-02	3.82E-05	--
9411	638536.2	4171348.9	Worker	Scenario 1	1.90E-02	3.84E-05	--
9412	638636.2	4171348.9	Worker	Scenario 1	1.99E-02	4.03E-05	--
9413	638736.2	4171348.9	Worker	Scenario 1	2.06E-02	4.16E-05	--
9414	638836.2	4171348.9	Worker	Scenario 1	2.13E-02	4.31E-05	--
9415	638936.2	4171348.9	Worker	Scenario 1	2.15E-02	4.34E-05	--
9416	639036.2	4171348.9	Worker	Scenario 1	2.13E-02	4.30E-05	--
9417	639136.2	4171348.9	Worker	Scenario 1	2.19E-02	4.41E-05	--
9418	639236.2	4171348.9	Worker	Scenario 1	2.26E-02	4.56E-05	--
9419	639336.2	4171348.9	Worker	Scenario 1	2.46E-02	4.96E-05	--
9420	639436.2	4171348.9	Worker	Scenario 1	2.43E-02	4.90E-05	--
9421	639536.2	4171348.9	Worker	Scenario 1	2.50E-02	5.06E-05	--
9422	639636.2	4171348.9	Worker	Scenario 1	2.64E-02	5.34E-05	--
9423	639736.2	4171348.9	Worker	Scenario 1	2.73E-02	5.51E-05	--
9424	639836.2	4171348.9	Worker	Scenario 1	2.80E-02	5.66E-05	--
9425	639936.2	4171348.9	Worker	Scenario 1	2.87E-02	5.80E-05	--
9426	640036.2	4171348.9	Worker	Scenario 1	2.94E-02	5.95E-05	--
9427	640136.2	4171348.9	Worker	Scenario 1	3.02E-02	6.09E-05	--
9428	640236.2	4171348.9	Worker	Scenario 1	3.08E-02	6.23E-05	--
9429	640336.2	4171348.9	Worker	Scenario 1	3.15E-02	6.36E-05	--
9430	640436.2	4171348.9	Worker	Scenario 1	3.21E-02	6.48E-05	--
9431	640536.2	4171348.9	Worker	Scenario 1	3.27E-02	6.60E-05	--
9432	640636.2	4171348.9	Worker	Scenario 1	3.33E-02	6.72E-05	--
9433	640736.2	4171348.9	Worker	Scenario 1	3.38E-02	6.83E-05	--
9434	640836.2	4171348.9	Worker	Scenario 1	3.44E-02	6.94E-05	--
9435	640936.2	4171348.9	Worker	Scenario 1	3.49E-02	7.04E-05	--
9436	641036.2	4171348.9	Worker	Scenario 1	3.52E-02	7.12E-05	--
9437	641136.2	4171348.9	Worker	Scenario 1	3.55E-02	7.17E-05	--
9438	641236.2	4171348.9	Worker	Scenario 1	3.58E-02	7.22E-05	--
9439	641336.2	4171348.9	Worker	Scenario 1	3.60E-02	7.28E-05	--
9440	641436.2	4171348.9	Worker	Scenario 1	3.63E-02	7.34E-05	--
9441	641536.2	4171348.9	Worker	Scenario 1	3.65E-02	7.38E-05	--
9442	641636.2	4171348.9	Worker	Scenario 1	3.69E-02	7.45E-05	--
9443	641736.2	4171348.9	Worker	Scenario 1	3.73E-02	7.53E-05	--
9444	641836.2	4171348.9	Worker	Scenario 1	3.78E-02	7.63E-05	--
9445	641936.2	4171348.9	Worker	Scenario 1	3.83E-02	7.73E-05	--
9446	642036.2	4171348.9	Worker	Scenario 1	3.88E-02	7.83E-05	--
9447	642136.2	4171348.9	Worker	Scenario 1	3.90E-02	7.88E-05	--
9448	642236.2	4171348.9	Worker	Scenario 1	3.92E-02	7.91E-05	--
9449	642336.2	4171348.9	Worker	Scenario 1	3.91E-02	7.90E-05	--
9450	642436.2	4171348.9	Worker	Scenario 1	3.89E-02	7.85E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9451	642536.2	4171348.9	Worker	Scenario 1	3.85E-02	7.77E-05	--
9452	642636.2	4171348.9	Worker	Scenario 1	3.80E-02	7.68E-05	--
9453	642736.2	4171348.9	Worker	Scenario 1	3.76E-02	7.60E-05	--
9454	642836.2	4171348.9	Worker	Scenario 1	3.73E-02	7.53E-05	--
9455	636236.2	4171448.9	Worker	Scenario 1	9.85E-03	1.99E-05	--
9456	636636.2	4171448.9	Worker	Scenario 1	1.15E-02	2.33E-05	--
9457	636736.2	4171448.9	Worker	Scenario 1	1.22E-02	2.46E-05	--
9458	636836.2	4171448.9	Worker	Scenario 1	1.21E-02	2.45E-05	--
9459	636936.2	4171448.9	Worker	Scenario 1	1.24E-02	2.51E-05	--
9460	637036.2	4171448.9	Worker	Scenario 1	1.25E-02	2.52E-05	--
9461	637136.2	4171448.9	Worker	Scenario 1	1.30E-02	2.62E-05	--
9462	637236.2	4171448.9	Worker	Scenario 1	1.34E-02	2.71E-05	--
9463	637336.2	4171448.9	Worker	Scenario 1	1.34E-02	2.70E-05	--
9464	638036.2	4171448.9	Worker	Scenario 1	1.64E-02	3.31E-05	--
9465	638136.2	4171448.9	Worker	Scenario 1	1.68E-02	3.39E-05	--
9466	638236.2	4171448.9	Worker	Scenario 1	1.77E-02	3.58E-05	--
9467	638336.2	4171448.9	Worker	Scenario 1	1.82E-02	3.68E-05	--
9468	638436.2	4171448.9	Worker	Scenario 1	1.89E-02	3.81E-05	--
9469	638536.2	4171448.9	Worker	Scenario 1	1.94E-02	3.92E-05	--
9470	638636.2	4171448.9	Worker	Scenario 1	2.00E-02	4.04E-05	--
9471	638736.2	4171448.9	Worker	Scenario 1	2.06E-02	4.15E-05	--
9472	638836.2	4171448.9	Worker	Scenario 1	2.12E-02	4.29E-05	--
9473	638936.2	4171448.9	Worker	Scenario 1	2.18E-02	4.39E-05	--
9474	639036.2	4171448.9	Worker	Scenario 1	2.23E-02	4.49E-05	--
9475	639136.2	4171448.9	Worker	Scenario 1	2.28E-02	4.61E-05	--
9476	639236.2	4171448.9	Worker	Scenario 1	2.35E-02	4.75E-05	--
9477	639336.2	4171448.9	Worker	Scenario 1	2.42E-02	4.90E-05	--
9478	639436.2	4171448.9	Worker	Scenario 1	2.48E-02	5.01E-05	--
9479	639536.2	4171448.9	Worker	Scenario 1	2.53E-02	5.11E-05	--
9480	639636.2	4171448.9	Worker	Scenario 1	2.62E-02	5.30E-05	--
9481	639736.2	4171448.9	Worker	Scenario 1	2.68E-02	5.41E-05	--
9482	639836.2	4171448.9	Worker	Scenario 1	2.75E-02	5.55E-05	--
9483	639936.2	4171448.9	Worker	Scenario 1	2.81E-02	5.68E-05	--
9484	640036.2	4171448.9	Worker	Scenario 1	2.88E-02	5.81E-05	--
9485	640136.2	4171448.9	Worker	Scenario 1	2.94E-02	5.94E-05	--
9486	640236.2	4171448.9	Worker	Scenario 1	3.00E-02	6.06E-05	--
9487	640336.2	4171448.9	Worker	Scenario 1	3.06E-02	6.18E-05	--
9488	640436.2	4171448.9	Worker	Scenario 1	3.11E-02	6.29E-05	--
9489	640536.2	4171448.9	Worker	Scenario 1	3.17E-02	6.39E-05	--
9490	640636.2	4171448.9	Worker	Scenario 1	3.22E-02	6.50E-05	--
9491	640736.2	4171448.9	Worker	Scenario 1	3.27E-02	6.60E-05	--
9492	640836.2	4171448.9	Worker	Scenario 1	3.32E-02	6.70E-05	--
9493	640936.2	4171448.9	Worker	Scenario 1	3.36E-02	6.79E-05	--
9494	641036.2	4171448.9	Worker	Scenario 1	3.39E-02	6.85E-05	--
9495	641136.2	4171448.9	Worker	Scenario 1	3.41E-02	6.90E-05	--
9496	641236.2	4171448.9	Worker	Scenario 1	3.44E-02	6.95E-05	--
9497	641336.2	4171448.9	Worker	Scenario 1	3.46E-02	6.99E-05	--
9498	641436.2	4171448.9	Worker	Scenario 1	3.49E-02	7.05E-05	--
9499	641536.2	4171448.9	Worker	Scenario 1	3.52E-02	7.10E-05	--
9500	641636.2	4171448.9	Worker	Scenario 1	3.55E-02	7.18E-05	--
9501	641736.2	4171448.9	Worker	Scenario 1	3.60E-02	7.27E-05	--
9502	641836.2	4171448.9	Worker	Scenario 1	3.65E-02	7.37E-05	--
9503	641936.2	4171448.9	Worker	Scenario 1	3.70E-02	7.47E-05	--
9504	642036.2	4171448.9	Worker	Scenario 1	3.74E-02	7.56E-05	--
9505	642136.2	4171448.9	Worker	Scenario 1	3.78E-02	7.63E-05	--
9506	642236.2	4171448.9	Worker	Scenario 1	3.78E-02	7.64E-05	--
9507	642336.2	4171448.9	Worker	Scenario 1	3.77E-02	7.62E-05	--
9508	642436.2	4171448.9	Worker	Scenario 1	3.74E-02	7.55E-05	--
9509	642536.2	4171448.9	Worker	Scenario 1	3.70E-02	7.47E-05	--
9510	642636.2	4171448.9	Worker	Scenario 1	3.66E-02	7.39E-05	--
9511	636536.2	4171548.9	Worker	Scenario 1	1.16E-02	2.35E-05	--
9512	636636.2	4171548.9	Worker	Scenario 1	1.19E-02	2.41E-05	--
9513	636736.2	4171548.9	Worker	Scenario 1	1.22E-02	2.46E-05	--
9514	636836.2	4171548.9	Worker	Scenario 1	1.24E-02	2.51E-05	--
9515	636936.2	4171548.9	Worker	Scenario 1	1.25E-02	2.52E-05	--
9516	637036.2	4171548.9	Worker	Scenario 1	1.29E-02	2.61E-05	--
9517	637136.2	4171548.9	Worker	Scenario 1	1.29E-02	2.61E-05	--
9518	637236.2	4171548.9	Worker	Scenario 1	1.30E-02	2.63E-05	--
9519	637936.2	4171548.9	Worker	Scenario 1	1.59E-02	3.22E-05	--
9520	638036.2	4171548.9	Worker	Scenario 1	1.65E-02	3.33E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
9521	638136.2	4171548.9	Worker	Scenario 1	1.65E-02	3.33E-05	--
9522	638236.2	4171548.9	Worker	Scenario 1	1.77E-02	3.57E-05	--
9523	638336.2	4171548.9	Worker	Scenario 1	1.82E-02	3.68E-05	--
9524	638436.2	4171548.9	Worker	Scenario 1	1.88E-02	3.79E-05	--
9525	638536.2	4171548.9	Worker	Scenario 1	1.80E-02	3.64E-05	--
9526	638636.2	4171548.9	Worker	Scenario 1	1.97E-02	3.97E-05	--
9527	638736.2	4171548.9	Worker	Scenario 1	2.04E-02	4.13E-05	--
9528	638836.2	4171548.9	Worker	Scenario 1	2.09E-02	4.23E-05	--
9529	638936.2	4171548.9	Worker	Scenario 1	2.15E-02	4.34E-05	--
9530	639036.2	4171548.9	Worker	Scenario 1	2.19E-02	4.43E-05	--
9531	639136.2	4171548.9	Worker	Scenario 1	2.25E-02	4.55E-05	--
9532	639236.2	4171548.9	Worker	Scenario 1	2.30E-02	4.64E-05	--
9533	639336.2	4171548.9	Worker	Scenario 1	2.39E-02	4.82E-05	--
9534	639436.2	4171548.9	Worker	Scenario 1	2.45E-02	4.94E-05	--
9535	639536.2	4171548.9	Worker	Scenario 1	2.50E-02	5.06E-05	--
9536	639636.2	4171548.9	Worker	Scenario 1	2.57E-02	5.19E-05	--
9537	639736.2	4171548.9	Worker	Scenario 1	2.63E-02	5.31E-05	--
9538	639836.2	4171548.9	Worker	Scenario 1	2.69E-02	5.43E-05	--
9539	639936.2	4171548.9	Worker	Scenario 1	2.75E-02	5.55E-05	--
9540	640036.2	4171548.9	Worker	Scenario 1	2.81E-02	5.67E-05	--
9541	640136.2	4171548.9	Worker	Scenario 1	2.86E-02	5.79E-05	--
9542	640236.2	4171548.9	Worker	Scenario 1	2.92E-02	5.90E-05	--
9543	640336.2	4171548.9	Worker	Scenario 1	2.97E-02	6.00E-05	--
9544	640436.2	4171548.9	Worker	Scenario 1	3.02E-02	6.10E-05	--
9545	640536.2	4171548.9	Worker	Scenario 1	3.07E-02	6.20E-05	--
9546	640636.2	4171548.9	Worker	Scenario 1	3.12E-02	6.30E-05	--
9547	640736.2	4171548.9	Worker	Scenario 1	3.16E-02	6.39E-05	--
9548	640836.2	4171548.9	Worker	Scenario 1	3.21E-02	6.48E-05	--
9549	640936.2	4171548.9	Worker	Scenario 1	3.24E-02	6.55E-05	--
9550	641036.2	4171548.9	Worker	Scenario 1	3.27E-02	6.60E-05	--
9551	641136.2	4171548.9	Worker	Scenario 1	3.29E-02	6.64E-05	--
9552	641236.2	4171548.9	Worker	Scenario 1	3.31E-02	6.69E-05	--
9553	641336.2	4171548.9	Worker	Scenario 1	3.33E-02	6.73E-05	--
9554	641436.2	4171548.9	Worker	Scenario 1	3.36E-02	6.79E-05	--
9555	641536.2	4171548.9	Worker	Scenario 1	3.39E-02	6.85E-05	--
9556	641636.2	4171548.9	Worker	Scenario 1	3.43E-02	6.93E-05	--
9557	641736.2	4171548.9	Worker	Scenario 1	3.48E-02	7.03E-05	--
9558	641836.2	4171548.9	Worker	Scenario 1	3.53E-02	7.13E-05	--
9559	641936.2	4171548.9	Worker	Scenario 1	3.58E-02	7.23E-05	--
9560	642036.2	4171548.9	Worker	Scenario 1	3.62E-02	7.31E-05	--
9561	642136.2	4171548.9	Worker	Scenario 1	3.64E-02	7.35E-05	--
9562	642236.2	4171548.9	Worker	Scenario 1	3.65E-02	7.37E-05	--
9563	642336.2	4171548.9	Worker	Scenario 1	3.64E-02	7.35E-05	--
9564	642436.2	4171548.9	Worker	Scenario 1	3.61E-02	7.30E-05	--
9565	642536.2	4171548.9	Worker	Scenario 1	3.58E-02	7.23E-05	--
9566	636336.2	4171648.9	Worker	Scenario 1	1.03E-02	2.08E-05	--
9567	636536.2	4171648.9	Worker	Scenario 1	1.16E-02	2.34E-05	--
9568	636636.2	4171648.9	Worker	Scenario 1	1.18E-02	2.39E-05	--
9569	636736.2	4171648.9	Worker	Scenario 1	1.20E-02	2.43E-05	--
9570	636836.2	4171648.9	Worker	Scenario 1	1.24E-02	2.50E-05	--
9571	636936.2	4171648.9	Worker	Scenario 1	1.26E-02	2.54E-05	--
9572	637036.2	4171648.9	Worker	Scenario 1	1.26E-02	2.55E-05	--
9573	637136.2	4171648.9	Worker	Scenario 1	1.29E-02	2.61E-05	--
9574	637236.2	4171648.9	Worker	Scenario 1	1.30E-02	2.62E-05	--
9575	637536.2	4171648.9	Worker	Scenario 1	1.40E-02	2.83E-05	--
9576	637636.2	4171648.9	Worker	Scenario 1	1.45E-02	2.93E-05	--
9577	637736.2	4171648.9	Worker	Scenario 1	1.50E-02	3.02E-05	--
9578	637836.2	4171648.9	Worker	Scenario 1	1.55E-02	3.12E-05	--
9579	637936.2	4171648.9	Worker	Scenario 1	1.60E-02	3.23E-05	--
9580	638036.2	4171648.9	Worker	Scenario 1	1.65E-02	3.33E-05	--
9581	638136.2	4171648.9	Worker	Scenario 1	1.62E-02	3.27E-05	--
9582	638236.2	4171648.9	Worker	Scenario 1	1.67E-02	3.37E-05	--
9583	638336.2	4171648.9	Worker	Scenario 1	1.80E-02	3.64E-05	--
9584	638436.2	4171648.9	Worker	Scenario 1	1.85E-02	3.73E-05	--
9585	638536.2	4171648.9	Worker	Scenario 1	1.79E-02	3.62E-05	--
9586	638636.2	4171648.9	Worker	Scenario 1	1.87E-02	3.78E-05	--
9587	638736.2	4171648.9	Worker	Scenario 1	1.91E-02	3.85E-05	--
9588	638836.2	4171648.9	Worker	Scenario 1	2.06E-02	4.17E-05	--
9589	638936.2	4171648.9	Worker	Scenario 1	2.11E-02	4.27E-05	--
9590	639036.2	4171648.9	Worker	Scenario 1	2.17E-02	4.39E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9591	639136.2	4171648.9	Worker	Scenario 1	2.24E-02	4.52E-05	--
9592	639236.2	4171648.9	Worker	Scenario 1	2.30E-02	4.64E-05	--
9593	639336.2	4171648.9	Worker	Scenario 1	2.35E-02	4.74E-05	--
9594	639436.2	4171648.9	Worker	Scenario 1	2.40E-02	4.86E-05	--
9595	639536.2	4171648.9	Worker	Scenario 1	2.46E-02	4.97E-05	--
9596	639636.2	4171648.9	Worker	Scenario 1	2.52E-02	5.09E-05	--
9597	639736.2	4171648.9	Worker	Scenario 1	2.58E-02	5.21E-05	--
9598	639836.2	4171648.9	Worker	Scenario 1	2.63E-02	5.31E-05	--
9599	639936.2	4171648.9	Worker	Scenario 1	2.69E-02	5.43E-05	--
9600	640036.2	4171648.9	Worker	Scenario 1	2.74E-02	5.53E-05	--
9601	640136.2	4171648.9	Worker	Scenario 1	2.79E-02	5.64E-05	--
9602	640236.2	4171648.9	Worker	Scenario 1	2.84E-02	5.73E-05	--
9603	640336.2	4171648.9	Worker	Scenario 1	2.89E-02	5.83E-05	--
9604	640436.2	4171648.9	Worker	Scenario 1	2.93E-02	5.92E-05	--
9605	640536.2	4171648.9	Worker	Scenario 1	2.98E-02	6.01E-05	--
9606	640636.2	4171648.9	Worker	Scenario 1	3.02E-02	6.10E-05	--
9607	640736.2	4171648.9	Worker	Scenario 1	3.06E-02	6.19E-05	--
9608	640836.2	4171648.9	Worker	Scenario 1	3.10E-02	6.26E-05	--
9609	640936.2	4171648.9	Worker	Scenario 1	3.13E-02	6.33E-05	--
9610	641036.2	4171648.9	Worker	Scenario 1	3.15E-02	6.37E-05	--
9611	641136.2	4171648.9	Worker	Scenario 1	3.17E-02	6.40E-05	--
9612	641236.2	4171648.9	Worker	Scenario 1	3.19E-02	6.45E-05	--
9613	641336.2	4171648.9	Worker	Scenario 1	3.22E-02	6.50E-05	--
9614	641436.2	4171648.9	Worker	Scenario 1	3.25E-02	6.56E-05	--
9615	641536.2	4171648.9	Worker	Scenario 1	3.27E-02	6.61E-05	--
9616	641636.2	4171648.9	Worker	Scenario 1	3.32E-02	6.70E-05	--
9617	641736.2	4171648.9	Worker	Scenario 1	3.37E-02	6.80E-05	--
9618	641836.2	4171648.9	Worker	Scenario 1	3.42E-02	6.91E-05	--
9619	641936.2	4171648.9	Worker	Scenario 1	3.47E-02	7.00E-05	--
9620	642036.2	4171648.9	Worker	Scenario 1	3.50E-02	7.07E-05	--
9621	642136.2	4171648.9	Worker	Scenario 1	3.52E-02	7.11E-05	--
9622	642236.2	4171648.9	Worker	Scenario 1	3.52E-02	7.12E-05	--
9623	642336.2	4171648.9	Worker	Scenario 1	3.51E-02	7.10E-05	--
9624	636336.2	4171748.9	Worker	Scenario 1	1.04E-02	2.09E-05	--
9625	636536.2	4171748.9	Worker	Scenario 1	1.15E-02	2.32E-05	--
9626	636636.2	4171748.9	Worker	Scenario 1	1.17E-02	2.37E-05	--
9627	636736.2	4171748.9	Worker	Scenario 1	1.20E-02	2.42E-05	--
9628	636836.2	4171748.9	Worker	Scenario 1	1.23E-02	2.48E-05	--
9629	636936.2	4171748.9	Worker	Scenario 1	1.25E-02	2.53E-05	--
9630	637036.2	4171748.9	Worker	Scenario 1	1.27E-02	2.57E-05	--
9631	637136.2	4171748.9	Worker	Scenario 1	1.28E-02	2.59E-05	--
9632	637336.2	4171748.9	Worker	Scenario 1	1.34E-02	2.70E-05	--
9633	637436.2	4171748.9	Worker	Scenario 1	1.36E-02	2.75E-05	--
9634	637536.2	4171748.9	Worker	Scenario 1	1.41E-02	2.85E-05	--
9635	637636.2	4171748.9	Worker	Scenario 1	1.45E-02	2.93E-05	--
9636	637736.2	4171748.9	Worker	Scenario 1	1.49E-02	3.01E-05	--
9637	637836.2	4171748.9	Worker	Scenario 1	1.54E-02	3.12E-05	--
9638	637936.2	4171748.9	Worker	Scenario 1	1.60E-02	3.24E-05	--
9639	638036.2	4171748.9	Worker	Scenario 1	1.66E-02	3.35E-05	--
9640	638136.2	4171748.9	Worker	Scenario 1	1.61E-02	3.25E-05	--
9641	638236.2	4171748.9	Worker	Scenario 1	1.66E-02	3.35E-05	--
9642	638336.2	4171748.9	Worker	Scenario 1	1.71E-02	3.45E-05	--
9643	638436.2	4171748.9	Worker	Scenario 1	1.83E-02	3.71E-05	--
9644	638536.2	4171748.9	Worker	Scenario 1	1.84E-02	3.71E-05	--
9645	638636.2	4171748.9	Worker	Scenario 1	1.85E-02	3.75E-05	--
9646	638736.2	4171748.9	Worker	Scenario 1	1.90E-02	3.83E-05	--
9647	638836.2	4171748.9	Worker	Scenario 1	2.05E-02	4.13E-05	--
9648	638936.2	4171748.9	Worker	Scenario 1	2.05E-02	4.15E-05	--
9649	639036.2	4171748.9	Worker	Scenario 1	2.07E-02	4.19E-05	--
9650	639136.2	4171748.9	Worker	Scenario 1	2.15E-02	4.33E-05	--
9651	639236.2	4171748.9	Worker	Scenario 1	2.16E-02	4.36E-05	--
9652	639336.2	4171748.9	Worker	Scenario 1	2.30E-02	4.65E-05	--
9653	639436.2	4171748.9	Worker	Scenario 1	2.35E-02	4.74E-05	--
9654	639536.2	4171748.9	Worker	Scenario 1	2.40E-02	4.84E-05	--
9655	639636.2	4171748.9	Worker	Scenario 1	2.47E-02	4.98E-05	--
9656	639736.2	4171748.9	Worker	Scenario 1	2.52E-02	5.08E-05	--
9657	639836.2	4171748.9	Worker	Scenario 1	2.55E-02	5.15E-05	--
9658	639936.2	4171748.9	Worker	Scenario 1	2.61E-02	5.26E-05	--
9659	640036.2	4171748.9	Worker	Scenario 1	2.65E-02	5.35E-05	--
9660	640136.2	4171748.9	Worker	Scenario 1	2.68E-02	5.42E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9661	640236.2	4171748.9	Worker	Scenario 1	2.71E-02	5.48E-05	--
9662	640336.2	4171748.9	Worker	Scenario 1	2.76E-02	5.57E-05	--
9663	640436.2	4171748.9	Worker	Scenario 1	2.85E-02	5.75E-05	--
9664	640536.2	4171748.9	Worker	Scenario 1	2.88E-02	5.83E-05	--
9665	640636.2	4171748.9	Worker	Scenario 1	2.93E-02	5.91E-05	--
9666	640736.2	4171748.9	Worker	Scenario 1	2.97E-02	5.99E-05	--
9667	640836.2	4171748.9	Worker	Scenario 1	3.00E-02	6.06E-05	--
9668	640936.2	4171748.9	Worker	Scenario 1	3.02E-02	6.11E-05	--
9669	641036.2	4171748.9	Worker	Scenario 1	3.04E-02	6.14E-05	--
9670	641136.2	4171748.9	Worker	Scenario 1	3.06E-02	6.17E-05	--
9671	641236.2	4171748.9	Worker	Scenario 1	3.08E-02	6.22E-05	--
9672	641336.2	4171748.9	Worker	Scenario 1	3.10E-02	6.27E-05	--
9673	641436.2	4171748.9	Worker	Scenario 1	3.13E-02	6.33E-05	--
9674	641536.2	4171748.9	Worker	Scenario 1	3.17E-02	6.40E-05	--
9675	641636.2	4171748.9	Worker	Scenario 1	3.22E-02	6.49E-05	--
9676	641736.2	4171748.9	Worker	Scenario 1	3.27E-02	6.60E-05	--
9677	641836.2	4171748.9	Worker	Scenario 1	3.32E-02	6.70E-05	--
9678	641936.2	4171748.9	Worker	Scenario 1	3.36E-02	6.78E-05	--
9679	642036.2	4171748.9	Worker	Scenario 1	3.39E-02	6.84E-05	--
9680	636536.2	4171848.9	Worker	Scenario 1	1.15E-02	2.32E-05	--
9681	636636.2	4171848.9	Worker	Scenario 1	1.17E-02	2.37E-05	--
9682	636736.2	4171848.9	Worker	Scenario 1	1.18E-02	2.39E-05	--
9683	636836.2	4171848.9	Worker	Scenario 1	1.21E-02	2.45E-05	--
9684	636936.2	4171848.9	Worker	Scenario 1	1.25E-02	2.53E-05	--
9685	637036.2	4171848.9	Worker	Scenario 1	1.24E-02	2.49E-05	--
9686	637236.2	4171848.9	Worker	Scenario 1	1.30E-02	2.63E-05	--
9687	637336.2	4171848.9	Worker	Scenario 1	1.34E-02	2.70E-05	--
9688	637436.2	4171848.9	Worker	Scenario 1	1.38E-02	2.79E-05	--
9689	637536.2	4171848.9	Worker	Scenario 1	1.41E-02	2.86E-05	--
9690	637636.2	4171848.9	Worker	Scenario 1	1.45E-02	2.94E-05	--
9691	637736.2	4171848.9	Worker	Scenario 1	1.50E-02	3.04E-05	--
9692	637836.2	4171848.9	Worker	Scenario 1	1.57E-02	3.16E-05	--
9693	637936.2	4171848.9	Worker	Scenario 1	1.61E-02	3.25E-05	--
9694	638036.2	4171848.9	Worker	Scenario 1	1.65E-02	3.34E-05	--
9695	638136.2	4171848.9	Worker	Scenario 1	1.60E-02	3.23E-05	--
9696	638236.2	4171848.9	Worker	Scenario 1	1.66E-02	3.34E-05	--
9697	638336.2	4171848.9	Worker	Scenario 1	1.71E-02	3.46E-05	--
9698	638436.2	4171848.9	Worker	Scenario 1	1.75E-02	3.54E-05	--
9699	638536.2	4171848.9	Worker	Scenario 1	1.86E-02	3.76E-05	--
9700	638636.2	4171848.9	Worker	Scenario 1	1.87E-02	3.77E-05	--
9701	638736.2	4171848.9	Worker	Scenario 1	1.89E-02	3.83E-05	--
9702	638836.2	4171848.9	Worker	Scenario 1	2.03E-02	4.09E-05	--
9703	638936.2	4171848.9	Worker	Scenario 1	2.05E-02	4.13E-05	--
9704	639036.2	4171848.9	Worker	Scenario 1	2.07E-02	4.19E-05	--
9705	639136.2	4171848.9	Worker	Scenario 1	2.11E-02	4.26E-05	--
9706	639236.2	4171848.9	Worker	Scenario 1	2.14E-02	4.32E-05	--
9707	639336.2	4171848.9	Worker	Scenario 1	2.24E-02	4.52E-05	--
9708	639436.2	4171848.9	Worker	Scenario 1	2.29E-02	4.63E-05	--
9709	639536.2	4171848.9	Worker	Scenario 1	2.35E-02	4.74E-05	--
9710	639636.2	4171848.9	Worker	Scenario 1	2.42E-02	4.89E-05	--
9711	639736.2	4171848.9	Worker	Scenario 1	2.47E-02	4.98E-05	--
9712	639836.2	4171848.9	Worker	Scenario 1	2.42E-02	4.89E-05	--
9713	639936.2	4171848.9	Worker	Scenario 1	2.47E-02	4.99E-05	--
9714	640036.2	4171848.9	Worker	Scenario 1	2.51E-02	5.08E-05	--
9715	640136.2	4171848.9	Worker	Scenario 1	2.56E-02	5.16E-05	--
9716	640236.2	4171848.9	Worker	Scenario 1	2.60E-02	5.25E-05	--
9717	640336.2	4171848.9	Worker	Scenario 1	2.64E-02	5.33E-05	--
9718	640436.2	4171848.9	Worker	Scenario 1	2.77E-02	5.59E-05	--
9719	640536.2	4171848.9	Worker	Scenario 1	2.80E-02	5.66E-05	--
9720	640636.2	4171848.9	Worker	Scenario 1	2.84E-02	5.74E-05	--
9721	640736.2	4171848.9	Worker	Scenario 1	2.88E-02	5.81E-05	--
9722	640836.2	4171848.9	Worker	Scenario 1	2.91E-02	5.87E-05	--
9723	640936.2	4171848.9	Worker	Scenario 1	2.92E-02	5.91E-05	--
9724	641036.2	4171848.9	Worker	Scenario 1	2.94E-02	5.94E-05	--
9725	641136.2	4171848.9	Worker	Scenario 1	2.95E-02	5.96E-05	--
9726	641236.2	4171848.9	Worker	Scenario 1	2.98E-02	6.01E-05	--
9727	641336.2	4171848.9	Worker	Scenario 1	3.00E-02	6.06E-05	--
9728	641436.2	4171848.9	Worker	Scenario 1	3.03E-02	6.12E-05	--
9729	641536.2	4171848.9	Worker	Scenario 1	3.07E-02	6.20E-05	--
9730	641636.2	4171848.9	Worker	Scenario 1	3.12E-02	6.29E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9731	636536.2	4171948.9	Worker	Scenario 1	1.14E-02	2.31E-05	--
9732	636636.2	4171948.9	Worker	Scenario 1	1.16E-02	2.34E-05	--
9733	636736.2	4171948.9	Worker	Scenario 1	1.18E-02	2.38E-05	--
9734	636836.2	4171948.9	Worker	Scenario 1	1.21E-02	2.45E-05	--
9735	636936.2	4171948.9	Worker	Scenario 1	1.20E-02	2.43E-05	--
9736	637236.2	4171948.9	Worker	Scenario 1	1.31E-02	2.65E-05	--
9737	637336.2	4171948.9	Worker	Scenario 1	1.34E-02	2.71E-05	--
9738	637436.2	4171948.9	Worker	Scenario 1	1.38E-02	2.79E-05	--
9739	637536.2	4171948.9	Worker	Scenario 1	1.42E-02	2.87E-05	--
9740	637636.2	4171948.9	Worker	Scenario 1	1.46E-02	2.96E-05	--
9741	637736.2	4171948.9	Worker	Scenario 1	1.51E-02	3.06E-05	--
9742	637836.2	4171948.9	Worker	Scenario 1	1.56E-02	3.14E-05	--
9743	637936.2	4171948.9	Worker	Scenario 1	1.60E-02	3.23E-05	--
9744	638136.2	4171948.9	Worker	Scenario 1	1.59E-02	3.22E-05	--
9745	638236.2	4171948.9	Worker	Scenario 1	1.64E-02	3.32E-05	--
9746	638336.2	4171948.9	Worker	Scenario 1	1.70E-02	3.44E-05	--
9747	638436.2	4171948.9	Worker	Scenario 1	1.75E-02	3.54E-05	--
9748	638536.2	4171948.9	Worker	Scenario 1	1.78E-02	3.60E-05	--
9749	638636.2	4171948.9	Worker	Scenario 1	1.86E-02	3.76E-05	--
9750	638736.2	4171948.9	Worker	Scenario 1	1.91E-02	3.86E-05	--
9751	638836.2	4171948.9	Worker	Scenario 1	1.99E-02	4.03E-05	--
9752	638936.2	4171948.9	Worker	Scenario 1	1.98E-02	4.00E-05	--
9753	639036.2	4171948.9	Worker	Scenario 1	1.99E-02	4.01E-05	--
9754	639136.2	4171948.9	Worker	Scenario 1	2.03E-02	4.10E-05	--
9755	639236.2	4171948.9	Worker	Scenario 1	2.11E-02	4.26E-05	--
9756	639336.2	4171948.9	Worker	Scenario 1	2.20E-02	4.44E-05	--
9757	639436.2	4171948.9	Worker	Scenario 1	2.24E-02	4.53E-05	--
9758	639536.2	4171948.9	Worker	Scenario 1	2.30E-02	4.64E-05	--
9759	639636.2	4171948.9	Worker	Scenario 1	2.37E-02	4.79E-05	--
9760	639736.2	4171948.9	Worker	Scenario 1	2.41E-02	4.87E-05	--
9761	639836.2	4171948.9	Worker	Scenario 1	2.37E-02	4.79E-05	--
9762	639936.2	4171948.9	Worker	Scenario 1	2.41E-02	4.87E-05	--
9763	640036.2	4171948.9	Worker	Scenario 1	2.45E-02	4.95E-05	--
9764	640136.2	4171948.9	Worker	Scenario 1	2.49E-02	5.03E-05	--
9765	640236.2	4171948.9	Worker	Scenario 1	2.53E-02	5.11E-05	--
9766	640336.2	4171948.9	Worker	Scenario 1	2.57E-02	5.19E-05	--
9767	636736.2	4172048.9	Worker	Scenario 1	1.16E-02	2.35E-05	--
9768	636836.2	4172048.9	Worker	Scenario 1	1.23E-02	2.48E-05	--
9769	637236.2	4172048.9	Worker	Scenario 1	1.32E-02	2.66E-05	--
9770	637336.2	4172048.9	Worker	Scenario 1	1.35E-02	2.73E-05	--
9771	637436.2	4172048.9	Worker	Scenario 1	1.39E-02	2.80E-05	--
9772	637536.2	4172048.9	Worker	Scenario 1	1.43E-02	2.88E-05	--
9773	637636.2	4172048.9	Worker	Scenario 1	1.47E-02	2.97E-05	--
9774	637736.2	4172048.9	Worker	Scenario 1	1.51E-02	3.05E-05	--
9775	637836.2	4172048.9	Worker	Scenario 1	1.55E-02	3.14E-05	--
9776	637936.2	4172048.9	Worker	Scenario 1	1.59E-02	3.21E-05	--
9777	638136.2	4172048.9	Worker	Scenario 1	1.58E-02	3.20E-05	--
9778	638236.2	4172048.9	Worker	Scenario 1	1.63E-02	3.30E-05	--
9779	638336.2	4172048.9	Worker	Scenario 1	1.69E-02	3.41E-05	--
9780	638436.2	4172048.9	Worker	Scenario 1	1.73E-02	3.50E-05	--
9781	638536.2	4172048.9	Worker	Scenario 1	1.78E-02	3.59E-05	--
9782	638636.2	4172048.9	Worker	Scenario 1	1.82E-02	3.67E-05	--
9783	638736.2	4172048.9	Worker	Scenario 1	1.86E-02	3.77E-05	--
9784	638836.2	4172048.9	Worker	Scenario 1	1.97E-02	3.97E-05	--
9785	638936.2	4172048.9	Worker	Scenario 1	1.90E-02	3.83E-05	--
9786	639036.2	4172048.9	Worker	Scenario 1	2.00E-02	4.05E-05	--
9787	639136.2	4172048.9	Worker	Scenario 1	2.00E-02	4.04E-05	--
9788	639236.2	4172048.9	Worker	Scenario 1	2.15E-02	4.34E-05	--
9789	639336.2	4172048.9	Worker	Scenario 1	2.16E-02	4.35E-05	--
9790	639436.2	4172048.9	Worker	Scenario 1	2.20E-02	4.44E-05	--
9791	639536.2	4172048.9	Worker	Scenario 1	2.25E-02	4.54E-05	--
9792	639636.2	4172048.9	Worker	Scenario 1	2.32E-02	4.69E-05	--
9793	639736.2	4172048.9	Worker	Scenario 1	2.36E-02	4.77E-05	--
9794	639836.2	4172048.9	Worker	Scenario 1	2.32E-02	4.68E-05	--
9795	639936.2	4172048.9	Worker	Scenario 1	2.36E-02	4.76E-05	--
9796	640036.2	4172048.9	Worker	Scenario 1	2.39E-02	4.83E-05	--
9797	640136.2	4172048.9	Worker	Scenario 1	2.43E-02	4.91E-05	--
9798	637136.2	4172148.9	Worker	Scenario 1	1.30E-02	2.62E-05	--
9799	637236.2	4172148.9	Worker	Scenario 1	1.33E-02	2.70E-05	--
9800	637336.2	4172148.9	Worker	Scenario 1	1.35E-02	2.72E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9801	637436.2	4172148.9	Worker	Scenario 1	1.40E-02	2.83E-05	--
9802	637536.2	4172148.9	Worker	Scenario 1	1.43E-02	2.89E-05	--
9803	637636.2	4172148.9	Worker	Scenario 1	1.47E-02	2.97E-05	--
9804	637736.2	4172148.9	Worker	Scenario 1	1.51E-02	3.04E-05	--
9805	637836.2	4172148.9	Worker	Scenario 1	1.54E-02	3.11E-05	--
9806	637936.2	4172148.9	Worker	Scenario 1	1.58E-02	3.19E-05	--
9807	638136.2	4172148.9	Worker	Scenario 1	1.57E-02	3.17E-05	--
9808	638236.2	4172148.9	Worker	Scenario 1	1.62E-02	3.27E-05	--
9809	638336.2	4172148.9	Worker	Scenario 1	1.67E-02	3.37E-05	--
9810	638436.2	4172148.9	Worker	Scenario 1	1.72E-02	3.47E-05	--
9811	638536.2	4172148.9	Worker	Scenario 1	1.76E-02	3.56E-05	--
9812	638636.2	4172148.9	Worker	Scenario 1	1.81E-02	3.65E-05	--
9813	638736.2	4172148.9	Worker	Scenario 1	1.86E-02	3.75E-05	--
9814	638836.2	4172148.9	Worker	Scenario 1	1.92E-02	3.88E-05	--
9815	638936.2	4172148.9	Worker	Scenario 1	1.98E-02	4.00E-05	--
9816	639036.2	4172148.9	Worker	Scenario 1	1.93E-02	3.90E-05	--
9817	639136.2	4172148.9	Worker	Scenario 1	2.04E-02	4.12E-05	--
9818	639236.2	4172148.9	Worker	Scenario 1	2.07E-02	4.19E-05	--
9819	639336.2	4172148.9	Worker	Scenario 1	2.11E-02	4.27E-05	--
9820	639436.2	4172148.9	Worker	Scenario 1	2.15E-02	4.35E-05	--
9821	639536.2	4172148.9	Worker	Scenario 1	2.20E-02	4.44E-05	--
9822	639636.2	4172148.9	Worker	Scenario 1	2.27E-02	4.59E-05	--
9823	639736.2	4172148.9	Worker	Scenario 1	2.31E-02	4.66E-05	--
9824	639836.2	4172148.9	Worker	Scenario 1	2.27E-02	4.58E-05	--
9825	639936.2	4172148.9	Worker	Scenario 1	2.30E-02	4.65E-05	--
9826	640036.2	4172148.9	Worker	Scenario 1	2.34E-02	4.72E-05	--
9827	637036.2	4172248.9	Worker	Scenario 1	1.25E-02	2.53E-05	--
9828	637136.2	4172248.9	Worker	Scenario 1	1.30E-02	2.62E-05	--
9829	637236.2	4172248.9	Worker	Scenario 1	1.33E-02	2.68E-05	--
9830	637336.2	4172248.9	Worker	Scenario 1	1.36E-02	2.75E-05	--
9831	637436.2	4172248.9	Worker	Scenario 1	1.39E-02	2.81E-05	--
9832	637536.2	4172248.9	Worker	Scenario 1	1.43E-02	2.89E-05	--
9833	637636.2	4172248.9	Worker	Scenario 1	1.46E-02	2.95E-05	--
9834	637736.2	4172248.9	Worker	Scenario 1	1.50E-02	3.03E-05	--
9835	637836.2	4172248.9	Worker	Scenario 1	1.53E-02	3.09E-05	--
9836	637936.2	4172248.9	Worker	Scenario 1	1.57E-02	3.17E-05	--
9837	638136.2	4172248.9	Worker	Scenario 1	1.56E-02	3.15E-05	--
9838	638236.2	4172248.9	Worker	Scenario 1	1.61E-02	3.24E-05	--
9839	638336.2	4172248.9	Worker	Scenario 1	1.65E-02	3.34E-05	--
9840	638436.2	4172248.9	Worker	Scenario 1	1.70E-02	3.44E-05	--
9841	638536.2	4172248.9	Worker	Scenario 1	1.75E-02	3.53E-05	--
9842	638636.2	4172248.9	Worker	Scenario 1	1.83E-02	3.69E-05	--
9843	638736.2	4172248.9	Worker	Scenario 1	1.82E-02	3.68E-05	--
9844	638836.2	4172248.9	Worker	Scenario 1	1.87E-02	3.77E-05	--
9845	638936.2	4172248.9	Worker	Scenario 1	1.92E-02	3.89E-05	--
9846	639036.2	4172248.9	Worker	Scenario 1	2.00E-02	4.03E-05	--
9847	639136.2	4172248.9	Worker	Scenario 1	2.03E-02	4.11E-05	--
9848	639236.2	4172248.9	Worker	Scenario 1	2.07E-02	4.18E-05	--
9849	639336.2	4172248.9	Worker	Scenario 1	2.11E-02	4.25E-05	--
9850	639436.2	4172248.9	Worker	Scenario 1	2.14E-02	4.32E-05	--
9851	639536.2	4172248.9	Worker	Scenario 1	2.17E-02	4.38E-05	--
9852	639736.2	4172248.9	Worker	Scenario 1	2.25E-02	4.54E-05	--
9853	639836.2	4172248.9	Worker	Scenario 1	2.21E-02	4.47E-05	--
9854	637236.2	4172348.9	Worker	Scenario 1	1.32E-02	2.67E-05	--
9855	637336.2	4172348.9	Worker	Scenario 1	1.35E-02	2.73E-05	--
9856	637436.2	4172348.9	Worker	Scenario 1	1.39E-02	2.80E-05	--
9857	637536.2	4172348.9	Worker	Scenario 1	1.42E-02	2.87E-05	--
9858	637636.2	4172348.9	Worker	Scenario 1	1.45E-02	2.94E-05	--
9859	637736.2	4172348.9	Worker	Scenario 1	1.49E-02	3.00E-05	--
9860	637836.2	4172348.9	Worker	Scenario 1	1.52E-02	3.07E-05	--
9861	637936.2	4172348.9	Worker	Scenario 1	1.55E-02	3.14E-05	--
9862	638136.2	4172348.9	Worker	Scenario 1	1.53E-02	3.08E-05	--
9863	638236.2	4172348.9	Worker	Scenario 1	1.60E-02	3.23E-05	--
9864	638336.2	4172348.9	Worker	Scenario 1	1.64E-02	3.30E-05	--
9865	638436.2	4172348.9	Worker	Scenario 1	1.66E-02	3.36E-05	--
9866	638536.2	4172348.9	Worker	Scenario 1	1.76E-02	3.56E-05	--
9867	638636.2	4172348.9	Worker	Scenario 1	1.76E-02	3.55E-05	--
9868	638736.2	4172348.9	Worker	Scenario 1	1.80E-02	3.63E-05	--
9869	638836.2	4172348.9	Worker	Scenario 1	1.84E-02	3.71E-05	--
9870	638936.2	4172348.9	Worker	Scenario 1	1.90E-02	3.83E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
9871	639036.2	4172348.9	Worker	Scenario 1	1.96E-02	3.96E-05	--
9872	639136.2	4172348.9	Worker	Scenario 1	2.00E-02	4.05E-05	--
9873	639236.2	4172348.9	Worker	Scenario 1	2.05E-02	4.14E-05	--
9874	639336.2	4172348.9	Worker	Scenario 1	2.06E-02	4.16E-05	--
9875	639436.2	4172348.9	Worker	Scenario 1	2.08E-02	4.20E-05	--
9876	639536.2	4172348.9	Worker	Scenario 1	2.11E-02	4.27E-05	--
9877	637636.2	4172448.9	Worker	Scenario 1	1.44E-02	2.91E-05	--
9878	637736.2	4172448.9	Worker	Scenario 1	1.47E-02	2.98E-05	--
9879	637836.2	4172448.9	Worker	Scenario 1	1.51E-02	3.05E-05	--
9880	637936.2	4172448.9	Worker	Scenario 1	1.54E-02	3.11E-05	--
9881	638136.2	4172448.9	Worker	Scenario 1	1.50E-02	3.02E-05	--
9882	638236.2	4172448.9	Worker	Scenario 1	1.54E-02	3.11E-05	--
9883	638336.2	4172448.9	Worker	Scenario 1	1.59E-02	3.21E-05	--
9884	638436.2	4172448.9	Worker	Scenario 1	1.71E-02	3.45E-05	--
9885	638536.2	4172448.9	Worker	Scenario 1	1.70E-02	3.44E-05	--
9886	638636.2	4172448.9	Worker	Scenario 1	1.74E-02	3.51E-05	--
9887	638736.2	4172448.9	Worker	Scenario 1	1.78E-02	3.59E-05	--
9888	638836.2	4172448.9	Worker	Scenario 1	1.82E-02	3.68E-05	--
9889	638936.2	4172448.9	Worker	Scenario 1	1.86E-02	3.76E-05	--
9890	639036.2	4172448.9	Worker	Scenario 1	1.92E-02	3.87E-05	--
9891	639136.2	4172448.9	Worker	Scenario 1	1.97E-02	3.97E-05	--
9892	639236.2	4172448.9	Worker	Scenario 1	2.00E-02	4.05E-05	--
9893	639336.2	4172448.9	Worker	Scenario 1	2.03E-02	4.11E-05	--
9894	639657.4	4168449.3	Resident	Scenario 1	2.67E-01	4.87E-05	--
9895	639682.4	4168449.8	Resident	Scenario 1	2.71E-01	4.96E-05	--
9896	639707.4	4168450.2	Resident	Scenario 1	2.76E-01	5.04E-05	--
9897	639719.4	4168437.2	Resident	Scenario 1	2.77E-01	5.06E-05	--
9898	639719.8	4168412.2	Resident	Scenario 1	2.74E-01	5.01E-05	--
9899	639720.3	4168387.2	Resident	Scenario 1	2.72E-01	4.96E-05	--
9900	639720.7	4168362.2	Resident	Scenario 1	2.69E-01	4.92E-05	--
9901	639721.2	4168337.2	Resident	Scenario 1	2.67E-01	4.87E-05	--
9902	639721.6	4168312.2	Resident	Scenario 1	2.65E-01	4.83E-05	--
9903	639722.1	4168287.2	Resident	Scenario 1	2.63E-01	4.80E-05	--
9904	639722.5	4168262.2	Resident	Scenario 1	2.60E-01	4.76E-05	--
9905	641271.3	4168602.3	Resident	Scenario 1	2.40E+00	4.38E-04	--
9906	641272.0	4168577.4	Resident	Scenario 1	2.41E+00	4.40E-04	--
9907	641272.7	4168552.4	Resident	Scenario 1	2.42E+00	4.43E-04	--
9908	641273.4	4168527.4	Resident	Scenario 1	2.43E+00	4.44E-04	--
9909	641274.1	4168502.4	Resident	Scenario 1	2.44E+00	4.45E-04	--
9910	641288.1	4168491.5	Resident	Scenario 1	2.76E+00	5.04E-04	--
9911	641313.1	4168492.2	Resident	Scenario 1	3.81E+00	6.95E-04	--
9912	641329.9	4168500.8	Resident	Scenario 1	5.47E+00	1.00E-03	--
9913	641329.4	4168525.7	Resident	Scenario 1	5.44E+00	9.93E-04	--
9914	641328.8	4168550.7	Resident	Scenario 1	5.39E+00	9.84E-04	--
9915	641328.3	4168575.7	Resident	Scenario 1	5.35E+00	9.76E-04	--
9916	641327.8	4168600.7	Resident	Scenario 1	5.31E+00	9.69E-04	--
9917	641327.3	4168625.7	Resident	Scenario 1	5.27E+00	9.62E-04	--
9918	644628.2	4167344.9	Resident	Scenario 1	5.06E+00	9.24E-04	--
9919	644603.2	4167344.6	Resident	Scenario 1	5.19E+00	9.48E-04	--
9920	644595.5	4167361.9	Resident	Scenario 1	5.23E+00	9.55E-04	--
9921	644608.1	4167373.7	Resident	Scenario 1	5.17E+00	9.44E-04	--
9922	644633.0	4167372.9	Resident	Scenario 1	5.05E+00	9.21E-04	--
9923	644644.0	4167386.8	Resident	Scenario 1	5.00E+00	9.12E-04	--
9924	644641.0	4167411.5	Resident	Scenario 1	5.02E+00	9.16E-04	--
9925	644572.2	4167547.1	Resident	Scenario 1	5.20E+00	9.50E-04	--
9926	644564.9	4167529.8	Resident	Scenario 1	5.28E+00	9.65E-04	--
9927	644585.7	4167544.7	Resident	Scenario 1	5.15E+00	9.40E-04	--
9928	644607.0	4167541.3	Resident	Scenario 1	5.04E+00	9.20E-04	--
9929	644631.9	4167541.8	Resident	Scenario 1	4.92E+00	8.98E-04	--
9930	644656.9	4167542.4	Resident	Scenario 1	4.81E+00	8.77E-04	--
9931	644681.9	4167543.0	Resident	Scenario 1	4.69E+00	8.57E-04	--
9932	643875.3	4167591.4	Resident	Scenario 1	1.18E+01	2.15E-03	--
9933	643900.3	4167591.5	Resident	Scenario 1	1.13E+01	2.07E-03	--
9934	643925.3	4167591.5	Resident	Scenario 1	1.09E+01	1.99E-03	--
9935	640593.1	4166856.1	Resident	Scenario 1	3.02E-01	5.52E-05	--
9936	640618.1	4166856.5	Resident	Scenario 1	3.09E-01	5.64E-05	--
9937	640643.1	4166856.9	Resident	Scenario 1	3.16E-01	5.77E-05	--
9938	640668.1	4166857.3	Resident	Scenario 1	3.24E-01	5.92E-05	--
9939	640693.1	4166857.7	Resident	Scenario 1	3.32E-01	6.07E-05	--
9940	640718.1	4166858.1	Resident	Scenario 1	3.41E-01	6.23E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9941	640743.1	4166858.4	Resident	Scenario 1	3.49E-01	6.37E-05	--
9942	640768.1	4166858.8	Resident	Scenario 1	3.56E-01	6.49E-05	--
9943	640793.1	4166859.2	Resident	Scenario 1	3.64E-01	6.65E-05	--
9944	640818.1	4166859.6	Resident	Scenario 1	3.74E-01	6.83E-05	--
9945	640843.1	4166860.0	Resident	Scenario 1	3.84E-01	7.02E-05	--
9946	640868.1	4166860.3	Resident	Scenario 1	3.97E-01	7.24E-05	--
9947	640893.1	4166860.7	Resident	Scenario 1	4.09E-01	7.46E-05	--
9948	640918.1	4166861.1	Resident	Scenario 1	4.23E-01	7.73E-05	--
9949	640943.1	4166861.5	Resident	Scenario 1	4.38E-01	8.00E-05	--
9950	640968.0	4166861.4	Resident	Scenario 1	4.55E-01	8.31E-05	--
9951	640992.8	4166858.1	Resident	Scenario 1	4.72E-01	8.62E-05	--
9952	641015.9	4166849.2	Resident	Scenario 1	4.89E-01	8.92E-05	--
9953	641038.0	4166837.5	Resident	Scenario 1	5.04E-01	9.21E-05	--
9954	641058.4	4166823.1	Resident	Scenario 1	5.19E-01	9.48E-05	--
9955	641078.8	4166808.7	Resident	Scenario 1	5.36E-01	9.79E-05	--
9956	641099.0	4166793.9	Resident	Scenario 1	5.54E-01	1.01E-04	--
9957	641117.9	4166777.7	Resident	Scenario 1	5.72E-01	1.04E-04	--
9958	641136.9	4166761.4	Resident	Scenario 1	5.91E-01	1.08E-04	--
9959	641155.9	4166745.1	Resident	Scenario 1	6.12E-01	1.12E-04	--
9960	641174.9	4166728.9	Resident	Scenario 1	6.37E-01	1.16E-04	--
9961	641193.9	4166712.6	Resident	Scenario 1	6.67E-01	1.22E-04	--
9962	641210.2	4166693.8	Resident	Scenario 1	6.90E-01	1.26E-04	--
9963	641225.7	4166674.2	Resident	Scenario 1	7.14E-01	1.30E-04	--
9964	641241.2	4166654.5	Resident	Scenario 1	7.41E-01	1.35E-04	--
9965	641256.7	4166634.9	Resident	Scenario 1	7.68E-01	1.40E-04	--
9966	641272.2	4166615.3	Resident	Scenario 1	8.00E-01	1.46E-04	--
9967	641287.7	4166595.7	Resident	Scenario 1	8.28E-01	1.51E-04	--
9968	641302.9	4166575.9	Resident	Scenario 1	8.65E-01	1.58E-04	--
9969	641317.9	4166555.9	Resident	Scenario 1	8.65E-01	1.58E-04	--
9970	641330.9	4166534.8	Resident	Scenario 1	8.17E-01	1.49E-04	--
9971	641338.1	4166510.9	Resident	Scenario 1	7.17E-01	1.31E-04	--
1	639723.5	4168261.2	Resident	Scenario 2	1.96E-01	1.69E-04	--
2	639698.5	4168286.2	Resident	Scenario 2	1.94E-01	1.67E-04	--
3	639723.5	4168286.2	Resident	Scenario 2	1.97E-01	1.70E-04	--
4	639648.5	4168311.2	Resident	Scenario 2	1.88E-01	1.61E-04	--
5	639673.5	4168311.2	Resident	Scenario 2	1.92E-01	1.64E-04	--
6	639698.5	4168311.2	Resident	Scenario 2	1.95E-01	1.67E-04	--
7	639648.5	4168336.2	Resident	Scenario 2	1.90E-01	1.62E-04	--
8	639673.5	4168336.2	Resident	Scenario 2	1.93E-01	1.65E-04	--
9	639698.5	4168336.2	Resident	Scenario 2	1.97E-01	1.68E-04	--
10	639648.5	4168361.2	Resident	Scenario 2	1.91E-01	1.63E-04	--
11	639673.5	4168361.2	Resident	Scenario 2	1.95E-01	1.66E-04	--
12	639698.5	4168361.2	Resident	Scenario 2	1.98E-01	1.69E-04	--
13	639648.5	4168386.2	Resident	Scenario 2	1.93E-01	1.63E-04	--
14	639673.5	4168386.2	Resident	Scenario 2	1.96E-01	1.67E-04	--
15	639698.5	4168386.2	Resident	Scenario 2	2.00E-01	1.70E-04	--
16	639648.5	4168411.2	Resident	Scenario 2	1.94E-01	1.64E-04	--
17	639673.5	4168411.2	Resident	Scenario 2	1.98E-01	1.67E-04	--
18	639698.5	4168411.2	Resident	Scenario 2	2.01E-01	1.71E-04	--
19	639648.5	4168436.2	Resident	Scenario 2	1.96E-01	1.65E-04	--
20	639673.5	4168436.2	Resident	Scenario 2	1.99E-01	1.68E-04	--
21	639698.5	4168436.2	Resident	Scenario 2	2.03E-01	1.72E-04	--
22	641298.5	4168511.2	Resident	Scenario 2	3.78E+00	5.64E-03	--
23	641323.5	4168511.2	Resident	Scenario 2	6.11E+00	9.60E-03	--
24	641298.5	4168536.2	Resident	Scenario 2	3.80E+00	5.69E-03	--
25	641323.5	4168536.2	Resident	Scenario 2	6.18E+00	9.72E-03	--
26	641298.5	4168561.2	Resident	Scenario 2	3.82E+00	5.73E-03	--
27	641323.5	4168561.2	Resident	Scenario 2	6.21E+00	9.80E-03	--
28	641298.5	4168586.2	Resident	Scenario 2	3.85E+00	5.79E-03	--
29	641323.5	4168586.2	Resident	Scenario 2	6.26E+00	9.90E-03	--
30	641298.5	4168611.2	Resident	Scenario 2	3.88E+00	5.87E-03	--
31	641323.5	4168611.2	Resident	Scenario 2	6.32E+00	1.00E-02	--
32	641298.5	4168636.2	Resident	Scenario 2	3.91E+00	5.95E-03	--
33	641323.5	4168636.2	Resident	Scenario 2	6.38E+00	1.01E-02	--
34	641298.5	4168661.2	Resident	Scenario 2	3.96E+00	6.07E-03	--
35	641323.5	4168661.2	Resident	Scenario 2	6.45E+00	1.03E-02	--
36	642036.2	4165948.9	Resident	Scenario 2	2.75E-01	2.60E-04	--
37	640636.2	4166448.9	Resident	Scenario 2	2.01E-01	1.82E-04	--
38	640836.2	4166448.9	Resident	Scenario 2	2.29E-01	2.13E-04	--
39	640936.2	4166448.9	Resident	Scenario 2	2.48E-01	2.34E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
40	641036.2	4166448.9	Resident	Scenario 2	2.72E-01	2.62E-04	--
41	641136.2	4166448.9	Resident	Scenario 2	3.11E-01	3.07E-04	--
42	641236.2	4166448.9	Resident	Scenario 2	3.66E-01	3.76E-04	--
43	640636.2	4166548.9	Resident	Scenario 2	2.15E-01	1.96E-04	--
44	640736.2	4166548.9	Resident	Scenario 2	2.32E-01	2.15E-04	--
45	640836.2	4166548.9	Resident	Scenario 2	2.51E-01	2.36E-04	--
46	641036.2	4166548.9	Resident	Scenario 2	3.10E-01	3.05E-04	--
47	641136.2	4166548.9	Resident	Scenario 2	3.69E-01	3.77E-04	--
48	641236.2	4166548.9	Resident	Scenario 2	4.92E-01	5.37E-04	--
49	640636.2	4166648.9	Resident	Scenario 2	2.30E-01	2.11E-04	--
50	640736.2	4166648.9	Resident	Scenario 2	2.50E-01	2.34E-04	--
51	640836.2	4166648.9	Resident	Scenario 2	2.73E-01	2.60E-04	--
52	640936.2	4166648.9	Resident	Scenario 2	3.04E-01	2.96E-04	--
53	641036.2	4166648.9	Resident	Scenario 2	3.52E-01	3.53E-04	--
54	641136.2	4166648.9	Resident	Scenario 2	4.29E-01	4.57E-04	--
55	641236.2	4166648.9	Resident	Scenario 2	6.42E-01	7.37E-04	--
56	640636.2	4166748.9	Resident	Scenario 2	2.42E-01	2.26E-04	--
57	640736.2	4166748.9	Resident	Scenario 2	2.68E-01	2.55E-04	--
58	640836.2	4166748.9	Resident	Scenario 2	2.89E-01	2.83E-04	--
59	640936.2	4166748.9	Resident	Scenario 2	3.28E-01	3.29E-04	--
60	641036.2	4166748.9	Resident	Scenario 2	3.89E-01	4.02E-04	--
61	641136.2	4166748.9	Resident	Scenario 2	5.02E-01	5.44E-04	--
62	640636.2	4166848.9	Resident	Scenario 2	2.52E-01	2.42E-04	--
63	640736.2	4166848.9	Resident	Scenario 2	2.82E-01	2.75E-04	--
64	640836.2	4166848.9	Resident	Scenario 2	3.12E-01	3.10E-04	--
65	640936.2	4166848.9	Resident	Scenario 2	3.59E-01	3.66E-04	--
66	644636.2	4167548.9	Resident	Scenario 2	2.79E+00	1.08E-03	--
67	644636.2	4167648.9	Resident	Scenario 2	2.61E+00	1.01E-03	--
68	644736.2	4167648.9	Resident	Scenario 2	2.40E+00	9.35E-04	--
69	644836.2	4167648.9	Resident	Scenario 2	2.22E+00	8.65E-04	--
70	644936.2	4167648.9	Resident	Scenario 2	2.05E+00	8.04E-04	--
71	645036.2	4167648.9	Resident	Scenario 2	1.91E+00	7.49E-04	--
72	645236.2	4167648.9	Resident	Scenario 2	1.67E+00	6.60E-04	--
73	644536.2	4167748.9	Resident	Scenario 2	2.55E+00	9.97E-04	--
74	644636.2	4168848.9	Resident	Scenario 2	6.28E-01	3.01E-04	--
75	644736.2	4168848.9	Resident	Scenario 2	6.12E-01	2.91E-04	--
76	644636.2	4168948.9	Resident	Scenario 2	5.92E-01	2.85E-04	--
77	644536.2	4169048.9	Resident	Scenario 2	5.72E-01	2.77E-04	--
78	644636.2	4169048.9	Resident	Scenario 2	5.58E-01	2.69E-04	--
79	644736.2	4169048.9	Resident	Scenario 2	5.45E-01	2.62E-04	--
80	644336.2	4169148.9	Resident	Scenario 2	5.71E-01	2.80E-04	--
81	644436.2	4169148.9	Resident	Scenario 2	5.55E-01	2.71E-04	--
82	644536.2	4169148.9	Resident	Scenario 2	5.42E-01	2.63E-04	--
83	644336.2	4169248.9	Resident	Scenario 2	5.43E-01	2.66E-04	--
84	644436.2	4169248.9	Resident	Scenario 2	5.29E-01	2.58E-04	--
85	644436.2	4169348.9	Resident	Scenario 2	5.05E-01	2.47E-04	--
86	642336.2	4169948.9	Resident	Scenario 2	5.63E-01	3.15E-04	--
87	642436.2	4169948.9	Resident	Scenario 2	5.55E-01	3.07E-04	--
88	642536.2	4169948.9	Resident	Scenario 2	5.46E-01	2.99E-04	--
89	642636.2	4169948.9	Resident	Scenario 2	5.36E-01	2.91E-04	--
90	642736.2	4169948.9	Resident	Scenario 2	5.24E-01	2.83E-04	--
91	642836.2	4169948.9	Resident	Scenario 2	5.12E-01	2.75E-04	--
92	642936.2	4169948.9	Resident	Scenario 2	5.01E-01	2.68E-04	--
93	643036.2	4169948.9	Resident	Scenario 2	4.92E-01	2.62E-04	--
94	643136.2	4169948.9	Resident	Scenario 2	4.84E-01	2.56E-04	--
95	644136.2	4169948.9	Resident	Scenario 2	3.86E-01	1.98E-04	--
96	642236.2	4170048.9	Resident	Scenario 2	5.34E-01	3.02E-04	--
97	642336.2	4170048.9	Resident	Scenario 2	5.27E-01	2.94E-04	--
98	642436.2	4170048.9	Resident	Scenario 2	5.21E-01	2.88E-04	--
99	642536.2	4170048.9	Resident	Scenario 2	5.13E-01	2.81E-04	--
100	642636.2	4170048.9	Resident	Scenario 2	5.03E-01	2.73E-04	--
101	642736.2	4170048.9	Resident	Scenario 2	4.92E-01	2.66E-04	--
102	642836.2	4170048.9	Resident	Scenario 2	4.81E-01	2.59E-04	--
103	642936.2	4170048.9	Resident	Scenario 2	4.72E-01	2.52E-04	--
104	643036.2	4170048.9	Resident	Scenario 2	4.64E-01	2.47E-04	--
105	643136.2	4170048.9	Resident	Scenario 2	4.57E-01	2.42E-04	--
106	643236.2	4170048.9	Resident	Scenario 2	4.50E-01	2.37E-04	--
107	643336.2	4170048.9	Resident	Scenario 2	4.42E-01	2.32E-04	--
108	643436.2	4170048.9	Resident	Scenario 2	4.35E-01	2.27E-04	--
109	643536.2	4170048.9	Resident	Scenario 2	4.28E-01	2.22E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
110	643636.2	4170048.9	Resident	Scenario 2	4.20E-01	2.17E-04	--
111	643736.2	4170048.9	Resident	Scenario 2	4.09E-01	2.12E-04	--
112	643836.2	4170048.9	Resident	Scenario 2	3.98E-01	2.06E-04	--
113	643936.2	4170048.9	Resident	Scenario 2	3.87E-01	2.00E-04	--
114	644036.2	4170048.9	Resident	Scenario 2	3.77E-01	1.95E-04	--
115	642136.2	4170148.9	Resident	Scenario 2	5.00E-01	2.86E-04	--
116	642236.2	4170148.9	Resident	Scenario 2	4.95E-01	2.80E-04	--
117	642336.2	4170148.9	Resident	Scenario 2	4.92E-01	2.75E-04	--
118	643436.2	4170148.9	Resident	Scenario 2	4.12E-01	2.15E-04	--
119	643536.2	4170148.9	Resident	Scenario 2	4.06E-01	2.11E-04	--
120	643636.2	4170148.9	Resident	Scenario 2	3.98E-01	2.06E-04	--
121	643736.2	4170148.9	Resident	Scenario 2	3.90E-01	2.02E-04	--
122	643836.2	4170148.9	Resident	Scenario 2	3.81E-01	1.97E-04	--
123	643936.2	4170148.9	Resident	Scenario 2	3.71E-01	1.92E-04	--
124	643436.2	4170248.9	Resident	Scenario 2	3.92E-01	2.04E-04	--
125	643536.2	4170248.9	Resident	Scenario 2	3.86E-01	2.00E-04	--
126	643636.2	4170248.9	Resident	Scenario 2	3.79E-01	1.96E-04	--
127	643736.2	4170248.9	Resident	Scenario 2	3.72E-01	1.93E-04	--
128	643836.2	4170248.9	Resident	Scenario 2	3.64E-01	1.88E-04	--
129	635936.2	4170748.9	Resident	Scenario 2	6.01E-02	4.08E-05	--
130	636036.2	4170748.9	Resident	Scenario 2	6.16E-02	4.18E-05	--
131	636136.2	4170748.9	Resident	Scenario 2	6.36E-02	4.30E-05	--
132	635936.2	4170848.9	Resident	Scenario 2	6.06E-02	4.10E-05	--
133	636036.2	4170848.9	Resident	Scenario 2	6.25E-02	4.22E-05	--
134	636136.2	4170848.9	Resident	Scenario 2	6.45E-02	4.35E-05	--
135	636236.2	4170848.9	Resident	Scenario 2	6.67E-02	4.49E-05	--
136	636836.2	4170848.9	Resident	Scenario 2	8.21E-02	5.50E-05	--
137	636036.2	4170948.9	Resident	Scenario 2	6.34E-02	4.27E-05	--
138	636136.2	4170948.9	Resident	Scenario 2	6.55E-02	4.40E-05	--
139	636236.2	4170948.9	Resident	Scenario 2	6.77E-02	4.54E-05	--
140	636336.2	4170948.9	Resident	Scenario 2	7.02E-02	4.70E-05	--
141	636636.2	4170948.9	Resident	Scenario 2	7.79E-02	5.21E-05	--
142	636736.2	4170948.9	Resident	Scenario 2	8.05E-02	5.38E-05	--
143	636836.2	4170948.9	Resident	Scenario 2	8.29E-02	5.54E-05	--
144	635936.2	4171048.9	Resident	Scenario 2	6.27E-02	4.21E-05	--
145	636036.2	4171048.9	Resident	Scenario 2	6.45E-02	4.32E-05	--
146	636136.2	4171048.9	Resident	Scenario 2	6.67E-02	4.46E-05	--
147	636236.2	4171048.9	Resident	Scenario 2	6.88E-02	4.60E-05	--
148	636336.2	4171048.9	Resident	Scenario 2	7.09E-02	4.74E-05	--
149	636536.2	4171048.9	Resident	Scenario 2	7.56E-02	5.04E-05	--
150	636636.2	4171048.9	Resident	Scenario 2	7.83E-02	5.22E-05	--
151	636736.2	4171048.9	Resident	Scenario 2	8.14E-02	5.42E-05	--
152	635936.2	4171148.9	Resident	Scenario 2	6.39E-02	4.26E-05	--
153	636036.2	4171148.9	Resident	Scenario 2	6.57E-02	4.38E-05	--
154	636136.2	4171148.9	Resident	Scenario 2	6.78E-02	4.51E-05	--
155	636236.2	4171148.9	Resident	Scenario 2	6.96E-02	4.64E-05	--
156	636336.2	4171148.9	Resident	Scenario 2	7.17E-02	4.78E-05	--
157	636536.2	4171148.9	Resident	Scenario 2	7.66E-02	5.09E-05	--
158	636636.2	4171148.9	Resident	Scenario 2	7.88E-02	5.24E-05	--
159	636136.2	4171248.9	Resident	Scenario 2	6.87E-02	4.56E-05	--
160	636236.2	4171248.9	Resident	Scenario 2	7.07E-02	4.69E-05	--
161	636336.2	4171248.9	Resident	Scenario 2	7.27E-02	4.83E-05	--
162	636536.2	4171248.9	Resident	Scenario 2	7.72E-02	5.13E-05	--
163	636036.2	4171348.9	Resident	Scenario 2	6.78E-02	4.49E-05	--
164	636136.2	4171348.9	Resident	Scenario 2	6.96E-02	4.61E-05	--
165	636236.2	4171348.9	Resident	Scenario 2	7.15E-02	4.74E-05	--
166	636336.2	4171348.9	Resident	Scenario 2	7.37E-02	4.88E-05	--
167	636136.2	4171448.9	Resident	Scenario 2	7.04E-02	4.65E-05	--
168	642573.5	4166836.2	Roadway/Waterway	Scenario 2	--	--	--
169	644323.5	4166836.2	Roadway/Waterway	Scenario 2	--	--	--
170	641523.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
171	641548.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
172	641573.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
173	642048.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
174	642073.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
175	642098.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
176	642198.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
177	642223.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
178	642248.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
179	642273.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
180	642548.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
181	642573.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
182	642598.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
183	642623.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
184	642648.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
185	642673.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
186	642698.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
187	642723.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
188	642748.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
189	642773.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
190	642798.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
191	642823.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
192	642848.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
193	642873.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
194	642898.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
195	642923.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
196	642948.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
197	642973.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
198	642998.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
199	643023.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
200	643048.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
201	643073.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
202	643098.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
203	643123.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
204	643148.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
205	643173.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
206	643198.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
207	643223.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
208	643248.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
209	643273.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
210	643298.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
211	643323.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
212	643348.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
213	643373.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
214	643398.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
215	643423.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
216	643448.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
217	643473.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
218	643498.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
219	643523.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
220	643548.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
221	643573.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
222	643598.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
223	643623.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
224	643648.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
225	643673.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
226	643698.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
227	643723.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
228	643748.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
229	643773.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
230	643798.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
231	643823.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
232	643848.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
233	643873.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
234	643898.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
235	643923.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
236	643948.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
237	643973.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
238	643998.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
239	644023.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
240	644048.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
241	644073.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
242	644098.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
243	644123.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
244	644148.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
245	644173.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
246	644198.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
247	644223.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
248	644248.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
249	644273.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
250	644298.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
251	644323.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
252	644348.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
253	644373.5	4166861.2	Roadway/Waterway	Scenario 2	--	--	--
254	641423.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
255	641448.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
256	641473.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
257	641498.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
258	641523.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
259	641548.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
260	641573.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
261	641598.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
262	641623.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
263	641648.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
264	641673.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
265	641698.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
266	641723.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
267	641748.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
268	641773.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
269	641798.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
270	641823.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
271	641848.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
272	641873.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
273	641898.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
274	641923.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
275	641948.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
276	641973.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
277	641998.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
278	642023.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
279	642048.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
280	642073.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
281	642098.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
282	642123.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
283	642148.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
284	642173.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
285	642198.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
286	642223.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
287	642248.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
288	642273.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
289	642298.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
290	642323.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
291	642348.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
292	642373.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
293	642398.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
294	642423.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
295	642448.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
296	642473.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
297	642498.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
298	642523.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
299	642548.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
300	642573.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
301	642598.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
302	642623.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
303	642648.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
304	642673.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
305	642698.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
306	642723.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
307	642748.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
308	642773.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
309	642798.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
310	642823.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
311	642848.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
312	642873.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
313	642898.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
314	642923.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
315	642948.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
316	642973.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
317	642998.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
318	643023.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
319	643048.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
320	643073.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
321	643098.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
322	643123.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
323	643148.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
324	643173.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
325	643198.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
326	643223.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
327	643248.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
328	643273.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
329	643298.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
330	643323.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
331	643348.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
332	643373.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
333	643398.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
334	643423.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
335	643448.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
336	643473.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
337	643498.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
338	643523.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
339	643548.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
340	643573.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
341	643598.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
342	643623.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
343	643648.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
344	643673.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
345	643698.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
346	643723.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
347	643748.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
348	643773.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
349	643798.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
350	643823.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
351	643848.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
352	643873.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
353	643898.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
354	643923.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
355	643948.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
356	643973.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
357	643998.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
358	644023.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
359	644048.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
360	644073.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
361	644098.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
362	644123.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
363	644148.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
364	644173.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
365	644198.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
366	644223.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
367	644248.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
368	644273.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
369	644298.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
370	644323.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
371	644348.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
372	644373.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
373	644398.5	4166886.2	Roadway/Waterway	Scenario 2	--	--	--
374	641348.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
375	641373.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
376	641398.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
377	641423.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
378	641448.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
379	641473.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
380	641498.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
381	641523.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
382	641548.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
383	641573.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
384	641598.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
385	641623.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
386	641648.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
387	641673.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
388	641698.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
389	641723.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
390	641748.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
391	641773.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
392	641798.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
393	641823.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
394	641848.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
395	641873.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
396	641898.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
397	641923.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
398	641948.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
399	641973.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
400	641998.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
401	642023.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
402	642048.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
403	642073.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
404	642098.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
405	642123.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
406	642148.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
407	642173.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
408	642198.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
409	642223.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
410	642248.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
411	642273.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
412	642298.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
413	642323.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
414	642348.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
415	642373.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
416	642398.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
417	642423.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
418	642448.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
419	642473.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
420	642498.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
421	642523.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
422	642548.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
423	642573.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
424	642598.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
425	642623.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
426	642648.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
427	642673.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
428	642698.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
429	642723.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
430	642748.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
431	642773.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
432	643548.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
433	643573.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
434	643598.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
435	643623.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
436	643648.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
437	643673.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
438	643698.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
439	643723.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
440	643748.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
441	643773.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
442	643798.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
443	643823.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
444	643848.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
445	643873.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
446	643898.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
447	643923.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
448	643948.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
449	643973.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
450	643998.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
451	644023.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
452	644048.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
453	644073.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
454	644098.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
455	644123.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
456	644148.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
457	644173.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
458	644198.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
459	644223.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
460	644248.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
461	644273.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
462	644298.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
463	644323.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
464	644348.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
465	644373.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
466	644398.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
467	644423.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
468	644448.5	4166911.2	Roadway/Waterway	Scenario 2	--	--	--
469	641323.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
470	641348.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
471	641373.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
472	641398.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
473	641423.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
474	641448.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
475	641473.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
476	641498.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
477	641523.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
478	641548.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
479	641573.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
480	641598.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
481	641623.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
482	641648.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
483	641673.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
484	641698.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
485	641723.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
486	641748.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
487	641773.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
488	641798.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
489	641823.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
490	641848.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
491	641873.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
492	641898.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
493	641923.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
494	641948.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
495	642223.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
496	642248.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
497	642273.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
498	642298.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
499	642323.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
500	642348.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
501	642373.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
502	642398.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
503	642423.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
504	642448.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
505	642473.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
506	642498.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
507	642523.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
508	642548.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
509	642573.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
510	644323.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
511	644348.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
512	644373.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
513	644398.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
514	644423.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
515	644448.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
516	644473.5	4166936.2	Roadway/Waterway	Scenario 2	--	--	--
517	641323.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
518	641348.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
519	641373.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
520	641398.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
521	641423.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
522	641448.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
523	641473.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
524	641498.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
525	641523.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
526	642198.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
527	642223.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
528	642248.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
529	642273.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
530	642298.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
531	642323.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
532	642348.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
533	642373.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
534	642398.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
535	642423.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
536	642448.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
537	642473.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
538	642498.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
539	642523.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
540	642548.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
541	644373.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
542	644398.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
543	644423.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
544	644448.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
545	644473.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
546	644498.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
547	644523.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
548	644548.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
549	644573.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
550	644598.5	4166961.2	Roadway/Waterway	Scenario 2	--	--	--
551	641298.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
552	641323.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
553	641348.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
554	641373.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
555	641398.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
556	641423.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
557	642173.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
558	642198.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
559	642223.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
560	642248.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
561	642273.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
562	642298.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
563	642323.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
564	642348.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
565	644398.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
566	644423.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
567	644448.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
568	644473.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
569	644498.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
570	644523.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
571	644548.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
572	644573.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
573	644598.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
574	644623.5	4166986.2	Roadway/Waterway	Scenario 2	--	--	--
575	641348.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
576	641373.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
577	642148.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
578	642173.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
579	642198.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
580	642223.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
581	642248.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
582	642273.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
583	642298.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
584	642323.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
585	644423.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
586	644448.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
587	644473.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
588	644498.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
589	644523.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
590	644548.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
591	644573.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
592	644598.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
593	644623.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
594	644648.5	4167011.2	Roadway/Waterway	Scenario 2	--	--	--
595	641348.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
596	641373.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
597	642123.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
598	642148.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
599	642173.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
600	642198.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
601	642223.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
602	642248.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
603	642273.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
604	642298.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
605	644473.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
606	644498.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
607	644523.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
608	644548.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
609	644573.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
610	644598.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
611	644623.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
612	644648.5	4167036.2	Roadway/Waterway	Scenario 2	--	--	--
613	641373.5	4167061.2	Roadway/Waterway	Scenario 2	--	--	--
614	642098.5	4167061.2	Roadway/Waterway	Scenario 2	--	--	--
615	642123.5	4167061.2	Roadway/Waterway	Scenario 2	--	--	--
616	642148.5	4167061.2	Roadway/Waterway	Scenario 2	--	--	--
617	642173.5	4167061.2	Roadway/Waterway	Scenario 2	--	--	--
618	642198.5	4167061.2	Roadway/Waterway	Scenario 2	--	--	--
619	642223.5	4167061.2	Roadway/Waterway	Scenario 2	--	--	--
620	642248.5	4167061.2	Roadway/Waterway	Scenario 2	--	--	--
621	642273.5	4167061.2	Roadway/Waterway	Scenario 2	--	--	--
622	644573.5	4167061.2	Roadway/Waterway	Scenario 2	--	--	--
623	644598.5	4167061.2	Roadway/Waterway	Scenario 2	--	--	--
624	644623.5	4167061.2	Roadway/Waterway	Scenario 2	--	--	--
625	644648.5	4167061.2	Roadway/Waterway	Scenario 2	--	--	--
626	641373.5	4167086.2	Roadway/Waterway	Scenario 2	--	--	--
627	642073.5	4167086.2	Roadway/Waterway	Scenario 2	--	--	--
628	642098.5	4167086.2	Roadway/Waterway	Scenario 2	--	--	--
629	642123.5	4167086.2	Roadway/Waterway	Scenario 2	--	--	--
630	642148.5	4167086.2	Roadway/Waterway	Scenario 2	--	--	--
631	642173.5	4167086.2	Roadway/Waterway	Scenario 2	--	--	--
632	642198.5	4167086.2	Roadway/Waterway	Scenario 2	--	--	--
633	642223.5	4167086.2	Roadway/Waterway	Scenario 2	--	--	--
634	642248.5	4167086.2	Roadway/Waterway	Scenario 2	--	--	--
635	644598.5	4167086.2	Roadway/Waterway	Scenario 2	--	--	--
636	644623.5	4167086.2	Roadway/Waterway	Scenario 2	--	--	--
637	641373.5	4167111.2	Roadway/Waterway	Scenario 2	--	--	--
638	642048.5	4167111.2	Roadway/Waterway	Scenario 2	--	--	--
639	642073.5	4167111.2	Roadway/Waterway	Scenario 2	--	--	--
640	642098.5	4167111.2	Roadway/Waterway	Scenario 2	--	--	--
641	642123.5	4167111.2	Roadway/Waterway	Scenario 2	--	--	--
642	642148.5	4167111.2	Roadway/Waterway	Scenario 2	--	--	--
643	642173.5	4167111.2	Roadway/Waterway	Scenario 2	--	--	--
644	642198.5	4167111.2	Roadway/Waterway	Scenario 2	--	--	--
645	642223.5	4167111.2	Roadway/Waterway	Scenario 2	--	--	--
646	644598.5	4167111.2	Roadway/Waterway	Scenario 2	--	--	--
647	644623.5	4167111.2	Roadway/Waterway	Scenario 2	--	--	--
648	641373.5	4167136.2	Roadway/Waterway	Scenario 2	--	--	--
649	642023.5	4167136.2	Roadway/Waterway	Scenario 2	--	--	--
650	642048.5	4167136.2	Roadway/Waterway	Scenario 2	--	--	--
651	642073.5	4167136.2	Roadway/Waterway	Scenario 2	--	--	--
652	642098.5	4167136.2	Roadway/Waterway	Scenario 2	--	--	--
653	642123.5	4167136.2	Roadway/Waterway	Scenario 2	--	--	--
654	642148.5	4167136.2	Roadway/Waterway	Scenario 2	--	--	--
655	642173.5	4167136.2	Roadway/Waterway	Scenario 2	--	--	--
656	642198.5	4167136.2	Roadway/Waterway	Scenario 2	--	--	--
657	644598.5	4167136.2	Roadway/Waterway	Scenario 2	--	--	--
658	644623.5	4167136.2	Roadway/Waterway	Scenario 2	--	--	--
659	641373.5	4167161.2	Roadway/Waterway	Scenario 2	--	--	--
660	641998.5	4167161.2	Roadway/Waterway	Scenario 2	--	--	--
661	642023.5	4167161.2	Roadway/Waterway	Scenario 2	--	--	--
662	642048.5	4167161.2	Roadway/Waterway	Scenario 2	--	--	--
663	642073.5	4167161.2	Roadway/Waterway	Scenario 2	--	--	--
664	642098.5	4167161.2	Roadway/Waterway	Scenario 2	--	--	--
665	642123.5	4167161.2	Roadway/Waterway	Scenario 2	--	--	--
666	642148.5	4167161.2	Roadway/Waterway	Scenario 2	--	--	--
667	644598.5	4167161.2	Roadway/Waterway	Scenario 2	--	--	--
668	644623.5	4167161.2	Roadway/Waterway	Scenario 2	--	--	--
669	641373.5	4167186.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
670	641948.5	4167186.2	Roadway/Waterway	Scenario 2	--	--	--
671	641973.5	4167186.2	Roadway/Waterway	Scenario 2	--	--	--
672	641998.5	4167186.2	Roadway/Waterway	Scenario 2	--	--	--
673	642023.5	4167186.2	Roadway/Waterway	Scenario 2	--	--	--
674	642048.5	4167186.2	Roadway/Waterway	Scenario 2	--	--	--
675	642073.5	4167186.2	Roadway/Waterway	Scenario 2	--	--	--
676	642098.5	4167186.2	Roadway/Waterway	Scenario 2	--	--	--
677	642123.5	4167186.2	Roadway/Waterway	Scenario 2	--	--	--
678	644598.5	4167186.2	Roadway/Waterway	Scenario 2	--	--	--
679	644623.5	4167186.2	Roadway/Waterway	Scenario 2	--	--	--
680	641373.5	4167211.2	Roadway/Waterway	Scenario 2	--	--	--
681	641923.5	4167211.2	Roadway/Waterway	Scenario 2	--	--	--
682	641948.5	4167211.2	Roadway/Waterway	Scenario 2	--	--	--
683	641973.5	4167211.2	Roadway/Waterway	Scenario 2	--	--	--
684	641998.5	4167211.2	Roadway/Waterway	Scenario 2	--	--	--
685	642023.5	4167211.2	Roadway/Waterway	Scenario 2	--	--	--
686	642048.5	4167211.2	Roadway/Waterway	Scenario 2	--	--	--
687	642073.5	4167211.2	Roadway/Waterway	Scenario 2	--	--	--
688	642098.5	4167211.2	Roadway/Waterway	Scenario 2	--	--	--
689	644598.5	4167211.2	Roadway/Waterway	Scenario 2	--	--	--
690	644623.5	4167211.2	Roadway/Waterway	Scenario 2	--	--	--
691	641373.5	4167236.2	Roadway/Waterway	Scenario 2	--	--	--
692	641898.5	4167236.2	Roadway/Waterway	Scenario 2	--	--	--
693	641923.5	4167236.2	Roadway/Waterway	Scenario 2	--	--	--
694	641948.5	4167236.2	Roadway/Waterway	Scenario 2	--	--	--
695	641973.5	4167236.2	Roadway/Waterway	Scenario 2	--	--	--
696	641998.5	4167236.2	Roadway/Waterway	Scenario 2	--	--	--
697	642023.5	4167236.2	Roadway/Waterway	Scenario 2	--	--	--
698	642048.5	4167236.2	Roadway/Waterway	Scenario 2	--	--	--
699	642073.5	4167236.2	Roadway/Waterway	Scenario 2	--	--	--
700	644598.5	4167236.2	Roadway/Waterway	Scenario 2	--	--	--
701	641373.5	4167261.2	Roadway/Waterway	Scenario 2	--	--	--
702	641873.5	4167261.2	Roadway/Waterway	Scenario 2	--	--	--
703	641898.5	4167261.2	Roadway/Waterway	Scenario 2	--	--	--
704	641923.5	4167261.2	Roadway/Waterway	Scenario 2	--	--	--
705	641948.5	4167261.2	Roadway/Waterway	Scenario 2	--	--	--
706	641973.5	4167261.2	Roadway/Waterway	Scenario 2	--	--	--
707	641998.5	4167261.2	Roadway/Waterway	Scenario 2	--	--	--
708	642023.5	4167261.2	Roadway/Waterway	Scenario 2	--	--	--
709	642048.5	4167261.2	Roadway/Waterway	Scenario 2	--	--	--
710	644548.5	4167261.2	Roadway/Waterway	Scenario 2	--	--	--
711	644573.5	4167261.2	Roadway/Waterway	Scenario 2	--	--	--
712	644598.5	4167261.2	Roadway/Waterway	Scenario 2	--	--	--
713	644623.5	4167261.2	Roadway/Waterway	Scenario 2	--	--	--
714	644648.5	4167261.2	Roadway/Waterway	Scenario 2	--	--	--
715	644673.5	4167261.2	Roadway/Waterway	Scenario 2	--	--	--
716	641373.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
717	641823.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
718	641848.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
719	641873.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
720	641898.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
721	641923.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
722	641948.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
723	641973.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
724	641998.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
725	642023.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
726	644448.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
727	644473.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
728	644498.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
729	644523.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
730	644548.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
731	644573.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
732	644598.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
733	644623.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
734	644648.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
735	644673.5	4167286.2	Roadway/Waterway	Scenario 2	--	--	--
736	641373.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
737	641748.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
738	641773.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
739	641798.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
740	641823.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
741	641848.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
742	641873.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
743	641898.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
744	641923.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
745	641948.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
746	641973.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
747	641998.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
748	644373.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
749	644398.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
750	644423.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
751	644448.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
752	644473.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
753	644498.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
754	644523.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
755	644548.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
756	644573.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
757	644598.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
758	644623.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
759	644648.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
760	641373.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
761	641673.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
762	641698.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
763	641723.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
764	641748.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
765	641773.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
766	641798.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
767	641823.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
768	641848.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
769	641873.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
770	641898.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
771	641923.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
772	641948.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
773	641973.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
774	644298.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
775	644323.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
776	644348.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
777	644373.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
778	644398.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
779	644423.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
780	644448.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
781	644473.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
782	644498.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
783	644523.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
784	644548.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
785	644573.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
786	644598.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
787	644623.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
788	641373.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
789	641573.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
790	641598.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
791	641623.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
792	641648.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
793	641673.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
794	641698.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
795	641723.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
796	641748.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
797	641773.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
798	641798.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
799	641823.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
800	641848.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
801	641873.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
802	641898.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
803	641923.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
804	643348.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
805	643373.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
806	643398.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
807	643423.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
808	643448.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
809	643473.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
810	643498.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
811	643523.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
812	643548.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
813	643573.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
814	643598.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
815	643623.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
816	643648.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
817	643673.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
818	643698.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
819	643723.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
820	643748.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
821	643773.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
822	643798.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
823	643823.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
824	643848.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
825	643873.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
826	644248.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
827	644273.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
828	644298.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
829	644323.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
830	644348.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
831	644373.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
832	644398.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
833	644423.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
834	644448.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
835	644473.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
836	644498.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--
837	641373.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
838	641498.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
839	641523.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
840	641548.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
841	641573.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
842	641598.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
843	641623.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
844	641648.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
845	641673.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
846	641698.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
847	641723.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
848	641748.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
849	641773.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
850	641798.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
851	641823.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
852	641848.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
853	641873.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
854	643323.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
855	643348.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
856	643373.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
857	643398.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
858	643423.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
859	643448.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
860	643473.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
861	643498.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
862	643523.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
863	643548.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
864	643573.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
865	643598.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
866	643623.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
867	643648.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
868	643673.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
869	643698.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
870	643723.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
871	643748.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
872	643773.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
873	643798.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
874	643823.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
875	643848.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
876	643873.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
877	643898.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
878	643923.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
879	643948.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
880	643973.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
881	643998.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
882	644023.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
883	644048.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
884	644073.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
885	644148.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
886	644173.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
887	644198.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
888	644223.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
889	644248.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
890	644273.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
891	644298.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
892	644323.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
893	644348.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
894	644373.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
895	644398.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
896	644423.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
897	641373.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
898	641398.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
899	641423.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
900	641448.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
901	641473.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
902	641498.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
903	641523.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
904	641548.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
905	641573.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
906	641598.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
907	641623.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
908	641648.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
909	641673.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
910	641698.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
911	641723.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
912	641748.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
913	641773.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
914	641798.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
915	641823.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
916	641848.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
917	643298.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
918	643323.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
919	643348.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
920	643373.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
921	643398.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
922	643423.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
923	643448.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
924	643473.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
925	643498.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
926	643523.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
927	643548.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
928	643573.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
929	643598.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
930	643623.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
931	643648.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
932	643673.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
933	643698.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
934	643723.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
935	643748.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
936	643773.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
937	643798.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
938	643823.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
939	643848.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
940	643873.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
941	643898.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
942	643923.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
943	643948.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
944	643973.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
945	643998.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
946	644023.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
947	644048.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
948	644073.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
949	644098.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
950	644123.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
951	644148.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
952	644173.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
953	644198.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
954	644223.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
955	644248.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
956	644273.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
957	644298.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
958	644323.5	4167411.2	Roadway/Waterway	Scenario 2	--	--	--
959	641298.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
960	641323.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
961	641348.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
962	641373.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
963	641398.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
964	641423.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
965	641448.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
966	641473.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
967	641498.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
968	641523.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
969	641548.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
970	641573.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
971	641598.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
972	641623.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
973	641648.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
974	641673.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
975	641698.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
976	641723.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
977	641748.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
978	641773.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
979	643273.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
980	643298.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
981	643323.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
982	643773.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
983	643798.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
984	643823.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
985	643848.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
986	643873.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
987	643898.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
988	643923.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
989	643948.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
990	643973.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
991	643998.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
992	644023.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
993	644048.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
994	644073.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
995	644098.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
996	644123.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
997	644148.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
998	644173.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
999	644198.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
1000	644223.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
1001	644248.5	4167436.2	Roadway/Waterway	Scenario 2	--	--	--
1002	641323.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1003	641348.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1004	641373.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1005	641398.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1006	641423.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1007	641448.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1008	641473.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1009	641498.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1010	641523.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1011	641548.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1012	641573.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1013	641598.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1014	641623.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1015	641648.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1016	641673.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1017	641698.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1018	643248.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1019	643273.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1020	643298.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1021	643923.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1022	643948.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1023	643973.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1024	643998.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1025	644023.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1026	644048.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1027	644073.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1028	644098.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1029	644123.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1030	644148.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1031	644173.5	4167461.2	Roadway/Waterway	Scenario 2	--	--	--
1032	641273.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1033	641298.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1034	641323.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1035	641348.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1036	641373.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1037	641398.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1038	641423.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1039	641448.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1040	641473.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1041	641498.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1042	641523.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1043	641548.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1044	641573.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1045	641598.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1046	643223.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1047	643248.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1048	643273.5	4167486.2	Roadway/Waterway	Scenario 2	--	--	--
1049	641198.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1050	641223.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1051	641248.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1052	641273.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1053	641298.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1054	641323.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1055	641348.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1056	641373.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1057	641398.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1058	641423.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1059	641448.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1060	641473.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1061	641498.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1062	641523.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1063	643223.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1064	643248.5	4167511.2	Roadway/Waterway	Scenario 2	--	--	--
1065	641098.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1066	641123.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1067	641148.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1068	641173.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1069	641198.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1070	641223.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1071	641248.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1072	641273.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1073	641298.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1074	641323.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1075	641348.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1076	641373.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1077	641398.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1078	641423.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1079	643198.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1080	643223.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1081	643248.5	4167536.2	Roadway/Waterway	Scenario 2	--	--	--
1082	641023.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1083	641048.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1084	641073.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1085	641098.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1086	641123.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1087	641148.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1088	641173.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1089	641198.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1090	641223.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1091	641248.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1092	641273.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1093	641298.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1094	641323.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1095	641348.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1096	643173.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1097	643198.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1098	643223.5	4167561.2	Roadway/Waterway	Scenario 2	--	--	--
1099	640923.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1100	640948.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1101	640973.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1102	640998.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1103	641023.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1104	641048.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1105	641073.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1106	641098.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1107	641123.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1108	641148.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1109	641173.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1110	641198.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1111	641223.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1112	641248.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1113	641273.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1114	643148.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1115	643173.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1116	643198.5	4167586.2	Roadway/Waterway	Scenario 2	--	--	--
1117	640823.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1118	640848.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1119	640873.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1120	640898.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1121	640923.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1122	640948.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1123	640973.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1124	640998.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1125	641023.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1126	641048.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1127	641073.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1128	641098.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1129	641123.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1130	641148.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1131	641173.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1132	643123.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1133	643148.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1134	643173.5	4167611.2	Roadway/Waterway	Scenario 2	--	--	--
1135	640723.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1136	640748.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1137	640773.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1138	640798.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1139	640823.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1140	640848.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1141	640873.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1142	640898.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1143	640923.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1144	640948.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1145	640973.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1146	640998.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1147	641023.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1148	641048.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1149	641073.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1150	641098.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1151	643123.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1152	643148.5	4167636.2	Roadway/Waterway	Scenario 2	--	--	--
1153	640623.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1154	640648.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1155	640673.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1156	640698.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1157	640723.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1158	640748.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1159	640773.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1160	640798.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1161	640823.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1162	640848.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1163	640873.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1164	640898.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1165	640923.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1166	640948.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1167	640973.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1168	640998.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1169	643098.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1170	643123.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1171	643148.5	4167661.2	Roadway/Waterway	Scenario 2	--	--	--
1172	640523.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1173	640548.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1174	640573.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1175	640598.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1176	640623.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1177	640648.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1178	640673.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1179	640698.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1180	640723.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1181	640748.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1182	640773.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1183	640798.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1184	640823.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1185	640848.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1186	640873.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1187	640898.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1188	643073.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1189	643098.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1190	643123.5	4167686.2	Roadway/Waterway	Scenario 2	--	--	--
1191	640423.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1192	640448.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1193	640473.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1194	640498.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1195	640523.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1196	640548.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1197	640573.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1198	640598.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1199	640623.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1200	640648.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1201	640673.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1202	640698.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1203	640723.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1204	640748.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1205	640773.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1206	640798.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1207	643048.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1208	643073.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1209	643098.5	4167711.2	Roadway/Waterway	Scenario 2	--	--	--
1210	640373.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1211	640398.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1212	640423.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1213	640448.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1214	640473.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1215	640498.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1216	640523.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1217	640548.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1218	640573.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1219	640598.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1220	640623.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1221	640648.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1222	640673.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1223	640698.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1224	640723.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1225	643023.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1226	643048.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1227	643073.5	4167736.2	Roadway/Waterway	Scenario 2	--	--	--
1228	640323.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--
1229	640348.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1230	640373.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--
1231	640398.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--
1232	640423.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--
1233	640448.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--
1234	640473.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--
1235	640498.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--
1236	640523.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--
1237	640548.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--
1238	640573.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--
1239	640598.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--
1240	640623.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--
1241	643023.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--
1242	643048.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--
1243	643073.5	4167761.2	Roadway/Waterway	Scenario 2	--	--	--
1244	640273.5	4167786.2	Roadway/Waterway	Scenario 2	--	--	--
1245	640298.5	4167786.2	Roadway/Waterway	Scenario 2	--	--	--
1246	640323.5	4167786.2	Roadway/Waterway	Scenario 2	--	--	--
1247	640348.5	4167786.2	Roadway/Waterway	Scenario 2	--	--	--
1248	640373.5	4167786.2	Roadway/Waterway	Scenario 2	--	--	--
1249	640398.5	4167786.2	Roadway/Waterway	Scenario 2	--	--	--
1250	640423.5	4167786.2	Roadway/Waterway	Scenario 2	--	--	--
1251	640448.5	4167786.2	Roadway/Waterway	Scenario 2	--	--	--
1252	640473.5	4167786.2	Roadway/Waterway	Scenario 2	--	--	--
1253	640498.5	4167786.2	Roadway/Waterway	Scenario 2	--	--	--
1254	640523.5	4167786.2	Roadway/Waterway	Scenario 2	--	--	--
1255	642998.5	4167786.2	Roadway/Waterway	Scenario 2	--	--	--
1256	643023.5	4167786.2	Roadway/Waterway	Scenario 2	--	--	--
1257	643048.5	4167786.2	Roadway/Waterway	Scenario 2	--	--	--
1258	640223.5	4167811.2	Roadway/Waterway	Scenario 2	--	--	--
1259	640248.5	4167811.2	Roadway/Waterway	Scenario 2	--	--	--
1260	640273.5	4167811.2	Roadway/Waterway	Scenario 2	--	--	--
1261	640298.5	4167811.2	Roadway/Waterway	Scenario 2	--	--	--
1262	640323.5	4167811.2	Roadway/Waterway	Scenario 2	--	--	--
1263	640348.5	4167811.2	Roadway/Waterway	Scenario 2	--	--	--
1264	640373.5	4167811.2	Roadway/Waterway	Scenario 2	--	--	--
1265	640398.5	4167811.2	Roadway/Waterway	Scenario 2	--	--	--
1266	640423.5	4167811.2	Roadway/Waterway	Scenario 2	--	--	--
1267	642973.5	4167811.2	Roadway/Waterway	Scenario 2	--	--	--
1268	642998.5	4167811.2	Roadway/Waterway	Scenario 2	--	--	--
1269	643023.5	4167811.2	Roadway/Waterway	Scenario 2	--	--	--
1270	640198.5	4167836.2	Roadway/Waterway	Scenario 2	--	--	--
1271	640223.5	4167836.2	Roadway/Waterway	Scenario 2	--	--	--
1272	640248.5	4167836.2	Roadway/Waterway	Scenario 2	--	--	--
1273	640273.5	4167836.2	Roadway/Waterway	Scenario 2	--	--	--
1274	640298.5	4167836.2	Roadway/Waterway	Scenario 2	--	--	--
1275	640323.5	4167836.2	Roadway/Waterway	Scenario 2	--	--	--
1276	640348.5	4167836.2	Roadway/Waterway	Scenario 2	--	--	--
1277	640373.5	4167836.2	Roadway/Waterway	Scenario 2	--	--	--
1278	642923.5	4167836.2	Roadway/Waterway	Scenario 2	--	--	--
1279	642948.5	4167836.2	Roadway/Waterway	Scenario 2	--	--	--
1280	642973.5	4167836.2	Roadway/Waterway	Scenario 2	--	--	--
1281	642998.5	4167836.2	Roadway/Waterway	Scenario 2	--	--	--
1282	640148.5	4167861.2	Roadway/Waterway	Scenario 2	--	--	--
1283	640173.5	4167861.2	Roadway/Waterway	Scenario 2	--	--	--
1284	640198.5	4167861.2	Roadway/Waterway	Scenario 2	--	--	--
1285	640223.5	4167861.2	Roadway/Waterway	Scenario 2	--	--	--
1286	640248.5	4167861.2	Roadway/Waterway	Scenario 2	--	--	--
1287	640273.5	4167861.2	Roadway/Waterway	Scenario 2	--	--	--
1288	640298.5	4167861.2	Roadway/Waterway	Scenario 2	--	--	--
1289	640323.5	4167861.2	Roadway/Waterway	Scenario 2	--	--	--
1290	642898.5	4167861.2	Roadway/Waterway	Scenario 2	--	--	--
1291	642923.5	4167861.2	Roadway/Waterway	Scenario 2	--	--	--
1292	642948.5	4167861.2	Roadway/Waterway	Scenario 2	--	--	--
1293	642973.5	4167861.2	Roadway/Waterway	Scenario 2	--	--	--
1294	640123.5	4167886.2	Roadway/Waterway	Scenario 2	--	--	--
1295	640148.5	4167886.2	Roadway/Waterway	Scenario 2	--	--	--
1296	640173.5	4167886.2	Roadway/Waterway	Scenario 2	--	--	--
1297	640198.5	4167886.2	Roadway/Waterway	Scenario 2	--	--	--
1298	640223.5	4167886.2	Roadway/Waterway	Scenario 2	--	--	--
1299	640248.5	4167886.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1300	640273.5	4167886.2	Roadway/Waterway	Scenario 2	--	--	--
1301	642848.5	4167886.2	Roadway/Waterway	Scenario 2	--	--	--
1302	642873.5	4167886.2	Roadway/Waterway	Scenario 2	--	--	--
1303	642898.5	4167886.2	Roadway/Waterway	Scenario 2	--	--	--
1304	642923.5	4167886.2	Roadway/Waterway	Scenario 2	--	--	--
1305	642948.5	4167886.2	Roadway/Waterway	Scenario 2	--	--	--
1306	640073.5	4167911.2	Roadway/Waterway	Scenario 2	--	--	--
1307	640098.5	4167911.2	Roadway/Waterway	Scenario 2	--	--	--
1308	640123.5	4167911.2	Roadway/Waterway	Scenario 2	--	--	--
1309	640148.5	4167911.2	Roadway/Waterway	Scenario 2	--	--	--
1310	640173.5	4167911.2	Roadway/Waterway	Scenario 2	--	--	--
1311	640198.5	4167911.2	Roadway/Waterway	Scenario 2	--	--	--
1312	640223.5	4167911.2	Roadway/Waterway	Scenario 2	--	--	--
1313	640248.5	4167911.2	Roadway/Waterway	Scenario 2	--	--	--
1314	642823.5	4167911.2	Roadway/Waterway	Scenario 2	--	--	--
1315	642848.5	4167911.2	Roadway/Waterway	Scenario 2	--	--	--
1316	642873.5	4167911.2	Roadway/Waterway	Scenario 2	--	--	--
1317	642898.5	4167911.2	Roadway/Waterway	Scenario 2	--	--	--
1318	642923.5	4167911.2	Roadway/Waterway	Scenario 2	--	--	--
1319	640048.5	4167936.2	Roadway/Waterway	Scenario 2	--	--	--
1320	640073.5	4167936.2	Roadway/Waterway	Scenario 2	--	--	--
1321	640098.5	4167936.2	Roadway/Waterway	Scenario 2	--	--	--
1322	640123.5	4167936.2	Roadway/Waterway	Scenario 2	--	--	--
1323	640148.5	4167936.2	Roadway/Waterway	Scenario 2	--	--	--
1324	640173.5	4167936.2	Roadway/Waterway	Scenario 2	--	--	--
1325	640198.5	4167936.2	Roadway/Waterway	Scenario 2	--	--	--
1326	642773.5	4167936.2	Roadway/Waterway	Scenario 2	--	--	--
1327	642798.5	4167936.2	Roadway/Waterway	Scenario 2	--	--	--
1328	642823.5	4167936.2	Roadway/Waterway	Scenario 2	--	--	--
1329	642848.5	4167936.2	Roadway/Waterway	Scenario 2	--	--	--
1330	642873.5	4167936.2	Roadway/Waterway	Scenario 2	--	--	--
1331	639998.5	4167961.2	Roadway/Waterway	Scenario 2	--	--	--
1332	640023.5	4167961.2	Roadway/Waterway	Scenario 2	--	--	--
1333	640048.5	4167961.2	Roadway/Waterway	Scenario 2	--	--	--
1334	640073.5	4167961.2	Roadway/Waterway	Scenario 2	--	--	--
1335	640098.5	4167961.2	Roadway/Waterway	Scenario 2	--	--	--
1336	640123.5	4167961.2	Roadway/Waterway	Scenario 2	--	--	--
1337	640148.5	4167961.2	Roadway/Waterway	Scenario 2	--	--	--
1338	640173.5	4167961.2	Roadway/Waterway	Scenario 2	--	--	--
1339	642748.5	4167961.2	Roadway/Waterway	Scenario 2	--	--	--
1340	642773.5	4167961.2	Roadway/Waterway	Scenario 2	--	--	--
1341	642798.5	4167961.2	Roadway/Waterway	Scenario 2	--	--	--
1342	642823.5	4167961.2	Roadway/Waterway	Scenario 2	--	--	--
1343	642848.5	4167961.2	Roadway/Waterway	Scenario 2	--	--	--
1344	639973.5	4167986.2	Roadway/Waterway	Scenario 2	--	--	--
1345	639998.5	4167986.2	Roadway/Waterway	Scenario 2	--	--	--
1346	640023.5	4167986.2	Roadway/Waterway	Scenario 2	--	--	--
1347	640048.5	4167986.2	Roadway/Waterway	Scenario 2	--	--	--
1348	640073.5	4167986.2	Roadway/Waterway	Scenario 2	--	--	--
1349	640098.5	4167986.2	Roadway/Waterway	Scenario 2	--	--	--
1350	640123.5	4167986.2	Roadway/Waterway	Scenario 2	--	--	--
1351	642698.5	4167986.2	Roadway/Waterway	Scenario 2	--	--	--
1352	642723.5	4167986.2	Roadway/Waterway	Scenario 2	--	--	--
1353	642748.5	4167986.2	Roadway/Waterway	Scenario 2	--	--	--
1354	642773.5	4167986.2	Roadway/Waterway	Scenario 2	--	--	--
1355	642798.5	4167986.2	Roadway/Waterway	Scenario 2	--	--	--
1356	639923.5	4168011.2	Roadway/Waterway	Scenario 2	--	--	--
1357	639948.5	4168011.2	Roadway/Waterway	Scenario 2	--	--	--
1358	639973.5	4168011.2	Roadway/Waterway	Scenario 2	--	--	--
1359	639998.5	4168011.2	Roadway/Waterway	Scenario 2	--	--	--
1360	640023.5	4168011.2	Roadway/Waterway	Scenario 2	--	--	--
1361	640048.5	4168011.2	Roadway/Waterway	Scenario 2	--	--	--
1362	640073.5	4168011.2	Roadway/Waterway	Scenario 2	--	--	--
1363	640098.5	4168011.2	Roadway/Waterway	Scenario 2	--	--	--
1364	642648.5	4168011.2	Roadway/Waterway	Scenario 2	--	--	--
1365	642673.5	4168011.2	Roadway/Waterway	Scenario 2	--	--	--
1366	642698.5	4168011.2	Roadway/Waterway	Scenario 2	--	--	--
1367	642723.5	4168011.2	Roadway/Waterway	Scenario 2	--	--	--
1368	642748.5	4168011.2	Roadway/Waterway	Scenario 2	--	--	--
1369	642773.5	4168011.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1370	639898.5	4168036.2	Roadway/Waterway	Scenario 2	--	--	--
1371	639923.5	4168036.2	Roadway/Waterway	Scenario 2	--	--	--
1372	639948.5	4168036.2	Roadway/Waterway	Scenario 2	--	--	--
1373	639973.5	4168036.2	Roadway/Waterway	Scenario 2	--	--	--
1374	639998.5	4168036.2	Roadway/Waterway	Scenario 2	--	--	--
1375	640023.5	4168036.2	Roadway/Waterway	Scenario 2	--	--	--
1376	640048.5	4168036.2	Roadway/Waterway	Scenario 2	--	--	--
1377	642623.5	4168036.2	Roadway/Waterway	Scenario 2	--	--	--
1378	642648.5	4168036.2	Roadway/Waterway	Scenario 2	--	--	--
1379	642673.5	4168036.2	Roadway/Waterway	Scenario 2	--	--	--
1380	642698.5	4168036.2	Roadway/Waterway	Scenario 2	--	--	--
1381	642723.5	4168036.2	Roadway/Waterway	Scenario 2	--	--	--
1382	639848.5	4168061.2	Roadway/Waterway	Scenario 2	--	--	--
1383	639873.5	4168061.2	Roadway/Waterway	Scenario 2	--	--	--
1384	639898.5	4168061.2	Roadway/Waterway	Scenario 2	--	--	--
1385	639923.5	4168061.2	Roadway/Waterway	Scenario 2	--	--	--
1386	639948.5	4168061.2	Roadway/Waterway	Scenario 2	--	--	--
1387	639973.5	4168061.2	Roadway/Waterway	Scenario 2	--	--	--
1388	639998.5	4168061.2	Roadway/Waterway	Scenario 2	--	--	--
1389	642573.5	4168061.2	Roadway/Waterway	Scenario 2	--	--	--
1390	642598.5	4168061.2	Roadway/Waterway	Scenario 2	--	--	--
1391	642623.5	4168061.2	Roadway/Waterway	Scenario 2	--	--	--
1392	642648.5	4168061.2	Roadway/Waterway	Scenario 2	--	--	--
1393	642673.5	4168061.2	Roadway/Waterway	Scenario 2	--	--	--
1394	639823.5	4168086.2	Roadway/Waterway	Scenario 2	--	--	--
1395	639848.5	4168086.2	Roadway/Waterway	Scenario 2	--	--	--
1396	639873.5	4168086.2	Roadway/Waterway	Scenario 2	--	--	--
1397	639898.5	4168086.2	Roadway/Waterway	Scenario 2	--	--	--
1398	639923.5	4168086.2	Roadway/Waterway	Scenario 2	--	--	--
1399	639948.5	4168086.2	Roadway/Waterway	Scenario 2	--	--	--
1400	639973.5	4168086.2	Roadway/Waterway	Scenario 2	--	--	--
1401	642548.5	4168086.2	Roadway/Waterway	Scenario 2	--	--	--
1402	642573.5	4168086.2	Roadway/Waterway	Scenario 2	--	--	--
1403	642598.5	4168086.2	Roadway/Waterway	Scenario 2	--	--	--
1404	642623.5	4168086.2	Roadway/Waterway	Scenario 2	--	--	--
1405	642648.5	4168086.2	Roadway/Waterway	Scenario 2	--	--	--
1406	639773.5	4168111.2	Roadway/Waterway	Scenario 2	--	--	--
1407	639798.5	4168111.2	Roadway/Waterway	Scenario 2	--	--	--
1408	639823.5	4168111.2	Roadway/Waterway	Scenario 2	--	--	--
1409	639848.5	4168111.2	Roadway/Waterway	Scenario 2	--	--	--
1410	639873.5	4168111.2	Roadway/Waterway	Scenario 2	--	--	--
1411	639898.5	4168111.2	Roadway/Waterway	Scenario 2	--	--	--
1412	639923.5	4168111.2	Roadway/Waterway	Scenario 2	--	--	--
1413	642498.5	4168111.2	Roadway/Waterway	Scenario 2	--	--	--
1414	642523.5	4168111.2	Roadway/Waterway	Scenario 2	--	--	--
1415	642548.5	4168111.2	Roadway/Waterway	Scenario 2	--	--	--
1416	642573.5	4168111.2	Roadway/Waterway	Scenario 2	--	--	--
1417	642598.5	4168111.2	Roadway/Waterway	Scenario 2	--	--	--
1418	639748.5	4168136.2	Roadway/Waterway	Scenario 2	--	--	--
1419	639773.5	4168136.2	Roadway/Waterway	Scenario 2	--	--	--
1420	639798.5	4168136.2	Roadway/Waterway	Scenario 2	--	--	--
1421	639823.5	4168136.2	Roadway/Waterway	Scenario 2	--	--	--
1422	639848.5	4168136.2	Roadway/Waterway	Scenario 2	--	--	--
1423	639873.5	4168136.2	Roadway/Waterway	Scenario 2	--	--	--
1424	639898.5	4168136.2	Roadway/Waterway	Scenario 2	--	--	--
1425	642473.5	4168136.2	Roadway/Waterway	Scenario 2	--	--	--
1426	642498.5	4168136.2	Roadway/Waterway	Scenario 2	--	--	--
1427	642523.5	4168136.2	Roadway/Waterway	Scenario 2	--	--	--
1428	642548.5	4168136.2	Roadway/Waterway	Scenario 2	--	--	--
1429	642573.5	4168136.2	Roadway/Waterway	Scenario 2	--	--	--
1430	639698.5	4168161.2	Roadway/Waterway	Scenario 2	--	--	--
1431	639723.5	4168161.2	Roadway/Waterway	Scenario 2	--	--	--
1432	639748.5	4168161.2	Roadway/Waterway	Scenario 2	--	--	--
1433	639773.5	4168161.2	Roadway/Waterway	Scenario 2	--	--	--
1434	639798.5	4168161.2	Roadway/Waterway	Scenario 2	--	--	--
1435	639823.5	4168161.2	Roadway/Waterway	Scenario 2	--	--	--
1436	639848.5	4168161.2	Roadway/Waterway	Scenario 2	--	--	--
1437	642448.5	4168161.2	Roadway/Waterway	Scenario 2	--	--	--
1438	642473.5	4168161.2	Roadway/Waterway	Scenario 2	--	--	--
1439	642498.5	4168161.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1440	642523.5	4168161.2	Roadway/Waterway	Scenario 2	--	--	--
1441	639673.5	4168186.2	Roadway/Waterway	Scenario 2	--	--	--
1442	639698.5	4168186.2	Roadway/Waterway	Scenario 2	--	--	--
1443	639723.5	4168186.2	Roadway/Waterway	Scenario 2	--	--	--
1444	639748.5	4168186.2	Roadway/Waterway	Scenario 2	--	--	--
1445	639773.5	4168186.2	Roadway/Waterway	Scenario 2	--	--	--
1446	639798.5	4168186.2	Roadway/Waterway	Scenario 2	--	--	--
1447	639823.5	4168186.2	Roadway/Waterway	Scenario 2	--	--	--
1448	642423.5	4168186.2	Roadway/Waterway	Scenario 2	--	--	--
1449	642448.5	4168186.2	Roadway/Waterway	Scenario 2	--	--	--
1450	642473.5	4168186.2	Roadway/Waterway	Scenario 2	--	--	--
1451	642498.5	4168186.2	Roadway/Waterway	Scenario 2	--	--	--
1452	639648.5	4168211.2	Roadway/Waterway	Scenario 2	--	--	--
1453	639673.5	4168211.2	Roadway/Waterway	Scenario 2	--	--	--
1454	639698.5	4168211.2	Roadway/Waterway	Scenario 2	--	--	--
1455	639723.5	4168211.2	Roadway/Waterway	Scenario 2	--	--	--
1456	639748.5	4168211.2	Roadway/Waterway	Scenario 2	--	--	--
1457	639773.5	4168211.2	Roadway/Waterway	Scenario 2	--	--	--
1458	642398.5	4168211.2	Roadway/Waterway	Scenario 2	--	--	--
1459	642423.5	4168211.2	Roadway/Waterway	Scenario 2	--	--	--
1460	642448.5	4168211.2	Roadway/Waterway	Scenario 2	--	--	--
1461	642473.5	4168211.2	Roadway/Waterway	Scenario 2	--	--	--
1462	639648.5	4168236.2	Roadway/Waterway	Scenario 2	--	--	--
1463	639673.5	4168236.2	Roadway/Waterway	Scenario 2	--	--	--
1464	639698.5	4168236.2	Roadway/Waterway	Scenario 2	--	--	--
1465	639723.5	4168236.2	Roadway/Waterway	Scenario 2	--	--	--
1466	639748.5	4168236.2	Roadway/Waterway	Scenario 2	--	--	--
1467	642373.5	4168236.2	Roadway/Waterway	Scenario 2	--	--	--
1468	642398.5	4168236.2	Roadway/Waterway	Scenario 2	--	--	--
1469	642423.5	4168236.2	Roadway/Waterway	Scenario 2	--	--	--
1470	642448.5	4168236.2	Roadway/Waterway	Scenario 2	--	--	--
1471	639648.5	4168261.2	Roadway/Waterway	Scenario 2	--	--	--
1472	639673.5	4168261.2	Roadway/Waterway	Scenario 2	--	--	--
1473	639698.5	4168261.2	Roadway/Waterway	Scenario 2	--	--	--
1474	642348.5	4168261.2	Roadway/Waterway	Scenario 2	--	--	--
1475	642373.5	4168261.2	Roadway/Waterway	Scenario 2	--	--	--
1476	642398.5	4168261.2	Roadway/Waterway	Scenario 2	--	--	--
1477	642423.5	4168261.2	Roadway/Waterway	Scenario 2	--	--	--
1478	639648.5	4168286.2	Roadway/Waterway	Scenario 2	--	--	--
1479	639673.5	4168286.2	Roadway/Waterway	Scenario 2	--	--	--
1480	642298.5	4168286.2	Roadway/Waterway	Scenario 2	--	--	--
1481	642323.5	4168286.2	Roadway/Waterway	Scenario 2	--	--	--
1482	642348.5	4168286.2	Roadway/Waterway	Scenario 2	--	--	--
1483	642373.5	4168286.2	Roadway/Waterway	Scenario 2	--	--	--
1484	642398.5	4168286.2	Roadway/Waterway	Scenario 2	--	--	--
1485	639723.5	4168311.2	Roadway/Waterway	Scenario 2	--	--	--
1486	642248.5	4168311.2	Roadway/Waterway	Scenario 2	--	--	--
1487	642273.5	4168311.2	Roadway/Waterway	Scenario 2	--	--	--
1488	642298.5	4168311.2	Roadway/Waterway	Scenario 2	--	--	--
1489	642323.5	4168311.2	Roadway/Waterway	Scenario 2	--	--	--
1490	642348.5	4168311.2	Roadway/Waterway	Scenario 2	--	--	--
1491	642373.5	4168311.2	Roadway/Waterway	Scenario 2	--	--	--
1492	639723.5	4168336.2	Roadway/Waterway	Scenario 2	--	--	--
1493	642198.5	4168336.2	Roadway/Waterway	Scenario 2	--	--	--
1494	642223.5	4168336.2	Roadway/Waterway	Scenario 2	--	--	--
1495	642248.5	4168336.2	Roadway/Waterway	Scenario 2	--	--	--
1496	642273.5	4168336.2	Roadway/Waterway	Scenario 2	--	--	--
1497	642298.5	4168336.2	Roadway/Waterway	Scenario 2	--	--	--
1498	642323.5	4168336.2	Roadway/Waterway	Scenario 2	--	--	--
1499	639373.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--
1500	639398.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--
1501	639423.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--
1502	639448.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--
1503	639473.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--
1504	639498.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--
1505	639523.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--
1506	639548.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--
1507	639723.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--
1508	642148.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--
1509	642173.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1510	642198.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--
1511	642223.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--
1512	642248.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--
1513	642273.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--
1514	642298.5	4168361.2	Roadway/Waterway	Scenario 2	--	--	--
1515	639323.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1516	639348.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1517	639373.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1518	639398.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1519	639423.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1520	639448.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1521	639473.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1522	639498.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1523	639723.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1524	642098.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1525	642123.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1526	642148.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1527	642173.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1528	642198.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1529	642223.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1530	642248.5	4168386.2	Roadway/Waterway	Scenario 2	--	--	--
1531	639298.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1532	639323.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1533	639348.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1534	639373.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1535	639398.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1536	639423.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1537	639448.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1538	639473.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1539	639723.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1540	642023.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1541	642048.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1542	642073.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1543	642098.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1544	642123.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1545	642148.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1546	642173.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1547	642198.5	4168411.2	Roadway/Waterway	Scenario 2	--	--	--
1548	639248.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1549	639273.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1550	639298.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1551	639323.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1552	639348.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1553	639373.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1554	639398.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1555	639423.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1556	639723.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1557	641973.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1558	641998.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1559	642023.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1560	642048.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1561	642073.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1562	642098.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1563	642123.5	4168436.2	Roadway/Waterway	Scenario 2	--	--	--
1564	639198.5	4168461.2	Roadway/Waterway	Scenario 2	--	--	--
1565	639223.5	4168461.2	Roadway/Waterway	Scenario 2	--	--	--
1566	639248.5	4168461.2	Roadway/Waterway	Scenario 2	--	--	--
1567	639273.5	4168461.2	Roadway/Waterway	Scenario 2	--	--	--
1568	639298.5	4168461.2	Roadway/Waterway	Scenario 2	--	--	--
1569	639323.5	4168461.2	Roadway/Waterway	Scenario 2	--	--	--
1570	639348.5	4168461.2	Roadway/Waterway	Scenario 2	--	--	--
1571	639373.5	4168461.2	Roadway/Waterway	Scenario 2	--	--	--
1572	641923.5	4168461.2	Roadway/Waterway	Scenario 2	--	--	--
1573	641948.5	4168461.2	Roadway/Waterway	Scenario 2	--	--	--
1574	641973.5	4168461.2	Roadway/Waterway	Scenario 2	--	--	--
1575	641998.5	4168461.2	Roadway/Waterway	Scenario 2	--	--	--
1576	642023.5	4168461.2	Roadway/Waterway	Scenario 2	--	--	--
1577	642048.5	4168461.2	Roadway/Waterway	Scenario 2	--	--	--
1578	642073.5	4168461.2	Roadway/Waterway	Scenario 2	--	--	--
1579	639173.5	4168486.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1580	639198.5	4168486.2	Roadway/Waterway	Scenario 2	--	--	--
1581	639223.5	4168486.2	Roadway/Waterway	Scenario 2	--	--	--
1582	639248.5	4168486.2	Roadway/Waterway	Scenario 2	--	--	--
1583	639273.5	4168486.2	Roadway/Waterway	Scenario 2	--	--	--
1584	639298.5	4168486.2	Roadway/Waterway	Scenario 2	--	--	--
1585	639323.5	4168486.2	Roadway/Waterway	Scenario 2	--	--	--
1586	641848.5	4168486.2	Roadway/Waterway	Scenario 2	--	--	--
1587	641873.5	4168486.2	Roadway/Waterway	Scenario 2	--	--	--
1588	641898.5	4168486.2	Roadway/Waterway	Scenario 2	--	--	--
1589	641923.5	4168486.2	Roadway/Waterway	Scenario 2	--	--	--
1590	641948.5	4168486.2	Roadway/Waterway	Scenario 2	--	--	--
1591	641973.5	4168486.2	Roadway/Waterway	Scenario 2	--	--	--
1592	641998.5	4168486.2	Roadway/Waterway	Scenario 2	--	--	--
1593	642023.5	4168486.2	Roadway/Waterway	Scenario 2	--	--	--
1594	639123.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1595	639148.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1596	639173.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1597	639198.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1598	639223.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1599	639248.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1600	639273.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1601	639298.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1602	641348.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1603	641798.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1604	641823.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1605	641848.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1606	641873.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1607	641898.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1608	641923.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1609	641948.5	4168511.2	Roadway/Waterway	Scenario 2	--	--	--
1610	639073.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1611	639098.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1612	639123.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1613	639148.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1614	639173.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1615	639198.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1616	639223.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1617	639248.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1618	641348.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1619	641723.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1620	641748.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1621	641773.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1622	641798.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1623	641823.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1624	641848.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1625	641873.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1626	641898.5	4168536.2	Roadway/Waterway	Scenario 2	--	--	--
1627	639048.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1628	639073.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1629	639098.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1630	639123.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1631	639148.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1632	639173.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1633	639198.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1634	641348.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1635	641648.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1636	641673.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1637	641698.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1638	641723.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1639	641748.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1640	641773.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1641	641798.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1642	641823.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1643	641848.5	4168561.2	Roadway/Waterway	Scenario 2	--	--	--
1644	638998.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1645	639023.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1646	639048.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1647	639073.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1648	639098.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1649	639123.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1650	639148.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1651	639173.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1652	641348.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1653	641573.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1654	641598.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1655	641623.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1656	641648.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1657	641673.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1658	641698.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1659	641723.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1660	641748.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1661	641773.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1662	641798.5	4168586.2	Roadway/Waterway	Scenario 2	--	--	--
1663	638948.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1664	638973.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1665	638998.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1666	639023.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1667	639048.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1668	639073.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1669	639098.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1670	639123.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1671	641348.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1672	641498.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1673	641523.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1674	641548.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1675	641573.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1676	641598.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1677	641623.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1678	641648.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1679	641673.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1680	641698.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1681	641723.5	4168611.2	Roadway/Waterway	Scenario 2	--	--	--
1682	638923.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1683	638948.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1684	638973.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1685	638998.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1686	639023.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1687	639048.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1688	639073.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1689	641348.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1690	641423.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1691	641448.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1692	641473.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1693	641498.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1694	641523.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1695	641548.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1696	641573.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1697	641598.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1698	641623.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1699	641648.5	4168636.2	Roadway/Waterway	Scenario 2	--	--	--
1700	638873.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1701	638898.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1702	638923.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1703	638948.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1704	638973.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1705	638998.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1706	639023.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1707	639048.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1708	641348.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1709	641373.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1710	641398.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1711	641423.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1712	641448.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1713	641473.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1714	641498.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1715	641523.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1716	641548.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1717	641573.5	4168661.2	Roadway/Waterway	Scenario 2	--	--	--
1718	638823.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1719	638848.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1720	638873.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1721	638898.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1722	638923.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1723	638948.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1724	638973.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1725	638998.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1726	641273.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1727	641298.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1728	641323.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1729	641348.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1730	641373.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1731	641398.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1732	641423.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1733	641448.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1734	641473.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1735	641498.5	4168686.2	Roadway/Waterway	Scenario 2	--	--	--
1736	638773.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1737	638798.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1738	638823.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1739	638848.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1740	638873.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1741	638898.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1742	638923.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1743	638948.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1744	641198.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1745	641223.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1746	641248.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1747	641273.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1748	641298.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1749	641323.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1750	641348.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1751	641373.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1752	641398.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1753	641423.5	4168711.2	Roadway/Waterway	Scenario 2	--	--	--
1754	638748.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1755	638773.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1756	638798.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1757	638823.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1758	638848.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1759	638873.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1760	638898.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1761	638923.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1762	640123.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1763	640148.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1764	640173.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1765	640198.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1766	640223.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1767	640248.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1768	640273.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1769	640298.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1770	641123.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1771	641148.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1772	641173.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1773	641198.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1774	641223.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1775	641248.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1776	641273.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1777	641298.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1778	641323.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1779	641348.5	4168736.2	Roadway/Waterway	Scenario 2	--	--	--
1780	638698.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1781	638723.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1782	638748.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1783	638773.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1784	638798.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1785	638823.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1786	638848.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1787	638873.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1788	640098.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1789	640123.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1790	640148.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1791	640173.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1792	640198.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1793	640223.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1794	640248.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1795	640273.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1796	640298.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1797	640323.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1798	640348.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1799	641048.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1800	641073.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1801	641098.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1802	641123.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1803	641148.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1804	641173.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1805	641198.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1806	641223.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1807	641248.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1808	641273.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
1809	638673.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1810	638698.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1811	638723.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1812	638748.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1813	638773.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1814	638798.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1815	638823.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1816	640048.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1817	640073.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1818	640098.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1819	640123.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1820	640148.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1821	640173.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1822	640198.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1823	640223.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1824	640248.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1825	640273.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1826	640298.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1827	640323.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1828	640348.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1829	640373.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1830	640398.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1831	640973.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1832	640998.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1833	641023.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1834	641048.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1835	641073.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1836	641098.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1837	641123.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1838	641148.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1839	641173.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1840	641198.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1841	641223.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
1842	638648.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1843	638673.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1844	638698.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1845	638723.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1846	638748.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1847	638773.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1848	638798.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1849	640048.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1850	640073.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1851	640098.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1852	640123.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1853	640148.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1854	640173.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1855	640198.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1856	640223.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1857	640248.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1858	640273.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1859	640298.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1860	640323.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1861	640348.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1862	640373.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1863	640398.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1864	640423.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1865	640448.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1866	640898.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1867	640923.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1868	640948.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1869	640973.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1870	640998.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1871	641023.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1872	641048.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1873	641073.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1874	641098.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1875	641123.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1876	641148.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
1877	638598.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1878	638623.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1879	638648.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1880	638673.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1881	638698.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1882	638723.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1883	638748.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1884	640023.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1885	640048.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1886	640073.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1887	640098.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1888	640123.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1889	640148.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1890	640298.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1891	640323.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1892	640348.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1893	640373.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1894	640398.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1895	640423.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1896	640448.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1897	640473.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1898	640498.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1899	640823.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1900	640848.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1901	640873.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1902	640898.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1903	640923.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1904	640948.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1905	640973.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1906	640998.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1907	641023.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1908	641048.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1909	641073.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
1910	638573.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1911	638598.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1912	638623.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1913	638648.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1914	638673.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1915	638698.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1916	638723.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1917	639998.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1918	640023.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1919	640048.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1920	640073.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1921	640098.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1922	640348.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1923	640373.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1924	640398.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1925	640423.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1926	640448.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1927	640473.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1928	640498.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1929	640523.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1930	640548.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1931	640748.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1932	640773.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1933	640798.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1934	640823.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1935	640848.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1936	640873.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1937	640898.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1938	640923.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1939	640948.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1940	640973.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1941	640998.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
1942	638548.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1943	638573.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1944	638598.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1945	638623.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1946	638648.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1947	638673.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1948	639973.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1949	639998.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1950	640023.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1951	640048.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1952	640073.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1953	640398.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1954	640423.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1955	640448.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1956	640473.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1957	640498.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1958	640523.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1959	640548.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1960	640573.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1961	640598.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1962	640623.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1963	640648.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1964	640673.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1965	640698.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1966	640723.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1967	640748.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1968	640773.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1969	640798.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1970	640823.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1971	640848.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1972	640873.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1973	640898.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1974	640923.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
1975	638523.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1976	638548.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1977	638573.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1978	638598.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1979	638623.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1980	638648.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1981	639948.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1982	639973.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1983	639998.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1984	640023.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1985	640048.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1986	640448.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1987	640473.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1988	640498.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1989	640523.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1990	640548.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1991	640573.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1992	640598.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1993	640623.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1994	640648.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1995	640673.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1996	640698.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1997	640723.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1998	640748.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
1999	640773.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2000	640798.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
2001	640823.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
2002	640848.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
2003	638473.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2004	638498.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2005	638523.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2006	638548.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2007	638573.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2008	638598.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2009	638623.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2010	639923.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2011	639948.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2012	639973.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2013	639998.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2014	640023.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2015	640448.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2016	640473.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2017	640498.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2018	640523.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2019	640548.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2020	640573.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2021	640598.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2022	640623.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2023	640648.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2024	640673.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2025	640698.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2026	640723.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2027	640748.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
2028	638448.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2029	638473.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2030	638498.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2031	638523.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2032	638548.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2033	638573.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2034	639898.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2035	639923.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2036	639948.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2037	639973.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2038	639998.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2039	640023.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2040	640448.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2041	640473.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2042	640498.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2043	640523.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2044	640598.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2045	640623.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2046	640648.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2047	640673.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
2048	638423.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2049	638448.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2050	638473.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2051	638498.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2052	638523.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2053	638548.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2054	639873.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2055	639898.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2056	639923.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2057	639948.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2058	639973.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2059	639998.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2060	640448.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2061	640473.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2062	640498.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2063	640523.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
2064	638398.5	4169011.2	Roadway/Waterway	Scenario 2	--	--	--
2065	638423.5	4169011.2	Roadway/Waterway	Scenario 2	--	--	--
2066	638448.5	4169011.2	Roadway/Waterway	Scenario 2	--	--	--
2067	638473.5	4169011.2	Roadway/Waterway	Scenario 2	--	--	--
2068	638498.5	4169011.2	Roadway/Waterway	Scenario 2	--	--	--
2069	638523.5	4169011.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2070	639848.5	4169011.2	Roadway/Waterway	Scenario 2	--	--	--
2071	639873.5	4169011.2	Roadway/Waterway	Scenario 2	--	--	--
2072	639898.5	4169011.2	Roadway/Waterway	Scenario 2	--	--	--
2073	639923.5	4169011.2	Roadway/Waterway	Scenario 2	--	--	--
2074	639948.5	4169011.2	Roadway/Waterway	Scenario 2	--	--	--
2075	639973.5	4169011.2	Roadway/Waterway	Scenario 2	--	--	--
2076	640473.5	4169011.2	Roadway/Waterway	Scenario 2	--	--	--
2077	640498.5	4169011.2	Roadway/Waterway	Scenario 2	--	--	--
2078	638373.5	4169036.2	Roadway/Waterway	Scenario 2	--	--	--
2079	638398.5	4169036.2	Roadway/Waterway	Scenario 2	--	--	--
2080	638423.5	4169036.2	Roadway/Waterway	Scenario 2	--	--	--
2081	638448.5	4169036.2	Roadway/Waterway	Scenario 2	--	--	--
2082	638473.5	4169036.2	Roadway/Waterway	Scenario 2	--	--	--
2083	638498.5	4169036.2	Roadway/Waterway	Scenario 2	--	--	--
2084	639823.5	4169036.2	Roadway/Waterway	Scenario 2	--	--	--
2085	639848.5	4169036.2	Roadway/Waterway	Scenario 2	--	--	--
2086	639873.5	4169036.2	Roadway/Waterway	Scenario 2	--	--	--
2087	639898.5	4169036.2	Roadway/Waterway	Scenario 2	--	--	--
2088	639923.5	4169036.2	Roadway/Waterway	Scenario 2	--	--	--
2089	639948.5	4169036.2	Roadway/Waterway	Scenario 2	--	--	--
2090	640498.5	4169036.2	Roadway/Waterway	Scenario 2	--	--	--
2091	638348.5	4169061.2	Roadway/Waterway	Scenario 2	--	--	--
2092	638373.5	4169061.2	Roadway/Waterway	Scenario 2	--	--	--
2093	638398.5	4169061.2	Roadway/Waterway	Scenario 2	--	--	--
2094	638423.5	4169061.2	Roadway/Waterway	Scenario 2	--	--	--
2095	638448.5	4169061.2	Roadway/Waterway	Scenario 2	--	--	--
2096	639823.5	4169061.2	Roadway/Waterway	Scenario 2	--	--	--
2097	639848.5	4169061.2	Roadway/Waterway	Scenario 2	--	--	--
2098	639873.5	4169061.2	Roadway/Waterway	Scenario 2	--	--	--
2099	639898.5	4169061.2	Roadway/Waterway	Scenario 2	--	--	--
2100	639923.5	4169061.2	Roadway/Waterway	Scenario 2	--	--	--
2101	640498.5	4169061.2	Roadway/Waterway	Scenario 2	--	--	--
2102	638323.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2103	638348.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2104	638373.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2105	638398.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2106	638423.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2107	638448.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2108	639648.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2109	639673.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2110	639698.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2111	639723.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2112	639748.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2113	639773.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2114	639798.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2115	639823.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2116	639848.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2117	639873.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2118	639898.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2119	640498.5	4169086.2	Roadway/Waterway	Scenario 2	--	--	--
2120	638298.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2121	638323.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2122	638348.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2123	638373.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2124	638398.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2125	638423.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2126	639598.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2127	639623.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2128	639648.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2129	639673.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2130	639698.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2131	639723.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2132	639748.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2133	639773.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2134	639798.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2135	639823.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2136	639848.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2137	639873.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2138	640498.5	4169111.2	Roadway/Waterway	Scenario 2	--	--	--
2139	638273.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2140	638298.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2141	638323.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2142	638348.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2143	638373.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2144	638398.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2145	639573.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2146	639598.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2147	639623.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2148	639648.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2149	639673.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2150	639698.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2151	639723.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2152	639748.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2153	639773.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2154	639798.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2155	639823.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2156	639848.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2157	640498.5	4169136.2	Roadway/Waterway	Scenario 2	--	--	--
2158	638248.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2159	638273.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2160	638298.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2161	638323.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2162	638348.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2163	638373.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2164	639548.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2165	639573.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2166	639598.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2167	639623.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2168	639648.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2169	639673.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2170	639698.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2171	639723.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2172	639748.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2173	639773.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2174	639798.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2175	639823.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2176	640498.5	4169161.2	Roadway/Waterway	Scenario 2	--	--	--
2177	638223.5	4169186.2	Roadway/Waterway	Scenario 2	--	--	--
2178	638248.5	4169186.2	Roadway/Waterway	Scenario 2	--	--	--
2179	638273.5	4169186.2	Roadway/Waterway	Scenario 2	--	--	--
2180	638298.5	4169186.2	Roadway/Waterway	Scenario 2	--	--	--
2181	638323.5	4169186.2	Roadway/Waterway	Scenario 2	--	--	--
2182	638348.5	4169186.2	Roadway/Waterway	Scenario 2	--	--	--
2183	639548.5	4169186.2	Roadway/Waterway	Scenario 2	--	--	--
2184	639573.5	4169186.2	Roadway/Waterway	Scenario 2	--	--	--
2185	639598.5	4169186.2	Roadway/Waterway	Scenario 2	--	--	--
2186	639623.5	4169186.2	Roadway/Waterway	Scenario 2	--	--	--
2187	639648.5	4169186.2	Roadway/Waterway	Scenario 2	--	--	--
2188	640498.5	4169186.2	Roadway/Waterway	Scenario 2	--	--	--
2189	638198.5	4169211.2	Roadway/Waterway	Scenario 2	--	--	--
2190	638223.5	4169211.2	Roadway/Waterway	Scenario 2	--	--	--
2191	638248.5	4169211.2	Roadway/Waterway	Scenario 2	--	--	--
2192	638273.5	4169211.2	Roadway/Waterway	Scenario 2	--	--	--
2193	638298.5	4169211.2	Roadway/Waterway	Scenario 2	--	--	--
2194	638323.5	4169211.2	Roadway/Waterway	Scenario 2	--	--	--
2195	639523.5	4169211.2	Roadway/Waterway	Scenario 2	--	--	--
2196	639548.5	4169211.2	Roadway/Waterway	Scenario 2	--	--	--
2197	639573.5	4169211.2	Roadway/Waterway	Scenario 2	--	--	--
2198	639598.5	4169211.2	Roadway/Waterway	Scenario 2	--	--	--
2199	639623.5	4169211.2	Roadway/Waterway	Scenario 2	--	--	--
2200	638173.5	4169236.2	Roadway/Waterway	Scenario 2	--	--	--
2201	638198.5	4169236.2	Roadway/Waterway	Scenario 2	--	--	--
2202	638223.5	4169236.2	Roadway/Waterway	Scenario 2	--	--	--
2203	638248.5	4169236.2	Roadway/Waterway	Scenario 2	--	--	--
2204	638273.5	4169236.2	Roadway/Waterway	Scenario 2	--	--	--
2205	638298.5	4169236.2	Roadway/Waterway	Scenario 2	--	--	--
2206	639523.5	4169236.2	Roadway/Waterway	Scenario 2	--	--	--
2207	639548.5	4169236.2	Roadway/Waterway	Scenario 2	--	--	--
2208	639573.5	4169236.2	Roadway/Waterway	Scenario 2	--	--	--
2209	639598.5	4169236.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2210	638148.5	4169261.2	Roadway/Waterway	Scenario 2	--	--	--
2211	638173.5	4169261.2	Roadway/Waterway	Scenario 2	--	--	--
2212	638198.5	4169261.2	Roadway/Waterway	Scenario 2	--	--	--
2213	638223.5	4169261.2	Roadway/Waterway	Scenario 2	--	--	--
2214	638248.5	4169261.2	Roadway/Waterway	Scenario 2	--	--	--
2215	638273.5	4169261.2	Roadway/Waterway	Scenario 2	--	--	--
2216	639498.5	4169261.2	Roadway/Waterway	Scenario 2	--	--	--
2217	639523.5	4169261.2	Roadway/Waterway	Scenario 2	--	--	--
2218	639548.5	4169261.2	Roadway/Waterway	Scenario 2	--	--	--
2219	639573.5	4169261.2	Roadway/Waterway	Scenario 2	--	--	--
2220	639598.5	4169261.2	Roadway/Waterway	Scenario 2	--	--	--
2221	638123.5	4169286.2	Roadway/Waterway	Scenario 2	--	--	--
2222	638148.5	4169286.2	Roadway/Waterway	Scenario 2	--	--	--
2223	638173.5	4169286.2	Roadway/Waterway	Scenario 2	--	--	--
2224	638198.5	4169286.2	Roadway/Waterway	Scenario 2	--	--	--
2225	638223.5	4169286.2	Roadway/Waterway	Scenario 2	--	--	--
2226	638248.5	4169286.2	Roadway/Waterway	Scenario 2	--	--	--
2227	639473.5	4169286.2	Roadway/Waterway	Scenario 2	--	--	--
2228	639498.5	4169286.2	Roadway/Waterway	Scenario 2	--	--	--
2229	639523.5	4169286.2	Roadway/Waterway	Scenario 2	--	--	--
2230	639548.5	4169286.2	Roadway/Waterway	Scenario 2	--	--	--
2231	639573.5	4169286.2	Roadway/Waterway	Scenario 2	--	--	--
2232	638098.5	4169311.2	Roadway/Waterway	Scenario 2	--	--	--
2233	638123.5	4169311.2	Roadway/Waterway	Scenario 2	--	--	--
2234	638148.5	4169311.2	Roadway/Waterway	Scenario 2	--	--	--
2235	638173.5	4169311.2	Roadway/Waterway	Scenario 2	--	--	--
2236	638198.5	4169311.2	Roadway/Waterway	Scenario 2	--	--	--
2237	638223.5	4169311.2	Roadway/Waterway	Scenario 2	--	--	--
2238	639473.5	4169311.2	Roadway/Waterway	Scenario 2	--	--	--
2239	639498.5	4169311.2	Roadway/Waterway	Scenario 2	--	--	--
2240	639523.5	4169311.2	Roadway/Waterway	Scenario 2	--	--	--
2241	639548.5	4169311.2	Roadway/Waterway	Scenario 2	--	--	--
2242	638073.5	4169336.2	Roadway/Waterway	Scenario 2	--	--	--
2243	638098.5	4169336.2	Roadway/Waterway	Scenario 2	--	--	--
2244	638123.5	4169336.2	Roadway/Waterway	Scenario 2	--	--	--
2245	638148.5	4169336.2	Roadway/Waterway	Scenario 2	--	--	--
2246	638173.5	4169336.2	Roadway/Waterway	Scenario 2	--	--	--
2247	638198.5	4169336.2	Roadway/Waterway	Scenario 2	--	--	--
2248	639448.5	4169336.2	Roadway/Waterway	Scenario 2	--	--	--
2249	639473.5	4169336.2	Roadway/Waterway	Scenario 2	--	--	--
2250	639498.5	4169336.2	Roadway/Waterway	Scenario 2	--	--	--
2251	639523.5	4169336.2	Roadway/Waterway	Scenario 2	--	--	--
2252	639548.5	4169336.2	Roadway/Waterway	Scenario 2	--	--	--
2253	638048.5	4169361.2	Roadway/Waterway	Scenario 2	--	--	--
2254	638073.5	4169361.2	Roadway/Waterway	Scenario 2	--	--	--
2255	638098.5	4169361.2	Roadway/Waterway	Scenario 2	--	--	--
2256	638123.5	4169361.2	Roadway/Waterway	Scenario 2	--	--	--
2257	638148.5	4169361.2	Roadway/Waterway	Scenario 2	--	--	--
2258	638173.5	4169361.2	Roadway/Waterway	Scenario 2	--	--	--
2259	639398.5	4169361.2	Roadway/Waterway	Scenario 2	--	--	--
2260	639423.5	4169361.2	Roadway/Waterway	Scenario 2	--	--	--
2261	639448.5	4169361.2	Roadway/Waterway	Scenario 2	--	--	--
2262	639473.5	4169361.2	Roadway/Waterway	Scenario 2	--	--	--
2263	639498.5	4169361.2	Roadway/Waterway	Scenario 2	--	--	--
2264	639523.5	4169361.2	Roadway/Waterway	Scenario 2	--	--	--
2265	638023.5	4169386.2	Roadway/Waterway	Scenario 2	--	--	--
2266	638048.5	4169386.2	Roadway/Waterway	Scenario 2	--	--	--
2267	638073.5	4169386.2	Roadway/Waterway	Scenario 2	--	--	--
2268	638098.5	4169386.2	Roadway/Waterway	Scenario 2	--	--	--
2269	638123.5	4169386.2	Roadway/Waterway	Scenario 2	--	--	--
2270	638148.5	4169386.2	Roadway/Waterway	Scenario 2	--	--	--
2271	639373.5	4169386.2	Roadway/Waterway	Scenario 2	--	--	--
2272	639398.5	4169386.2	Roadway/Waterway	Scenario 2	--	--	--
2273	639423.5	4169386.2	Roadway/Waterway	Scenario 2	--	--	--
2274	639448.5	4169386.2	Roadway/Waterway	Scenario 2	--	--	--
2275	639473.5	4169386.2	Roadway/Waterway	Scenario 2	--	--	--
2276	639498.5	4169386.2	Roadway/Waterway	Scenario 2	--	--	--
2277	641323.5	4169386.2	Roadway/Waterway	Scenario 2	--	--	--
2278	638023.5	4169411.2	Roadway/Waterway	Scenario 2	--	--	--
2279	638048.5	4169411.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2280	638073.5	4169411.2	Roadway/Waterway	Scenario 2	--	--	--
2281	638098.5	4169411.2	Roadway/Waterway	Scenario 2	--	--	--
2282	638123.5	4169411.2	Roadway/Waterway	Scenario 2	--	--	--
2283	639348.5	4169411.2	Roadway/Waterway	Scenario 2	--	--	--
2284	639373.5	4169411.2	Roadway/Waterway	Scenario 2	--	--	--
2285	639398.5	4169411.2	Roadway/Waterway	Scenario 2	--	--	--
2286	639423.5	4169411.2	Roadway/Waterway	Scenario 2	--	--	--
2287	639448.5	4169411.2	Roadway/Waterway	Scenario 2	--	--	--
2288	639473.5	4169411.2	Roadway/Waterway	Scenario 2	--	--	--
2289	641323.5	4169411.2	Roadway/Waterway	Scenario 2	--	--	--
2290	637998.5	4169436.2	Roadway/Waterway	Scenario 2	--	--	--
2291	638023.5	4169436.2	Roadway/Waterway	Scenario 2	--	--	--
2292	638048.5	4169436.2	Roadway/Waterway	Scenario 2	--	--	--
2293	638073.5	4169436.2	Roadway/Waterway	Scenario 2	--	--	--
2294	638098.5	4169436.2	Roadway/Waterway	Scenario 2	--	--	--
2295	639323.5	4169436.2	Roadway/Waterway	Scenario 2	--	--	--
2296	639348.5	4169436.2	Roadway/Waterway	Scenario 2	--	--	--
2297	639373.5	4169436.2	Roadway/Waterway	Scenario 2	--	--	--
2298	639398.5	4169436.2	Roadway/Waterway	Scenario 2	--	--	--
2299	639423.5	4169436.2	Roadway/Waterway	Scenario 2	--	--	--
2300	639448.5	4169436.2	Roadway/Waterway	Scenario 2	--	--	--
2301	641323.5	4169436.2	Roadway/Waterway	Scenario 2	--	--	--
2302	637998.5	4169461.2	Roadway/Waterway	Scenario 2	--	--	--
2303	638023.5	4169461.2	Roadway/Waterway	Scenario 2	--	--	--
2304	638048.5	4169461.2	Roadway/Waterway	Scenario 2	--	--	--
2305	638073.5	4169461.2	Roadway/Waterway	Scenario 2	--	--	--
2306	639298.5	4169461.2	Roadway/Waterway	Scenario 2	--	--	--
2307	639323.5	4169461.2	Roadway/Waterway	Scenario 2	--	--	--
2308	639348.5	4169461.2	Roadway/Waterway	Scenario 2	--	--	--
2309	639373.5	4169461.2	Roadway/Waterway	Scenario 2	--	--	--
2310	639398.5	4169461.2	Roadway/Waterway	Scenario 2	--	--	--
2311	639423.5	4169461.2	Roadway/Waterway	Scenario 2	--	--	--
2312	641323.5	4169461.2	Roadway/Waterway	Scenario 2	--	--	--
2313	637998.5	4169486.2	Roadway/Waterway	Scenario 2	--	--	--
2314	638023.5	4169486.2	Roadway/Waterway	Scenario 2	--	--	--
2315	638048.5	4169486.2	Roadway/Waterway	Scenario 2	--	--	--
2316	639248.5	4169486.2	Roadway/Waterway	Scenario 2	--	--	--
2317	639273.5	4169486.2	Roadway/Waterway	Scenario 2	--	--	--
2318	639298.5	4169486.2	Roadway/Waterway	Scenario 2	--	--	--
2319	639323.5	4169486.2	Roadway/Waterway	Scenario 2	--	--	--
2320	639348.5	4169486.2	Roadway/Waterway	Scenario 2	--	--	--
2321	639373.5	4169486.2	Roadway/Waterway	Scenario 2	--	--	--
2322	637998.5	4169511.2	Roadway/Waterway	Scenario 2	--	--	--
2323	638023.5	4169511.2	Roadway/Waterway	Scenario 2	--	--	--
2324	639223.5	4169511.2	Roadway/Waterway	Scenario 2	--	--	--
2325	639248.5	4169511.2	Roadway/Waterway	Scenario 2	--	--	--
2326	639273.5	4169511.2	Roadway/Waterway	Scenario 2	--	--	--
2327	639298.5	4169511.2	Roadway/Waterway	Scenario 2	--	--	--
2328	639323.5	4169511.2	Roadway/Waterway	Scenario 2	--	--	--
2329	639348.5	4169511.2	Roadway/Waterway	Scenario 2	--	--	--
2330	637998.5	4169536.2	Roadway/Waterway	Scenario 2	--	--	--
2331	639198.5	4169536.2	Roadway/Waterway	Scenario 2	--	--	--
2332	639223.5	4169536.2	Roadway/Waterway	Scenario 2	--	--	--
2333	639248.5	4169536.2	Roadway/Waterway	Scenario 2	--	--	--
2334	639273.5	4169536.2	Roadway/Waterway	Scenario 2	--	--	--
2335	639298.5	4169536.2	Roadway/Waterway	Scenario 2	--	--	--
2336	639323.5	4169536.2	Roadway/Waterway	Scenario 2	--	--	--
2337	639173.5	4169561.2	Roadway/Waterway	Scenario 2	--	--	--
2338	639198.5	4169561.2	Roadway/Waterway	Scenario 2	--	--	--
2339	639223.5	4169561.2	Roadway/Waterway	Scenario 2	--	--	--
2340	639248.5	4169561.2	Roadway/Waterway	Scenario 2	--	--	--
2341	639273.5	4169561.2	Roadway/Waterway	Scenario 2	--	--	--
2342	639298.5	4169561.2	Roadway/Waterway	Scenario 2	--	--	--
2343	639123.5	4169586.2	Roadway/Waterway	Scenario 2	--	--	--
2344	639148.5	4169586.2	Roadway/Waterway	Scenario 2	--	--	--
2345	639173.5	4169586.2	Roadway/Waterway	Scenario 2	--	--	--
2346	639198.5	4169586.2	Roadway/Waterway	Scenario 2	--	--	--
2347	639223.5	4169586.2	Roadway/Waterway	Scenario 2	--	--	--
2348	639248.5	4169586.2	Roadway/Waterway	Scenario 2	--	--	--
2349	639273.5	4169586.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2350	639098.5	4169611.2	Roadway/Waterway	Scenario 2	--	--	--
2351	639123.5	4169611.2	Roadway/Waterway	Scenario 2	--	--	--
2352	639148.5	4169611.2	Roadway/Waterway	Scenario 2	--	--	--
2353	639173.5	4169611.2	Roadway/Waterway	Scenario 2	--	--	--
2354	639198.5	4169611.2	Roadway/Waterway	Scenario 2	--	--	--
2355	639223.5	4169611.2	Roadway/Waterway	Scenario 2	--	--	--
2356	639073.5	4169636.2	Roadway/Waterway	Scenario 2	--	--	--
2357	639098.5	4169636.2	Roadway/Waterway	Scenario 2	--	--	--
2358	639123.5	4169636.2	Roadway/Waterway	Scenario 2	--	--	--
2359	639148.5	4169636.2	Roadway/Waterway	Scenario 2	--	--	--
2360	639173.5	4169636.2	Roadway/Waterway	Scenario 2	--	--	--
2361	639198.5	4169636.2	Roadway/Waterway	Scenario 2	--	--	--
2362	639048.5	4169661.2	Roadway/Waterway	Scenario 2	--	--	--
2363	639073.5	4169661.2	Roadway/Waterway	Scenario 2	--	--	--
2364	639098.5	4169661.2	Roadway/Waterway	Scenario 2	--	--	--
2365	639123.5	4169661.2	Roadway/Waterway	Scenario 2	--	--	--
2366	639148.5	4169661.2	Roadway/Waterway	Scenario 2	--	--	--
2367	639173.5	4169661.2	Roadway/Waterway	Scenario 2	--	--	--
2368	639023.5	4169686.2	Roadway/Waterway	Scenario 2	--	--	--
2369	639048.5	4169686.2	Roadway/Waterway	Scenario 2	--	--	--
2370	639073.5	4169686.2	Roadway/Waterway	Scenario 2	--	--	--
2371	639098.5	4169686.2	Roadway/Waterway	Scenario 2	--	--	--
2372	639123.5	4169686.2	Roadway/Waterway	Scenario 2	--	--	--
2373	639148.5	4169686.2	Roadway/Waterway	Scenario 2	--	--	--
2374	638998.5	4169711.2	Roadway/Waterway	Scenario 2	--	--	--
2375	639023.5	4169711.2	Roadway/Waterway	Scenario 2	--	--	--
2376	639048.5	4169711.2	Roadway/Waterway	Scenario 2	--	--	--
2377	639073.5	4169711.2	Roadway/Waterway	Scenario 2	--	--	--
2378	639098.5	4169711.2	Roadway/Waterway	Scenario 2	--	--	--
2379	639123.5	4169711.2	Roadway/Waterway	Scenario 2	--	--	--
2380	638973.5	4169736.2	Roadway/Waterway	Scenario 2	--	--	--
2381	638998.5	4169736.2	Roadway/Waterway	Scenario 2	--	--	--
2382	639023.5	4169736.2	Roadway/Waterway	Scenario 2	--	--	--
2383	639048.5	4169736.2	Roadway/Waterway	Scenario 2	--	--	--
2384	639073.5	4169736.2	Roadway/Waterway	Scenario 2	--	--	--
2385	638948.5	4169761.2	Roadway/Waterway	Scenario 2	--	--	--
2386	638973.5	4169761.2	Roadway/Waterway	Scenario 2	--	--	--
2387	638998.5	4169761.2	Roadway/Waterway	Scenario 2	--	--	--
2388	639023.5	4169761.2	Roadway/Waterway	Scenario 2	--	--	--
2389	639048.5	4169761.2	Roadway/Waterway	Scenario 2	--	--	--
2390	638948.5	4169786.2	Roadway/Waterway	Scenario 2	--	--	--
2391	638973.5	4169786.2	Roadway/Waterway	Scenario 2	--	--	--
2392	638998.5	4169786.2	Roadway/Waterway	Scenario 2	--	--	--
2393	639023.5	4169786.2	Roadway/Waterway	Scenario 2	--	--	--
2394	638923.5	4169811.2	Roadway/Waterway	Scenario 2	--	--	--
2395	638948.5	4169811.2	Roadway/Waterway	Scenario 2	--	--	--
2396	638973.5	4169811.2	Roadway/Waterway	Scenario 2	--	--	--
2397	638998.5	4169811.2	Roadway/Waterway	Scenario 2	--	--	--
2398	639023.5	4169811.2	Roadway/Waterway	Scenario 2	--	--	--
2399	638898.5	4169836.2	Roadway/Waterway	Scenario 2	--	--	--
2400	638923.5	4169836.2	Roadway/Waterway	Scenario 2	--	--	--
2401	638948.5	4169836.2	Roadway/Waterway	Scenario 2	--	--	--
2402	638973.5	4169836.2	Roadway/Waterway	Scenario 2	--	--	--
2403	638998.5	4169836.2	Roadway/Waterway	Scenario 2	--	--	--
2404	638873.5	4169861.2	Roadway/Waterway	Scenario 2	--	--	--
2405	638898.5	4169861.2	Roadway/Waterway	Scenario 2	--	--	--
2406	638923.5	4169861.2	Roadway/Waterway	Scenario 2	--	--	--
2407	638948.5	4169861.2	Roadway/Waterway	Scenario 2	--	--	--
2408	638973.5	4169861.2	Roadway/Waterway	Scenario 2	--	--	--
2409	638848.5	4169886.2	Roadway/Waterway	Scenario 2	--	--	--
2410	638873.5	4169886.2	Roadway/Waterway	Scenario 2	--	--	--
2411	638898.5	4169886.2	Roadway/Waterway	Scenario 2	--	--	--
2412	638923.5	4169886.2	Roadway/Waterway	Scenario 2	--	--	--
2413	638948.5	4169886.2	Roadway/Waterway	Scenario 2	--	--	--
2414	638823.5	4169911.2	Roadway/Waterway	Scenario 2	--	--	--
2415	638848.5	4169911.2	Roadway/Waterway	Scenario 2	--	--	--
2416	638873.5	4169911.2	Roadway/Waterway	Scenario 2	--	--	--
2417	638898.5	4169911.2	Roadway/Waterway	Scenario 2	--	--	--
2418	638923.5	4169911.2	Roadway/Waterway	Scenario 2	--	--	--
2419	638798.5	4169936.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2420	638823.5	4169936.2	Roadway/Waterway	Scenario 2	--	--	--
2421	638848.5	4169936.2	Roadway/Waterway	Scenario 2	--	--	--
2422	638873.5	4169936.2	Roadway/Waterway	Scenario 2	--	--	--
2423	638898.5	4169936.2	Roadway/Waterway	Scenario 2	--	--	--
2424	638798.5	4169961.2	Roadway/Waterway	Scenario 2	--	--	--
2425	638823.5	4169961.2	Roadway/Waterway	Scenario 2	--	--	--
2426	638848.5	4169961.2	Roadway/Waterway	Scenario 2	--	--	--
2427	638873.5	4169961.2	Roadway/Waterway	Scenario 2	--	--	--
2428	638798.5	4169986.2	Roadway/Waterway	Scenario 2	--	--	--
2429	638823.5	4169986.2	Roadway/Waterway	Scenario 2	--	--	--
2430	638848.5	4169986.2	Roadway/Waterway	Scenario 2	--	--	--
2431	638873.5	4169986.2	Roadway/Waterway	Scenario 2	--	--	--
2432	638098.5	4170011.2	Roadway/Waterway	Scenario 2	--	--	--
2433	638123.5	4170011.2	Roadway/Waterway	Scenario 2	--	--	--
2434	638148.5	4170011.2	Roadway/Waterway	Scenario 2	--	--	--
2435	638173.5	4170011.2	Roadway/Waterway	Scenario 2	--	--	--
2436	638198.5	4170011.2	Roadway/Waterway	Scenario 2	--	--	--
2437	638223.5	4170011.2	Roadway/Waterway	Scenario 2	--	--	--
2438	638248.5	4170011.2	Roadway/Waterway	Scenario 2	--	--	--
2439	638273.5	4170011.2	Roadway/Waterway	Scenario 2	--	--	--
2440	638298.5	4170011.2	Roadway/Waterway	Scenario 2	--	--	--
2441	638773.5	4170011.2	Roadway/Waterway	Scenario 2	--	--	--
2442	638798.5	4170011.2	Roadway/Waterway	Scenario 2	--	--	--
2443	638823.5	4170011.2	Roadway/Waterway	Scenario 2	--	--	--
2444	638848.5	4170011.2	Roadway/Waterway	Scenario 2	--	--	--
2445	638773.5	4170036.2	Roadway/Waterway	Scenario 2	--	--	--
2446	638798.5	4170036.2	Roadway/Waterway	Scenario 2	--	--	--
2447	638823.5	4170036.2	Roadway/Waterway	Scenario 2	--	--	--
2448	638848.5	4170036.2	Roadway/Waterway	Scenario 2	--	--	--
2449	638773.5	4170061.2	Roadway/Waterway	Scenario 2	--	--	--
2450	638798.5	4170061.2	Roadway/Waterway	Scenario 2	--	--	--
2451	638823.5	4170061.2	Roadway/Waterway	Scenario 2	--	--	--
2452	638848.5	4170061.2	Roadway/Waterway	Scenario 2	--	--	--
2453	638748.5	4170086.2	Roadway/Waterway	Scenario 2	--	--	--
2454	638773.5	4170086.2	Roadway/Waterway	Scenario 2	--	--	--
2455	638798.5	4170086.2	Roadway/Waterway	Scenario 2	--	--	--
2456	638823.5	4170086.2	Roadway/Waterway	Scenario 2	--	--	--
2457	638723.5	4170111.2	Roadway/Waterway	Scenario 2	--	--	--
2458	638748.5	4170111.2	Roadway/Waterway	Scenario 2	--	--	--
2459	638773.5	4170111.2	Roadway/Waterway	Scenario 2	--	--	--
2460	638798.5	4170111.2	Roadway/Waterway	Scenario 2	--	--	--
2461	642611.0	4166673.7	Roadway/Waterway	Scenario 2	--	--	--
2462	642661.0	4166673.7	Roadway/Waterway	Scenario 2	--	--	--
2463	642461.0	4166723.7	Roadway/Waterway	Scenario 2	--	--	--
2464	642511.0	4166723.7	Roadway/Waterway	Scenario 2	--	--	--
2465	642561.0	4166723.7	Roadway/Waterway	Scenario 2	--	--	--
2466	642611.0	4166723.7	Roadway/Waterway	Scenario 2	--	--	--
2467	641311.0	4166773.7	Roadway/Waterway	Scenario 2	--	--	--
2468	641361.0	4166773.7	Roadway/Waterway	Scenario 2	--	--	--
2469	641411.0	4166773.7	Roadway/Waterway	Scenario 2	--	--	--
2470	642411.0	4166773.7	Roadway/Waterway	Scenario 2	--	--	--
2471	642461.0	4166773.7	Roadway/Waterway	Scenario 2	--	--	--
2472	642511.0	4166773.7	Roadway/Waterway	Scenario 2	--	--	--
2473	642561.0	4166773.7	Roadway/Waterway	Scenario 2	--	--	--
2474	641261.0	4166823.7	Roadway/Waterway	Scenario 2	--	--	--
2475	641311.0	4166823.7	Roadway/Waterway	Scenario 2	--	--	--
2476	641361.0	4166823.7	Roadway/Waterway	Scenario 2	--	--	--
2477	641411.0	4166823.7	Roadway/Waterway	Scenario 2	--	--	--
2478	641461.0	4166823.7	Roadway/Waterway	Scenario 2	--	--	--
2479	642361.0	4166823.7	Roadway/Waterway	Scenario 2	--	--	--
2480	642411.0	4166823.7	Roadway/Waterway	Scenario 2	--	--	--
2481	642461.0	4166823.7	Roadway/Waterway	Scenario 2	--	--	--
2482	642511.0	4166823.7	Roadway/Waterway	Scenario 2	--	--	--
2483	642561.0	4166823.7	Roadway/Waterway	Scenario 2	--	--	--
2484	644361.0	4166823.7	Roadway/Waterway	Scenario 2	--	--	--
2485	644561.0	4166823.7	Roadway/Waterway	Scenario 2	--	--	--
2486	644611.0	4166823.7	Roadway/Waterway	Scenario 2	--	--	--
2487	644661.0	4166823.7	Roadway/Waterway	Scenario 2	--	--	--
2488	641211.0	4166873.7	Roadway/Waterway	Scenario 2	--	--	--
2489	641261.0	4166873.7	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2490	641311.0	4166873.7	Roadway/Waterway	Scenario 2	--	--	--
2491	641361.0	4166873.7	Roadway/Waterway	Scenario 2	--	--	--
2492	641411.0	4166873.7	Roadway/Waterway	Scenario 2	--	--	--
2493	641461.0	4166873.7	Roadway/Waterway	Scenario 2	--	--	--
2494	642311.0	4166873.7	Roadway/Waterway	Scenario 2	--	--	--
2495	644411.0	4166873.7	Roadway/Waterway	Scenario 2	--	--	--
2496	644461.0	4166873.7	Roadway/Waterway	Scenario 2	--	--	--
2497	644511.0	4166873.7	Roadway/Waterway	Scenario 2	--	--	--
2498	644561.0	4166873.7	Roadway/Waterway	Scenario 2	--	--	--
2499	644611.0	4166873.7	Roadway/Waterway	Scenario 2	--	--	--
2500	644661.0	4166873.7	Roadway/Waterway	Scenario 2	--	--	--
2501	644711.0	4166873.7	Roadway/Waterway	Scenario 2	--	--	--
2502	641161.0	4166923.7	Roadway/Waterway	Scenario 2	--	--	--
2503	641211.0	4166923.7	Roadway/Waterway	Scenario 2	--	--	--
2504	641261.0	4166923.7	Roadway/Waterway	Scenario 2	--	--	--
2505	641311.0	4166923.7	Roadway/Waterway	Scenario 2	--	--	--
2506	644511.0	4166923.7	Roadway/Waterway	Scenario 2	--	--	--
2507	644561.0	4166923.7	Roadway/Waterway	Scenario 2	--	--	--
2508	644611.0	4166923.7	Roadway/Waterway	Scenario 2	--	--	--
2509	644661.0	4166923.7	Roadway/Waterway	Scenario 2	--	--	--
2510	644711.0	4166923.7	Roadway/Waterway	Scenario 2	--	--	--
2511	644761.0	4166923.7	Roadway/Waterway	Scenario 2	--	--	--
2512	641161.0	4166973.7	Roadway/Waterway	Scenario 2	--	--	--
2513	641211.0	4166973.7	Roadway/Waterway	Scenario 2	--	--	--
2514	641261.0	4166973.7	Roadway/Waterway	Scenario 2	--	--	--
2515	644661.0	4166973.7	Roadway/Waterway	Scenario 2	--	--	--
2516	644711.0	4167273.7	Roadway/Waterway	Scenario 2	--	--	--
2517	644761.0	4167273.7	Roadway/Waterway	Scenario 2	--	--	--
2518	644811.0	4167273.7	Roadway/Waterway	Scenario 2	--	--	--
2519	644711.0	4167323.7	Roadway/Waterway	Scenario 2	--	--	--
2520	644761.0	4167323.7	Roadway/Waterway	Scenario 2	--	--	--
2521	644811.0	4167323.7	Roadway/Waterway	Scenario 2	--	--	--
2522	641161.0	4167473.7	Roadway/Waterway	Scenario 2	--	--	--
2523	641211.0	4167473.7	Roadway/Waterway	Scenario 2	--	--	--
2524	641261.0	4167473.7	Roadway/Waterway	Scenario 2	--	--	--
2525	641011.0	4167523.7	Roadway/Waterway	Scenario 2	--	--	--
2526	641061.0	4167523.7	Roadway/Waterway	Scenario 2	--	--	--
2527	641111.0	4167523.7	Roadway/Waterway	Scenario 2	--	--	--
2528	640861.0	4167573.7	Roadway/Waterway	Scenario 2	--	--	--
2529	640911.0	4167573.7	Roadway/Waterway	Scenario 2	--	--	--
2530	640711.0	4167623.7	Roadway/Waterway	Scenario 2	--	--	--
2531	640561.0	4167673.7	Roadway/Waterway	Scenario 2	--	--	--
2532	640111.0	4167873.7	Roadway/Waterway	Scenario 2	--	--	--
2533	639961.0	4167973.7	Roadway/Waterway	Scenario 2	--	--	--
2534	639861.0	4168023.7	Roadway/Waterway	Scenario 2	--	--	--
2535	639811.0	4168073.7	Roadway/Waterway	Scenario 2	--	--	--
2536	639711.0	4168123.7	Roadway/Waterway	Scenario 2	--	--	--
2537	639611.0	4168173.7	Roadway/Waterway	Scenario 2	--	--	--
2538	639661.0	4168173.7	Roadway/Waterway	Scenario 2	--	--	--
2539	639561.0	4168223.7	Roadway/Waterway	Scenario 2	--	--	--
2540	639611.0	4168223.7	Roadway/Waterway	Scenario 2	--	--	--
2541	639461.0	4168273.7	Roadway/Waterway	Scenario 2	--	--	--
2542	639511.0	4168273.7	Roadway/Waterway	Scenario 2	--	--	--
2543	639561.0	4168273.7	Roadway/Waterway	Scenario 2	--	--	--
2544	639611.0	4168273.7	Roadway/Waterway	Scenario 2	--	--	--
2545	639161.0	4168323.7	Roadway/Waterway	Scenario 2	--	--	--
2546	639411.0	4168323.7	Roadway/Waterway	Scenario 2	--	--	--
2547	639461.0	4168323.7	Roadway/Waterway	Scenario 2	--	--	--
2548	639511.0	4168323.7	Roadway/Waterway	Scenario 2	--	--	--
2549	639561.0	4168323.7	Roadway/Waterway	Scenario 2	--	--	--
2550	639611.0	4168323.7	Roadway/Waterway	Scenario 2	--	--	--
2551	639061.0	4168373.7	Roadway/Waterway	Scenario 2	--	--	--
2552	639311.0	4168373.7	Roadway/Waterway	Scenario 2	--	--	--
2553	639011.0	4168423.7	Roadway/Waterway	Scenario 2	--	--	--
2554	639211.0	4168423.7	Roadway/Waterway	Scenario 2	--	--	--
2555	638911.0	4168473.7	Roadway/Waterway	Scenario 2	--	--	--
2556	638961.0	4168473.7	Roadway/Waterway	Scenario 2	--	--	--
2557	639161.0	4168473.7	Roadway/Waterway	Scenario 2	--	--	--
2558	638811.0	4168523.7	Roadway/Waterway	Scenario 2	--	--	--
2559	638861.0	4168523.7	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2560	639061.0	4168523.7	Roadway/Waterway	Scenario 2	--	--	--
2561	638711.0	4168573.7	Roadway/Waterway	Scenario 2	--	--	--
2562	638761.0	4168573.7	Roadway/Waterway	Scenario 2	--	--	--
2563	638811.0	4168573.7	Roadway/Waterway	Scenario 2	--	--	--
2564	638661.0	4168623.7	Roadway/Waterway	Scenario 2	--	--	--
2565	638711.0	4168623.7	Roadway/Waterway	Scenario 2	--	--	--
2566	638761.0	4168623.7	Roadway/Waterway	Scenario 2	--	--	--
2567	638911.0	4168623.7	Roadway/Waterway	Scenario 2	--	--	--
2568	638561.0	4168673.7	Roadway/Waterway	Scenario 2	--	--	--
2569	638611.0	4168673.7	Roadway/Waterway	Scenario 2	--	--	--
2570	638661.0	4168673.7	Roadway/Waterway	Scenario 2	--	--	--
2571	638511.0	4168723.7	Roadway/Waterway	Scenario 2	--	--	--
2572	638561.0	4168723.7	Roadway/Waterway	Scenario 2	--	--	--
2573	638611.0	4168723.7	Roadway/Waterway	Scenario 2	--	--	--
2574	638461.0	4168773.7	Roadway/Waterway	Scenario 2	--	--	--
2575	638511.0	4168773.7	Roadway/Waterway	Scenario 2	--	--	--
2576	638411.0	4168823.7	Roadway/Waterway	Scenario 2	--	--	--
2577	638461.0	4168823.7	Roadway/Waterway	Scenario 2	--	--	--
2578	640211.0	4168823.7	Roadway/Waterway	Scenario 2	--	--	--
2579	638311.0	4168873.7	Roadway/Waterway	Scenario 2	--	--	--
2580	638361.0	4168873.7	Roadway/Waterway	Scenario 2	--	--	--
2581	638411.0	4168873.7	Roadway/Waterway	Scenario 2	--	--	--
2582	640111.0	4168873.7	Roadway/Waterway	Scenario 2	--	--	--
2583	640161.0	4168873.7	Roadway/Waterway	Scenario 2	--	--	--
2584	640261.0	4168873.7	Roadway/Waterway	Scenario 2	--	--	--
2585	640311.0	4168873.7	Roadway/Waterway	Scenario 2	--	--	--
2586	640361.0	4168873.7	Roadway/Waterway	Scenario 2	--	--	--
2587	638261.0	4168923.7	Roadway/Waterway	Scenario 2	--	--	--
2588	638311.0	4168923.7	Roadway/Waterway	Scenario 2	--	--	--
2589	640061.0	4168923.7	Roadway/Waterway	Scenario 2	--	--	--
2590	640411.0	4168923.7	Roadway/Waterway	Scenario 2	--	--	--
2591	638211.0	4168973.7	Roadway/Waterway	Scenario 2	--	--	--
2592	638261.0	4168973.7	Roadway/Waterway	Scenario 2	--	--	--
2593	638211.0	4169023.7	Roadway/Waterway	Scenario 2	--	--	--
2594	638311.0	4169073.7	Roadway/Waterway	Scenario 2	--	--	--
2595	638111.0	4169123.7	Roadway/Waterway	Scenario 2	--	--	--
2596	638261.0	4169123.7	Roadway/Waterway	Scenario 2	--	--	--
2597	638111.0	4169173.7	Roadway/Waterway	Scenario 2	--	--	--
2598	638211.0	4169173.7	Roadway/Waterway	Scenario 2	--	--	--
2599	638111.0	4169223.7	Roadway/Waterway	Scenario 2	--	--	--
2600	638161.0	4169223.7	Roadway/Waterway	Scenario 2	--	--	--
2601	639711.0	4169223.7	Roadway/Waterway	Scenario 2	--	--	--
2602	638111.0	4169273.7	Roadway/Waterway	Scenario 2	--	--	--
2603	639711.0	4169273.7	Roadway/Waterway	Scenario 2	--	--	--
2604	638061.0	4169323.7	Roadway/Waterway	Scenario 2	--	--	--
2605	639711.0	4169323.7	Roadway/Waterway	Scenario 2	--	--	--
2606	638011.0	4169373.7	Roadway/Waterway	Scenario 2	--	--	--
2607	637961.0	4169423.7	Roadway/Waterway	Scenario 2	--	--	--
2608	637911.0	4169473.7	Roadway/Waterway	Scenario 2	--	--	--
2609	637961.0	4169473.7	Roadway/Waterway	Scenario 2	--	--	--
2610	637861.0	4169523.7	Roadway/Waterway	Scenario 2	--	--	--
2611	637911.0	4169523.7	Roadway/Waterway	Scenario 2	--	--	--
2612	637961.0	4169523.7	Roadway/Waterway	Scenario 2	--	--	--
2613	641311.0	4169523.7	Roadway/Waterway	Scenario 2	--	--	--
2614	637861.0	4169573.7	Roadway/Waterway	Scenario 2	--	--	--
2615	637911.0	4169573.7	Roadway/Waterway	Scenario 2	--	--	--
2616	637961.0	4169573.7	Roadway/Waterway	Scenario 2	--	--	--
2617	641311.0	4169573.7	Roadway/Waterway	Scenario 2	--	--	--
2618	637861.0	4169623.7	Roadway/Waterway	Scenario 2	--	--	--
2619	637911.0	4169623.7	Roadway/Waterway	Scenario 2	--	--	--
2620	641311.0	4169623.7	Roadway/Waterway	Scenario 2	--	--	--
2621	637861.0	4169673.7	Roadway/Waterway	Scenario 2	--	--	--
2622	638861.0	4170073.7	Roadway/Waterway	Scenario 2	--	--	--
2623	638811.0	4170123.7	Roadway/Waterway	Scenario 2	--	--	--
2624	638861.0	4170123.7	Roadway/Waterway	Scenario 2	--	--	--
2625	638661.0	4170173.7	Roadway/Waterway	Scenario 2	--	--	--
2626	638711.0	4170173.7	Roadway/Waterway	Scenario 2	--	--	--
2627	638761.0	4170173.7	Roadway/Waterway	Scenario 2	--	--	--
2628	638811.0	4170173.7	Roadway/Waterway	Scenario 2	--	--	--
2629	638611.0	4170223.7	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2630	638661.0	4170223.7	Roadway/Waterway	Scenario 2	--	--	--
2631	638711.0	4170223.7	Roadway/Waterway	Scenario 2	--	--	--
2632	638761.0	4170223.7	Roadway/Waterway	Scenario 2	--	--	--
2633	638711.0	4170273.7	Roadway/Waterway	Scenario 2	--	--	--
2634	644236.2	4164448.9	Roadway/Waterway	Scenario 2	--	--	--
2635	644136.2	4164548.9	Roadway/Waterway	Scenario 2	--	--	--
2636	643936.2	4164648.9	Roadway/Waterway	Scenario 2	--	--	--
2637	644036.2	4164648.9	Roadway/Waterway	Scenario 2	--	--	--
2638	644636.2	4164648.9	Roadway/Waterway	Scenario 2	--	--	--
2639	643836.2	4164748.9	Roadway/Waterway	Scenario 2	--	--	--
2640	643936.2	4164748.9	Roadway/Waterway	Scenario 2	--	--	--
2641	644636.2	4164748.9	Roadway/Waterway	Scenario 2	--	--	--
2642	643736.2	4164848.9	Roadway/Waterway	Scenario 2	--	--	--
2643	643836.2	4164848.9	Roadway/Waterway	Scenario 2	--	--	--
2644	644636.2	4164848.9	Roadway/Waterway	Scenario 2	--	--	--
2645	643636.2	4164948.9	Roadway/Waterway	Scenario 2	--	--	--
2646	644636.2	4164948.9	Roadway/Waterway	Scenario 2	--	--	--
2647	643536.2	4165048.9	Roadway/Waterway	Scenario 2	--	--	--
2648	644636.2	4165048.9	Roadway/Waterway	Scenario 2	--	--	--
2649	645836.2	4165048.9	Roadway/Waterway	Scenario 2	--	--	--
2650	645936.2	4165048.9	Roadway/Waterway	Scenario 2	--	--	--
2651	643436.2	4165148.9	Roadway/Waterway	Scenario 2	--	--	--
2652	644636.2	4165148.9	Roadway/Waterway	Scenario 2	--	--	--
2653	645836.2	4165148.9	Roadway/Waterway	Scenario 2	--	--	--
2654	643236.2	4165248.9	Roadway/Waterway	Scenario 2	--	--	--
2655	643336.2	4165248.9	Roadway/Waterway	Scenario 2	--	--	--
2656	644636.2	4165248.9	Roadway/Waterway	Scenario 2	--	--	--
2657	645736.2	4165248.9	Roadway/Waterway	Scenario 2	--	--	--
2658	645836.2	4165248.9	Roadway/Waterway	Scenario 2	--	--	--
2659	646236.2	4165248.9	Roadway/Waterway	Scenario 2	--	--	--
2660	643136.2	4165348.9	Roadway/Waterway	Scenario 2	--	--	--
2661	644636.2	4165348.9	Roadway/Waterway	Scenario 2	--	--	--
2662	645736.2	4165348.9	Roadway/Waterway	Scenario 2	--	--	--
2663	645836.2	4165348.9	Roadway/Waterway	Scenario 2	--	--	--
2664	645936.2	4165348.9	Roadway/Waterway	Scenario 2	--	--	--
2665	646036.2	4165348.9	Roadway/Waterway	Scenario 2	--	--	--
2666	646136.2	4165348.9	Roadway/Waterway	Scenario 2	--	--	--
2667	646236.2	4165348.9	Roadway/Waterway	Scenario 2	--	--	--
2668	646336.2	4165348.9	Roadway/Waterway	Scenario 2	--	--	--
2669	643036.2	4165448.9	Roadway/Waterway	Scenario 2	--	--	--
2670	645736.2	4165448.9	Roadway/Waterway	Scenario 2	--	--	--
2671	645836.2	4165448.9	Roadway/Waterway	Scenario 2	--	--	--
2672	646236.2	4165448.9	Roadway/Waterway	Scenario 2	--	--	--
2673	642836.2	4165548.9	Roadway/Waterway	Scenario 2	--	--	--
2674	642936.2	4165548.9	Roadway/Waterway	Scenario 2	--	--	--
2675	645736.2	4165548.9	Roadway/Waterway	Scenario 2	--	--	--
2676	645836.2	4165548.9	Roadway/Waterway	Scenario 2	--	--	--
2677	646236.2	4165548.9	Roadway/Waterway	Scenario 2	--	--	--
2678	642736.2	4165648.9	Roadway/Waterway	Scenario 2	--	--	--
2679	645636.2	4165648.9	Roadway/Waterway	Scenario 2	--	--	--
2680	645736.2	4165648.9	Roadway/Waterway	Scenario 2	--	--	--
2681	646236.2	4165648.9	Roadway/Waterway	Scenario 2	--	--	--
2682	642636.2	4165748.9	Roadway/Waterway	Scenario 2	--	--	--
2683	645436.2	4165748.9	Roadway/Waterway	Scenario 2	--	--	--
2684	645536.2	4165748.9	Roadway/Waterway	Scenario 2	--	--	--
2685	645636.2	4165748.9	Roadway/Waterway	Scenario 2	--	--	--
2686	646236.2	4165748.9	Roadway/Waterway	Scenario 2	--	--	--
2687	642436.2	4165848.9	Roadway/Waterway	Scenario 2	--	--	--
2688	642536.2	4165848.9	Roadway/Waterway	Scenario 2	--	--	--
2689	645136.2	4165848.9	Roadway/Waterway	Scenario 2	--	--	--
2690	645236.2	4165848.9	Roadway/Waterway	Scenario 2	--	--	--
2691	645336.2	4165848.9	Roadway/Waterway	Scenario 2	--	--	--
2692	646236.2	4165848.9	Roadway/Waterway	Scenario 2	--	--	--
2693	641936.2	4165948.9	Roadway/Waterway	Scenario 2	--	--	--
2694	642336.2	4165948.9	Roadway/Waterway	Scenario 2	--	--	--
2695	644836.2	4165948.9	Roadway/Waterway	Scenario 2	--	--	--
2696	644936.2	4165948.9	Roadway/Waterway	Scenario 2	--	--	--
2697	645036.2	4165948.9	Roadway/Waterway	Scenario 2	--	--	--
2698	645136.2	4165948.9	Roadway/Waterway	Scenario 2	--	--	--
2699	646236.2	4165948.9	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2700	641536.2	4166048.9	Roadway/Waterway	Scenario 2	--	--	--
2701	642236.2	4166048.9	Roadway/Waterway	Scenario 2	--	--	--
2702	644436.2	4166048.9	Roadway/Waterway	Scenario 2	--	--	--
2703	644536.2	4166048.9	Roadway/Waterway	Scenario 2	--	--	--
2704	644636.2	4166048.9	Roadway/Waterway	Scenario 2	--	--	--
2705	644736.2	4166048.9	Roadway/Waterway	Scenario 2	--	--	--
2706	644836.2	4166048.9	Roadway/Waterway	Scenario 2	--	--	--
2707	646236.2	4166048.9	Roadway/Waterway	Scenario 2	--	--	--
2708	642036.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2709	642136.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2710	643136.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2711	643236.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2712	643336.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2713	643436.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2714	643536.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2715	643636.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2716	643736.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2717	643836.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2718	643936.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2719	644036.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2720	644136.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2721	644236.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2722	644336.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2723	644436.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2724	646236.2	4166148.9	Roadway/Waterway	Scenario 2	--	--	--
2725	643036.2	4166248.9	Roadway/Waterway	Scenario 2	--	--	--
2726	643136.2	4166248.9	Roadway/Waterway	Scenario 2	--	--	--
2727	643236.2	4166248.9	Roadway/Waterway	Scenario 2	--	--	--
2728	643336.2	4166248.9	Roadway/Waterway	Scenario 2	--	--	--
2729	643436.2	4166248.9	Roadway/Waterway	Scenario 2	--	--	--
2730	643536.2	4166248.9	Roadway/Waterway	Scenario 2	--	--	--
2731	643636.2	4166248.9	Roadway/Waterway	Scenario 2	--	--	--
2732	643736.2	4166248.9	Roadway/Waterway	Scenario 2	--	--	--
2733	643836.2	4166248.9	Roadway/Waterway	Scenario 2	--	--	--
2734	643936.2	4166248.9	Roadway/Waterway	Scenario 2	--	--	--
2735	644036.2	4166248.9	Roadway/Waterway	Scenario 2	--	--	--
2736	644136.2	4166248.9	Roadway/Waterway	Scenario 2	--	--	--
2737	646236.2	4166248.9	Roadway/Waterway	Scenario 2	--	--	--
2738	641736.2	4166348.9	Roadway/Waterway	Scenario 2	--	--	--
2739	641836.2	4166348.9	Roadway/Waterway	Scenario 2	--	--	--
2740	642936.2	4166348.9	Roadway/Waterway	Scenario 2	--	--	--
2741	646236.2	4166348.9	Roadway/Waterway	Scenario 2	--	--	--
2742	646936.2	4166348.9	Roadway/Waterway	Scenario 2	--	--	--
2743	640736.2	4166448.9	Roadway/Waterway	Scenario 2	--	--	--
2744	641336.2	4166448.9	Roadway/Waterway	Scenario 2	--	--	--
2745	641636.2	4166448.9	Roadway/Waterway	Scenario 2	--	--	--
2746	642736.2	4166448.9	Roadway/Waterway	Scenario 2	--	--	--
2747	642836.2	4166448.9	Roadway/Waterway	Scenario 2	--	--	--
2748	646236.2	4166448.9	Roadway/Waterway	Scenario 2	--	--	--
2749	646936.2	4166448.9	Roadway/Waterway	Scenario 2	--	--	--
2750	640936.2	4166548.9	Roadway/Waterway	Scenario 2	--	--	--
2751	641336.2	4166548.9	Roadway/Waterway	Scenario 2	--	--	--
2752	641436.2	4166548.9	Roadway/Waterway	Scenario 2	--	--	--
2753	641536.2	4166548.9	Roadway/Waterway	Scenario 2	--	--	--
2754	642636.2	4166548.9	Roadway/Waterway	Scenario 2	--	--	--
2755	642736.2	4166548.9	Roadway/Waterway	Scenario 2	--	--	--
2756	646236.2	4166548.9	Roadway/Waterway	Scenario 2	--	--	--
2757	646736.2	4166548.9	Roadway/Waterway	Scenario 2	--	--	--
2758	646836.2	4166548.9	Roadway/Waterway	Scenario 2	--	--	--
2759	641336.2	4166648.9	Roadway/Waterway	Scenario 2	--	--	--
2760	641436.2	4166648.9	Roadway/Waterway	Scenario 2	--	--	--
2761	642536.2	4166648.9	Roadway/Waterway	Scenario 2	--	--	--
2762	642636.2	4166648.9	Roadway/Waterway	Scenario 2	--	--	--
2763	645936.2	4166648.9	Roadway/Waterway	Scenario 2	--	--	--
2764	646036.2	4166648.9	Roadway/Waterway	Scenario 2	--	--	--
2765	646136.2	4166648.9	Roadway/Waterway	Scenario 2	--	--	--
2766	646236.2	4166648.9	Roadway/Waterway	Scenario 2	--	--	--
2767	646336.2	4166648.9	Roadway/Waterway	Scenario 2	--	--	--
2768	646436.2	4166648.9	Roadway/Waterway	Scenario 2	--	--	--
2769	646536.2	4166648.9	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2770	646636.2	4166648.9	Roadway/Waterway	Scenario 2	--	--	--
2771	646736.2	4166648.9	Roadway/Waterway	Scenario 2	--	--	--
2772	641236.2	4166748.9	Roadway/Waterway	Scenario 2	--	--	--
2773	641336.2	4166748.9	Roadway/Waterway	Scenario 2	--	--	--
2774	644736.2	4166748.9	Roadway/Waterway	Scenario 2	--	--	--
2775	645836.2	4166748.9	Roadway/Waterway	Scenario 2	--	--	--
2776	646136.2	4166748.9	Roadway/Waterway	Scenario 2	--	--	--
2777	646236.2	4166748.9	Roadway/Waterway	Scenario 2	--	--	--
2778	646336.2	4166748.9	Roadway/Waterway	Scenario 2	--	--	--
2779	639836.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2780	639936.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2781	640036.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2782	640136.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2783	640236.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2784	640336.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2785	640436.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2786	640536.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2787	641036.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2788	641136.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2789	644736.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2790	645736.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2791	646036.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2792	646136.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2793	646236.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2794	646336.2	4166848.9	Roadway/Waterway	Scenario 2	--	--	--
2795	640836.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2796	640936.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2797	641036.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2798	641136.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2799	644836.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2800	644936.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2801	645036.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2802	645136.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2803	645236.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2804	645336.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2805	645436.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2806	645536.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2807	645736.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2808	645836.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2809	645936.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2810	646036.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2811	646136.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2812	646236.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2813	646336.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2814	646436.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2815	646536.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2816	646636.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2817	646736.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2818	646836.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2819	646936.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2820	647036.2	4166948.9	Roadway/Waterway	Scenario 2	--	--	--
2821	640636.2	4167048.9	Roadway/Waterway	Scenario 2	--	--	--
2822	640736.2	4167048.9	Roadway/Waterway	Scenario 2	--	--	--
2823	640836.2	4167048.9	Roadway/Waterway	Scenario 2	--	--	--
2824	640936.2	4167048.9	Roadway/Waterway	Scenario 2	--	--	--
2825	645236.2	4167048.9	Roadway/Waterway	Scenario 2	--	--	--
2826	645336.2	4167048.9	Roadway/Waterway	Scenario 2	--	--	--
2827	645736.2	4167048.9	Roadway/Waterway	Scenario 2	--	--	--
2828	646036.2	4167048.9	Roadway/Waterway	Scenario 2	--	--	--
2829	646136.2	4167048.9	Roadway/Waterway	Scenario 2	--	--	--
2830	646236.2	4167048.9	Roadway/Waterway	Scenario 2	--	--	--
2831	646336.2	4167048.9	Roadway/Waterway	Scenario 2	--	--	--
2832	646836.2	4167048.9	Roadway/Waterway	Scenario 2	--	--	--
2833	640536.2	4167148.9	Roadway/Waterway	Scenario 2	--	--	--
2834	640636.2	4167148.9	Roadway/Waterway	Scenario 2	--	--	--
2835	640736.2	4167148.9	Roadway/Waterway	Scenario 2	--	--	--
2836	645236.2	4167148.9	Roadway/Waterway	Scenario 2	--	--	--
2837	645336.2	4167148.9	Roadway/Waterway	Scenario 2	--	--	--
2838	645736.2	4167148.9	Roadway/Waterway	Scenario 2	--	--	--
2839	646136.2	4167148.9	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2840	646236.2	4167148.9	Roadway/Waterway	Scenario 2	--	--	--
2841	640436.2	4167248.9	Roadway/Waterway	Scenario 2	--	--	--
2842	640536.2	4167248.9	Roadway/Waterway	Scenario 2	--	--	--
2843	644936.2	4167248.9	Roadway/Waterway	Scenario 2	--	--	--
2844	645236.2	4167248.9	Roadway/Waterway	Scenario 2	--	--	--
2845	646236.2	4167248.9	Roadway/Waterway	Scenario 2	--	--	--
2846	640336.2	4167348.9	Roadway/Waterway	Scenario 2	--	--	--
2847	640436.2	4167348.9	Roadway/Waterway	Scenario 2	--	--	--
2848	646136.2	4167348.9	Roadway/Waterway	Scenario 2	--	--	--
2849	646236.2	4167348.9	Roadway/Waterway	Scenario 2	--	--	--
2850	640236.2	4167448.9	Roadway/Waterway	Scenario 2	--	--	--
2851	640336.2	4167448.9	Roadway/Waterway	Scenario 2	--	--	--
2852	646036.2	4167448.9	Roadway/Waterway	Scenario 2	--	--	--
2853	646136.2	4167448.9	Roadway/Waterway	Scenario 2	--	--	--
2854	646236.2	4167448.9	Roadway/Waterway	Scenario 2	--	--	--
2855	640136.2	4167548.9	Roadway/Waterway	Scenario 2	--	--	--
2856	646136.2	4167548.9	Roadway/Waterway	Scenario 2	--	--	--
2857	640036.2	4167648.9	Roadway/Waterway	Scenario 2	--	--	--
2858	646136.2	4167648.9	Roadway/Waterway	Scenario 2	--	--	--
2859	639836.2	4167748.9	Roadway/Waterway	Scenario 2	--	--	--
2860	639936.2	4167748.9	Roadway/Waterway	Scenario 2	--	--	--
2861	644136.2	4167748.9	Roadway/Waterway	Scenario 2	--	--	--
2862	644236.2	4167748.9	Roadway/Waterway	Scenario 2	--	--	--
2863	645036.2	4167748.9	Roadway/Waterway	Scenario 2	--	--	--
2864	645136.2	4167748.9	Roadway/Waterway	Scenario 2	--	--	--
2865	645236.2	4167748.9	Roadway/Waterway	Scenario 2	--	--	--
2866	645336.2	4167748.9	Roadway/Waterway	Scenario 2	--	--	--
2867	645436.2	4167748.9	Roadway/Waterway	Scenario 2	--	--	--
2868	645536.2	4167748.9	Roadway/Waterway	Scenario 2	--	--	--
2869	645636.2	4167748.9	Roadway/Waterway	Scenario 2	--	--	--
2870	645736.2	4167748.9	Roadway/Waterway	Scenario 2	--	--	--
2871	645836.2	4167748.9	Roadway/Waterway	Scenario 2	--	--	--
2872	645936.2	4167748.9	Roadway/Waterway	Scenario 2	--	--	--
2873	646136.2	4167748.9	Roadway/Waterway	Scenario 2	--	--	--
2874	639736.2	4167848.9	Roadway/Waterway	Scenario 2	--	--	--
2875	646136.2	4167848.9	Roadway/Waterway	Scenario 2	--	--	--
2876	639636.2	4167948.9	Roadway/Waterway	Scenario 2	--	--	--
2877	646136.2	4167948.9	Roadway/Waterway	Scenario 2	--	--	--
2878	639436.2	4168048.9	Roadway/Waterway	Scenario 2	--	--	--
2879	639536.2	4168048.9	Roadway/Waterway	Scenario 2	--	--	--
2880	646136.2	4168048.9	Roadway/Waterway	Scenario 2	--	--	--
2881	639336.2	4168148.9	Roadway/Waterway	Scenario 2	--	--	--
2882	639436.2	4168148.9	Roadway/Waterway	Scenario 2	--	--	--
2883	646136.2	4168148.9	Roadway/Waterway	Scenario 2	--	--	--
2884	639236.2	4168248.9	Roadway/Waterway	Scenario 2	--	--	--
2885	646136.2	4168248.9	Roadway/Waterway	Scenario 2	--	--	--
2886	639036.2	4168348.9	Roadway/Waterway	Scenario 2	--	--	--
2887	646136.2	4168348.9	Roadway/Waterway	Scenario 2	--	--	--
2888	646136.2	4168448.9	Roadway/Waterway	Scenario 2	--	--	--
2889	644836.2	4168548.9	Roadway/Waterway	Scenario 2	--	--	--
2890	644936.2	4168548.9	Roadway/Waterway	Scenario 2	--	--	--
2891	645036.2	4168548.9	Roadway/Waterway	Scenario 2	--	--	--
2892	645136.2	4168548.9	Roadway/Waterway	Scenario 2	--	--	--
2893	645236.2	4168548.9	Roadway/Waterway	Scenario 2	--	--	--
2894	645336.2	4168548.9	Roadway/Waterway	Scenario 2	--	--	--
2895	646136.2	4168548.9	Roadway/Waterway	Scenario 2	--	--	--
2896	646136.2	4168648.9	Roadway/Waterway	Scenario 2	--	--	--
2897	646636.2	4168648.9	Roadway/Waterway	Scenario 2	--	--	--
2898	646136.2	4168748.9	Roadway/Waterway	Scenario 2	--	--	--
2899	646136.2	4168848.9	Roadway/Waterway	Scenario 2	--	--	--
2900	644736.2	4168948.9	Roadway/Waterway	Scenario 2	--	--	--
2901	645936.2	4168948.9	Roadway/Waterway	Scenario 2	--	--	--
2902	646136.2	4168948.9	Roadway/Waterway	Scenario 2	--	--	--
2903	638136.2	4169048.9	Roadway/Waterway	Scenario 2	--	--	--
2904	644136.2	4169048.9	Roadway/Waterway	Scenario 2	--	--	--
2905	646136.2	4169048.9	Roadway/Waterway	Scenario 2	--	--	--
2906	637936.2	4169148.9	Roadway/Waterway	Scenario 2	--	--	--
2907	638036.2	4169148.9	Roadway/Waterway	Scenario 2	--	--	--
2908	644236.2	4169148.9	Roadway/Waterway	Scenario 2	--	--	--
2909	646136.2	4169148.9	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2910	637836.2	4169248.9	Roadway/Waterway	Scenario 2	--	--	--
2911	644536.2	4169248.9	Roadway/Waterway	Scenario 2	--	--	--
2912	637736.2	4169348.9	Roadway/Waterway	Scenario 2	--	--	--
2913	644536.2	4169348.9	Roadway/Waterway	Scenario 2	--	--	--
2914	637536.2	4169448.9	Roadway/Waterway	Scenario 2	--	--	--
2915	637636.2	4169448.9	Roadway/Waterway	Scenario 2	--	--	--
2916	644436.2	4169448.9	Roadway/Waterway	Scenario 2	--	--	--
2917	644536.2	4169448.9	Roadway/Waterway	Scenario 2	--	--	--
2918	637436.2	4169548.9	Roadway/Waterway	Scenario 2	--	--	--
2919	637836.2	4169548.9	Roadway/Waterway	Scenario 2	--	--	--
2920	644536.2	4169548.9	Roadway/Waterway	Scenario 2	--	--	--
2921	637236.2	4169648.9	Roadway/Waterway	Scenario 2	--	--	--
2922	637336.2	4169648.9	Roadway/Waterway	Scenario 2	--	--	--
2923	637836.2	4169648.9	Roadway/Waterway	Scenario 2	--	--	--
2924	644536.2	4169648.9	Roadway/Waterway	Scenario 2	--	--	--
2925	637136.2	4169748.9	Roadway/Waterway	Scenario 2	--	--	--
2926	637736.2	4169748.9	Roadway/Waterway	Scenario 2	--	--	--
2927	644536.2	4169748.9	Roadway/Waterway	Scenario 2	--	--	--
2928	637036.2	4169848.9	Roadway/Waterway	Scenario 2	--	--	--
2929	637636.2	4169848.9	Roadway/Waterway	Scenario 2	--	--	--
2930	637736.2	4169848.9	Roadway/Waterway	Scenario 2	--	--	--
2931	644536.2	4169848.9	Roadway/Waterway	Scenario 2	--	--	--
2932	636836.2	4169948.9	Roadway/Waterway	Scenario 2	--	--	--
2933	636936.2	4169948.9	Roadway/Waterway	Scenario 2	--	--	--
2934	637636.2	4169948.9	Roadway/Waterway	Scenario 2	--	--	--
2935	639636.2	4169948.9	Roadway/Waterway	Scenario 2	--	--	--
2936	636736.2	4170048.9	Roadway/Waterway	Scenario 2	--	--	--
2937	636836.2	4170048.9	Roadway/Waterway	Scenario 2	--	--	--
2938	637536.2	4170048.9	Roadway/Waterway	Scenario 2	--	--	--
2939	635636.2	4170148.9	Roadway/Waterway	Scenario 2	--	--	--
2940	636636.2	4170148.9	Roadway/Waterway	Scenario 2	--	--	--
2941	637436.2	4170148.9	Roadway/Waterway	Scenario 2	--	--	--
2942	637536.2	4170148.9	Roadway/Waterway	Scenario 2	--	--	--
2943	635636.2	4170248.9	Roadway/Waterway	Scenario 2	--	--	--
2944	635736.2	4170248.9	Roadway/Waterway	Scenario 2	--	--	--
2945	636436.2	4170248.9	Roadway/Waterway	Scenario 2	--	--	--
2946	636536.2	4170248.9	Roadway/Waterway	Scenario 2	--	--	--
2947	637336.2	4170248.9	Roadway/Waterway	Scenario 2	--	--	--
2948	637436.2	4170248.9	Roadway/Waterway	Scenario 2	--	--	--
2949	635736.2	4170348.9	Roadway/Waterway	Scenario 2	--	--	--
2950	635836.2	4170348.9	Roadway/Waterway	Scenario 2	--	--	--
2951	636336.2	4170348.9	Roadway/Waterway	Scenario 2	--	--	--
2952	636436.2	4170348.9	Roadway/Waterway	Scenario 2	--	--	--
2953	637336.2	4170348.9	Roadway/Waterway	Scenario 2	--	--	--
2954	638536.2	4170348.9	Roadway/Waterway	Scenario 2	--	--	--
2955	638636.2	4170348.9	Roadway/Waterway	Scenario 2	--	--	--
2956	635736.2	4170448.9	Roadway/Waterway	Scenario 2	--	--	--
2957	635936.2	4170448.9	Roadway/Waterway	Scenario 2	--	--	--
2958	636136.2	4170448.9	Roadway/Waterway	Scenario 2	--	--	--
2959	636236.2	4170448.9	Roadway/Waterway	Scenario 2	--	--	--
2960	637236.2	4170448.9	Roadway/Waterway	Scenario 2	--	--	--
2961	637336.2	4170448.9	Roadway/Waterway	Scenario 2	--	--	--
2962	638436.2	4170448.9	Roadway/Waterway	Scenario 2	--	--	--
2963	638536.2	4170448.9	Roadway/Waterway	Scenario 2	--	--	--
2964	635736.2	4170548.9	Roadway/Waterway	Scenario 2	--	--	--
2965	636036.2	4170548.9	Roadway/Waterway	Scenario 2	--	--	--
2966	636136.2	4170548.9	Roadway/Waterway	Scenario 2	--	--	--
2967	637236.2	4170548.9	Roadway/Waterway	Scenario 2	--	--	--
2968	638436.2	4170548.9	Roadway/Waterway	Scenario 2	--	--	--
2969	635936.2	4170648.9	Roadway/Waterway	Scenario 2	--	--	--
2970	636036.2	4170648.9	Roadway/Waterway	Scenario 2	--	--	--
2971	636136.2	4170648.9	Roadway/Waterway	Scenario 2	--	--	--
2972	637136.2	4170648.9	Roadway/Waterway	Scenario 2	--	--	--
2973	637236.2	4170648.9	Roadway/Waterway	Scenario 2	--	--	--
2974	638436.2	4170648.9	Roadway/Waterway	Scenario 2	--	--	--
2975	635836.2	4170748.9	Roadway/Waterway	Scenario 2	--	--	--
2976	636236.2	4170748.9	Roadway/Waterway	Scenario 2	--	--	--
2977	637036.2	4170748.9	Roadway/Waterway	Scenario 2	--	--	--
2978	637136.2	4170748.9	Roadway/Waterway	Scenario 2	--	--	--
2979	638436.2	4170748.9	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2980	638536.2	4170748.9	Roadway/Waterway	Scenario 2	--	--	--
2981	635736.2	4170848.9	Roadway/Waterway	Scenario 2	--	--	--
2982	635836.2	4170848.9	Roadway/Waterway	Scenario 2	--	--	--
2983	636336.2	4170848.9	Roadway/Waterway	Scenario 2	--	--	--
2984	636636.2	4170848.9	Roadway/Waterway	Scenario 2	--	--	--
2985	636736.2	4170848.9	Roadway/Waterway	Scenario 2	--	--	--
2986	637036.2	4170848.9	Roadway/Waterway	Scenario 2	--	--	--
2987	637136.2	4170848.9	Roadway/Waterway	Scenario 2	--	--	--
2988	637236.2	4170848.9	Roadway/Waterway	Scenario 2	--	--	--
2989	638436.2	4170848.9	Roadway/Waterway	Scenario 2	--	--	--
2990	635836.2	4170948.9	Roadway/Waterway	Scenario 2	--	--	--
2991	635936.2	4170948.9	Roadway/Waterway	Scenario 2	--	--	--
2992	636436.2	4170948.9	Roadway/Waterway	Scenario 2	--	--	--
2993	636536.2	4170948.9	Roadway/Waterway	Scenario 2	--	--	--
2994	636936.2	4170948.9	Roadway/Waterway	Scenario 2	--	--	--
2995	637036.2	4170948.9	Roadway/Waterway	Scenario 2	--	--	--
2996	637136.2	4170948.9	Roadway/Waterway	Scenario 2	--	--	--
2997	637236.2	4170948.9	Roadway/Waterway	Scenario 2	--	--	--
2998	638336.2	4170948.9	Roadway/Waterway	Scenario 2	--	--	--
2999	638436.2	4170948.9	Roadway/Waterway	Scenario 2	--	--	--
3000	635836.2	4171048.9	Roadway/Waterway	Scenario 2	--	--	--
3001	636436.2	4171048.9	Roadway/Waterway	Scenario 2	--	--	--
3002	636936.2	4171048.9	Roadway/Waterway	Scenario 2	--	--	--
3003	638336.2	4171048.9	Roadway/Waterway	Scenario 2	--	--	--
3004	636436.2	4171148.9	Roadway/Waterway	Scenario 2	--	--	--
3005	636736.2	4171148.9	Roadway/Waterway	Scenario 2	--	--	--
3006	636836.2	4171148.9	Roadway/Waterway	Scenario 2	--	--	--
3007	638236.2	4171148.9	Roadway/Waterway	Scenario 2	--	--	--
3008	638336.2	4171148.9	Roadway/Waterway	Scenario 2	--	--	--
3009	635936.2	4171248.9	Roadway/Waterway	Scenario 2	--	--	--
3010	636036.2	4171248.9	Roadway/Waterway	Scenario 2	--	--	--
3011	636436.2	4171248.9	Roadway/Waterway	Scenario 2	--	--	--
3012	636636.2	4171248.9	Roadway/Waterway	Scenario 2	--	--	--
3013	636736.2	4171248.9	Roadway/Waterway	Scenario 2	--	--	--
3014	638036.2	4171248.9	Roadway/Waterway	Scenario 2	--	--	--
3015	638136.2	4171248.9	Roadway/Waterway	Scenario 2	--	--	--
3016	638236.2	4171248.9	Roadway/Waterway	Scenario 2	--	--	--
3017	636436.2	4171348.9	Roadway/Waterway	Scenario 2	--	--	--
3018	636536.2	4171348.9	Roadway/Waterway	Scenario 2	--	--	--
3019	636636.2	4171348.9	Roadway/Waterway	Scenario 2	--	--	--
3020	637936.2	4171348.9	Roadway/Waterway	Scenario 2	--	--	--
3021	638036.2	4171348.9	Roadway/Waterway	Scenario 2	--	--	--
3022	636336.2	4171448.9	Roadway/Waterway	Scenario 2	--	--	--
3023	636436.2	4171448.9	Roadway/Waterway	Scenario 2	--	--	--
3024	636536.2	4171448.9	Roadway/Waterway	Scenario 2	--	--	--
3025	637436.2	4171448.9	Roadway/Waterway	Scenario 2	--	--	--
3026	637536.2	4171448.9	Roadway/Waterway	Scenario 2	--	--	--
3027	637636.2	4171448.9	Roadway/Waterway	Scenario 2	--	--	--
3028	637736.2	4171448.9	Roadway/Waterway	Scenario 2	--	--	--
3029	637836.2	4171448.9	Roadway/Waterway	Scenario 2	--	--	--
3030	637936.2	4171448.9	Roadway/Waterway	Scenario 2	--	--	--
3031	636136.2	4171548.9	Roadway/Waterway	Scenario 2	--	--	--
3032	636236.2	4171548.9	Roadway/Waterway	Scenario 2	--	--	--
3033	636336.2	4171548.9	Roadway/Waterway	Scenario 2	--	--	--
3034	636436.2	4171548.9	Roadway/Waterway	Scenario 2	--	--	--
3035	637336.2	4171548.9	Roadway/Waterway	Scenario 2	--	--	--
3036	637436.2	4171548.9	Roadway/Waterway	Scenario 2	--	--	--
3037	637536.2	4171548.9	Roadway/Waterway	Scenario 2	--	--	--
3038	637636.2	4171548.9	Roadway/Waterway	Scenario 2	--	--	--
3039	637736.2	4171548.9	Roadway/Waterway	Scenario 2	--	--	--
3040	637836.2	4171548.9	Roadway/Waterway	Scenario 2	--	--	--
3041	636236.2	4171648.9	Roadway/Waterway	Scenario 2	--	--	--
3042	636436.2	4171648.9	Roadway/Waterway	Scenario 2	--	--	--
3043	637336.2	4171648.9	Roadway/Waterway	Scenario 2	--	--	--
3044	637436.2	4171648.9	Roadway/Waterway	Scenario 2	--	--	--
3045	636436.2	4171748.9	Roadway/Waterway	Scenario 2	--	--	--
3046	637236.2	4171748.9	Roadway/Waterway	Scenario 2	--	--	--
3047	636436.2	4171848.9	Roadway/Waterway	Scenario 2	--	--	--
3048	637136.2	4171848.9	Roadway/Waterway	Scenario 2	--	--	--
3049	637036.2	4171948.9	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3050	637136.2	4171948.9	Roadway/Waterway	Scenario 2	--	--	--
3051	638036.2	4171948.9	Roadway/Waterway	Scenario 2	--	--	--
3052	636936.2	4172048.9	Roadway/Waterway	Scenario 2	--	--	--
3053	637036.2	4172048.9	Roadway/Waterway	Scenario 2	--	--	--
3054	637136.2	4172048.9	Roadway/Waterway	Scenario 2	--	--	--
3055	638036.2	4172048.9	Roadway/Waterway	Scenario 2	--	--	--
3056	636836.2	4172148.9	Roadway/Waterway	Scenario 2	--	--	--
3057	636936.2	4172148.9	Roadway/Waterway	Scenario 2	--	--	--
3058	637036.2	4172148.9	Roadway/Waterway	Scenario 2	--	--	--
3059	638036.2	4172148.9	Roadway/Waterway	Scenario 2	--	--	--
3060	638036.2	4172248.9	Roadway/Waterway	Scenario 2	--	--	--
3061	639636.2	4172248.9	Roadway/Waterway	Scenario 2	--	--	--
3062	638036.2	4172348.9	Roadway/Waterway	Scenario 2	--	--	--
3063	639636.2	4172348.9	Roadway/Waterway	Scenario 2	--	--	--
3064	638036.2	4172448.9	Roadway/Waterway	Scenario 2	--	--	--
3065	642798.5	4166811.2	Worker	Scenario 2	1.43E-01	9.74E-04	--
3066	642823.5	4166811.2	Worker	Scenario 2	1.46E-01	9.73E-04	--
3067	642848.5	4166811.2	Worker	Scenario 2	1.48E-01	9.72E-04	--
3068	642873.5	4166811.2	Worker	Scenario 2	1.50E-01	9.71E-04	--
3069	642898.5	4166811.2	Worker	Scenario 2	1.53E-01	9.69E-04	--
3070	642923.5	4166811.2	Worker	Scenario 2	1.55E-01	9.68E-04	--
3071	642948.5	4166811.2	Worker	Scenario 2	1.57E-01	9.65E-04	--
3072	642973.5	4166811.2	Worker	Scenario 2	1.65E-01	9.78E-04	--
3073	642998.5	4166811.2	Worker	Scenario 2	1.66E-01	9.71E-04	--
3074	643023.5	4166811.2	Worker	Scenario 2	1.69E-01	9.72E-04	--
3075	643048.5	4166811.2	Worker	Scenario 2	1.73E-01	9.73E-04	--
3076	643073.5	4166811.2	Worker	Scenario 2	1.78E-01	9.76E-04	--
3077	643098.5	4166811.2	Worker	Scenario 2	1.84E-01	9.81E-04	--
3078	643123.5	4166811.2	Worker	Scenario 2	1.90E-01	9.87E-04	--
3079	643148.5	4166811.2	Worker	Scenario 2	1.96E-01	9.94E-04	--
3080	643173.5	4166811.2	Worker	Scenario 2	2.03E-01	1.00E-03	--
3081	643198.5	4166811.2	Worker	Scenario 2	2.11E-01	1.01E-03	--
3082	643223.5	4166811.2	Worker	Scenario 2	2.18E-01	1.02E-03	--
3083	643248.5	4166811.2	Worker	Scenario 2	2.26E-01	1.03E-03	--
3084	643273.5	4166811.2	Worker	Scenario 2	2.33E-01	1.04E-03	--
3085	643298.5	4166811.2	Worker	Scenario 2	2.41E-01	1.05E-03	--
3086	643323.5	4166811.2	Worker	Scenario 2	2.48E-01	1.06E-03	--
3087	643348.5	4166811.2	Worker	Scenario 2	2.56E-01	1.07E-03	--
3088	643373.5	4166811.2	Worker	Scenario 2	2.63E-01	1.08E-03	--
3089	643398.5	4166811.2	Worker	Scenario 2	2.70E-01	1.09E-03	--
3090	643423.5	4166811.2	Worker	Scenario 2	2.76E-01	1.09E-03	--
3091	643448.5	4166811.2	Worker	Scenario 2	2.82E-01	1.10E-03	--
3092	643473.5	4166811.2	Worker	Scenario 2	2.87E-01	1.10E-03	--
3093	643498.5	4166811.2	Worker	Scenario 2	2.91E-01	1.10E-03	--
3094	643523.5	4166811.2	Worker	Scenario 2	2.94E-01	1.10E-03	--
3095	641973.5	4166836.2	Worker	Scenario 2	8.67E-02	8.42E-04	--
3096	641998.5	4166836.2	Worker	Scenario 2	8.65E-02	8.40E-04	--
3097	642023.5	4166836.2	Worker	Scenario 2	8.66E-02	8.39E-04	--
3098	642048.5	4166836.2	Worker	Scenario 2	8.69E-02	8.41E-04	--
3099	642073.5	4166836.2	Worker	Scenario 2	8.70E-02	8.41E-04	--
3100	642098.5	4166836.2	Worker	Scenario 2	8.73E-02	8.41E-04	--
3101	642123.5	4166836.2	Worker	Scenario 2	8.79E-02	8.45E-04	--
3102	642148.5	4166836.2	Worker	Scenario 2	8.87E-02	8.49E-04	--
3103	642173.5	4166836.2	Worker	Scenario 2	8.98E-02	8.55E-04	--
3104	642198.5	4166836.2	Worker	Scenario 2	9.09E-02	8.60E-04	--
3105	642223.5	4166836.2	Worker	Scenario 2	9.23E-02	8.68E-04	--
3106	642248.5	4166836.2	Worker	Scenario 2	9.39E-02	8.76E-04	--
3107	642598.5	4166836.2	Worker	Scenario 2	1.32E-01	1.05E-03	--
3108	642623.5	4166836.2	Worker	Scenario 2	1.35E-01	1.04E-03	--
3109	642648.5	4166836.2	Worker	Scenario 2	1.37E-01	1.04E-03	--
3110	642673.5	4166836.2	Worker	Scenario 2	1.39E-01	1.03E-03	--
3111	642698.5	4166836.2	Worker	Scenario 2	1.41E-01	1.03E-03	--
3112	642723.5	4166836.2	Worker	Scenario 2	1.44E-01	1.03E-03	--
3113	642748.5	4166836.2	Worker	Scenario 2	1.47E-01	1.02E-03	--
3114	642773.5	4166836.2	Worker	Scenario 2	1.49E-01	1.02E-03	--
3115	642798.5	4166836.2	Worker	Scenario 2	1.52E-01	1.02E-03	--
3116	642823.5	4166836.2	Worker	Scenario 2	1.55E-01	1.02E-03	--
3117	642848.5	4166836.2	Worker	Scenario 2	1.58E-01	1.02E-03	--
3118	642873.5	4166836.2	Worker	Scenario 2	1.60E-01	1.02E-03	--
3119	642898.5	4166836.2	Worker	Scenario 2	1.63E-01	1.01E-03	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3120	642923.5	4166836.2	Worker	Scenario 2	1.66E-01	1.01E-03	--
3121	642948.5	4166836.2	Worker	Scenario 2	1.69E-01	1.01E-03	--
3122	642973.5	4166836.2	Worker	Scenario 2	1.73E-01	1.01E-03	--
3123	642998.5	4166836.2	Worker	Scenario 2	1.80E-01	1.03E-03	--
3124	643023.5	4166836.2	Worker	Scenario 2	1.81E-01	1.02E-03	--
3125	643048.5	4166836.2	Worker	Scenario 2	1.85E-01	1.02E-03	--
3126	643073.5	4166836.2	Worker	Scenario 2	1.90E-01	1.02E-03	--
3127	643098.5	4166836.2	Worker	Scenario 2	1.97E-01	1.03E-03	--
3128	643123.5	4166836.2	Worker	Scenario 2	2.04E-01	1.04E-03	--
3129	643148.5	4166836.2	Worker	Scenario 2	2.12E-01	1.05E-03	--
3130	643173.5	4166836.2	Worker	Scenario 2	2.20E-01	1.06E-03	--
3131	643198.5	4166836.2	Worker	Scenario 2	2.28E-01	1.07E-03	--
3132	643223.5	4166836.2	Worker	Scenario 2	2.36E-01	1.08E-03	--
3133	643248.5	4166836.2	Worker	Scenario 2	2.44E-01	1.09E-03	--
3134	643273.5	4166836.2	Worker	Scenario 2	2.53E-01	1.10E-03	--
3135	643298.5	4166836.2	Worker	Scenario 2	2.62E-01	1.11E-03	--
3136	643323.5	4166836.2	Worker	Scenario 2	2.70E-01	1.12E-03	--
3137	643348.5	4166836.2	Worker	Scenario 2	2.78E-01	1.13E-03	--
3138	643373.5	4166836.2	Worker	Scenario 2	2.86E-01	1.14E-03	--
3139	643398.5	4166836.2	Worker	Scenario 2	2.93E-01	1.15E-03	--
3140	643423.5	4166836.2	Worker	Scenario 2	2.99E-01	1.16E-03	--
3141	643448.5	4166836.2	Worker	Scenario 2	3.05E-01	1.16E-03	--
3142	643473.5	4166836.2	Worker	Scenario 2	3.10E-01	1.16E-03	--
3143	643498.5	4166836.2	Worker	Scenario 2	3.13E-01	1.17E-03	--
3144	643523.5	4166836.2	Worker	Scenario 2	3.16E-01	1.16E-03	--
3145	643548.5	4166836.2	Worker	Scenario 2	3.17E-01	1.16E-03	--
3146	643573.5	4166836.2	Worker	Scenario 2	3.18E-01	1.15E-03	--
3147	643598.5	4166836.2	Worker	Scenario 2	3.17E-01	1.14E-03	--
3148	643623.5	4166836.2	Worker	Scenario 2	3.16E-01	1.13E-03	--
3149	643648.5	4166836.2	Worker	Scenario 2	3.14E-01	1.12E-03	--
3150	643673.5	4166836.2	Worker	Scenario 2	3.11E-01	1.10E-03	--
3151	643698.5	4166836.2	Worker	Scenario 2	3.08E-01	1.09E-03	--
3152	643723.5	4166836.2	Worker	Scenario 2	3.04E-01	1.07E-03	--
3153	643748.5	4166836.2	Worker	Scenario 2	3.00E-01	1.06E-03	--
3154	643773.5	4166836.2	Worker	Scenario 2	2.96E-01	1.04E-03	--
3155	643798.5	4166836.2	Worker	Scenario 2	2.92E-01	1.02E-03	--
3156	643823.5	4166836.2	Worker	Scenario 2	2.88E-01	1.01E-03	--
3157	643848.5	4166836.2	Worker	Scenario 2	2.84E-01	9.90E-04	--
3158	643873.5	4166836.2	Worker	Scenario 2	2.81E-01	9.75E-04	--
3159	643898.5	4166836.2	Worker	Scenario 2	2.78E-01	9.61E-04	--
3160	643923.5	4166836.2	Worker	Scenario 2	2.75E-01	9.48E-04	--
3161	643948.5	4166836.2	Worker	Scenario 2	2.73E-01	9.36E-04	--
3162	643973.5	4166836.2	Worker	Scenario 2	2.70E-01	9.25E-04	--
3163	643998.5	4166836.2	Worker	Scenario 2	2.69E-01	9.15E-04	--
3164	644023.5	4166836.2	Worker	Scenario 2	2.67E-01	9.07E-04	--
3165	644048.5	4166836.2	Worker	Scenario 2	2.66E-01	8.98E-04	--
3166	644073.5	4166836.2	Worker	Scenario 2	2.64E-01	8.90E-04	--
3167	644098.5	4166836.2	Worker	Scenario 2	2.63E-01	8.82E-04	--
3168	644123.5	4166836.2	Worker	Scenario 2	2.62E-01	8.74E-04	--
3169	644148.5	4166836.2	Worker	Scenario 2	2.60E-01	8.66E-04	--
3170	644173.5	4166836.2	Worker	Scenario 2	2.59E-01	8.59E-04	--
3171	644198.5	4166836.2	Worker	Scenario 2	2.57E-01	8.51E-04	--
3172	644223.5	4166836.2	Worker	Scenario 2	2.56E-01	8.44E-04	--
3173	644248.5	4166836.2	Worker	Scenario 2	2.55E-01	8.36E-04	--
3174	644273.5	4166836.2	Worker	Scenario 2	2.53E-01	8.29E-04	--
3175	644298.5	4166836.2	Worker	Scenario 2	2.52E-01	8.22E-04	--
3176	641598.5	4166861.2	Worker	Scenario 2	1.34E-01	1.36E-03	--
3177	641623.5	4166861.2	Worker	Scenario 2	1.25E-01	1.26E-03	--
3178	641648.5	4166861.2	Worker	Scenario 2	1.18E-01	1.18E-03	--
3179	641673.5	4166861.2	Worker	Scenario 2	1.13E-01	1.12E-03	--
3180	641698.5	4166861.2	Worker	Scenario 2	1.08E-01	1.07E-03	--
3181	641723.5	4166861.2	Worker	Scenario 2	1.04E-01	1.02E-03	--
3182	641748.5	4166861.2	Worker	Scenario 2	1.01E-01	9.89E-04	--
3183	641773.5	4166861.2	Worker	Scenario 2	9.80E-02	9.61E-04	--
3184	641798.5	4166861.2	Worker	Scenario 2	9.58E-02	9.38E-04	--
3185	641823.5	4166861.2	Worker	Scenario 2	9.40E-02	9.20E-04	--
3186	641848.5	4166861.2	Worker	Scenario 2	9.25E-02	9.05E-04	--
3187	641873.5	4166861.2	Worker	Scenario 2	9.14E-02	8.94E-04	--
3188	641898.5	4166861.2	Worker	Scenario 2	9.05E-02	8.85E-04	--
3189	641923.5	4166861.2	Worker	Scenario 2	8.98E-02	8.78E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3190	641948.5	4166861.2	Worker	Scenario 2	8.93E-02	8.73E-04	--
3191	641973.5	4166861.2	Worker	Scenario 2	8.91E-02	8.71E-04	--
3192	641998.5	4166861.2	Worker	Scenario 2	8.90E-02	8.70E-04	--
3193	642023.5	4166861.2	Worker	Scenario 2	8.91E-02	8.70E-04	--
3194	642123.5	4166861.2	Worker	Scenario 2	9.10E-02	8.79E-04	--
3195	642148.5	4166861.2	Worker	Scenario 2	9.20E-02	8.85E-04	--
3196	642173.5	4166861.2	Worker	Scenario 2	9.32E-02	8.91E-04	--
3197	641298.5	4167011.2	Worker	Scenario 2	1.52E-01	1.95E-03	--
3198	641323.5	4167011.2	Worker	Scenario 2	1.99E-01	2.66E-03	--
3199	641298.5	4167036.2	Worker	Scenario 2	1.54E-01	1.98E-03	--
3200	641323.5	4167036.2	Worker	Scenario 2	2.02E-01	2.71E-03	--
3201	641298.5	4167061.2	Worker	Scenario 2	1.56E-01	2.02E-03	--
3202	641323.5	4167061.2	Worker	Scenario 2	2.05E-01	2.76E-03	--
3203	641348.5	4167061.2	Worker	Scenario 2	3.06E-01	4.36E-03	--
3204	644673.5	4167061.2	Worker	Scenario 2	3.14E-01	9.31E-04	--
3205	641298.5	4167086.2	Worker	Scenario 2	1.59E-01	2.05E-03	--
3206	641323.5	4167086.2	Worker	Scenario 2	2.10E-01	2.82E-03	--
3207	641348.5	4167086.2	Worker	Scenario 2	3.15E-01	4.50E-03	--
3208	644648.5	4167086.2	Worker	Scenario 2	3.31E-01	9.76E-04	--
3209	644673.5	4167086.2	Worker	Scenario 2	3.23E-01	9.52E-04	--
3210	641298.5	4167111.2	Worker	Scenario 2	1.62E-01	2.09E-03	--
3211	641323.5	4167111.2	Worker	Scenario 2	2.14E-01	2.88E-03	--
3212	641348.5	4167111.2	Worker	Scenario 2	3.26E-01	4.66E-03	--
3213	644648.5	4167111.2	Worker	Scenario 2	3.39E-01	9.95E-04	--
3214	644673.5	4167111.2	Worker	Scenario 2	3.31E-01	9.72E-04	--
3215	641298.5	4167136.2	Worker	Scenario 2	1.65E-01	2.13E-03	--
3216	641323.5	4167136.2	Worker	Scenario 2	2.19E-01	2.95E-03	--
3217	641348.5	4167136.2	Worker	Scenario 2	3.37E-01	4.82E-03	--
3218	644648.5	4167136.2	Worker	Scenario 2	3.46E-01	1.01E-03	--
3219	644673.5	4167136.2	Worker	Scenario 2	3.38E-01	9.88E-04	--
3220	641298.5	4167161.2	Worker	Scenario 2	1.67E-01	2.17E-03	--
3221	641323.5	4167161.2	Worker	Scenario 2	2.24E-01	3.01E-03	--
3222	641348.5	4167161.2	Worker	Scenario 2	3.47E-01	4.97E-03	--
3223	644648.5	4167161.2	Worker	Scenario 2	3.51E-01	1.02E-03	--
3224	644673.5	4167161.2	Worker	Scenario 2	3.42E-01	9.98E-04	--
3225	641298.5	4167186.2	Worker	Scenario 2	1.70E-01	2.21E-03	--
3226	641323.5	4167186.2	Worker	Scenario 2	2.28E-01	3.07E-03	--
3227	641348.5	4167186.2	Worker	Scenario 2	3.57E-01	5.12E-03	--
3228	644648.5	4167186.2	Worker	Scenario 2	3.56E-01	1.03E-03	--
3229	644673.5	4167186.2	Worker	Scenario 2	3.48E-01	1.01E-03	--
3230	641298.5	4167211.2	Worker	Scenario 2	1.73E-01	2.25E-03	--
3231	641323.5	4167211.2	Worker	Scenario 2	2.32E-01	3.14E-03	--
3232	641348.5	4167211.2	Worker	Scenario 2	3.65E-01	5.23E-03	--
3233	644648.5	4167211.2	Worker	Scenario 2	3.63E-01	1.05E-03	--
3234	644673.5	4167211.2	Worker	Scenario 2	3.54E-01	1.03E-03	--
3235	641298.5	4167236.2	Worker	Scenario 2	1.76E-01	2.29E-03	--
3236	641323.5	4167236.2	Worker	Scenario 2	2.36E-01	3.20E-03	--
3237	641348.5	4167236.2	Worker	Scenario 2	3.73E-01	5.36E-03	--
3238	644623.5	4167236.2	Worker	Scenario 2	3.77E-01	1.09E-03	--
3239	644648.5	4167236.2	Worker	Scenario 2	3.68E-01	1.06E-03	--
3240	644673.5	4167236.2	Worker	Scenario 2	3.59E-01	1.04E-03	--
3241	641298.5	4167261.2	Worker	Scenario 2	1.78E-01	2.33E-03	--
3242	641323.5	4167261.2	Worker	Scenario 2	2.40E-01	3.26E-03	--
3243	641348.5	4167261.2	Worker	Scenario 2	3.81E-01	5.47E-03	--
3244	641298.5	4167286.2	Worker	Scenario 2	1.81E-01	2.38E-03	--
3245	641323.5	4167286.2	Worker	Scenario 2	2.44E-01	3.32E-03	--
3246	641348.5	4167286.2	Worker	Scenario 2	3.88E-01	5.59E-03	--
3247	641298.5	4167311.2	Worker	Scenario 2	1.83E-01	2.42E-03	--
3248	641323.5	4167311.2	Worker	Scenario 2	2.47E-01	3.38E-03	--
3249	641348.5	4167311.2	Worker	Scenario 2	3.96E-01	5.71E-03	--
3250	641723.5	4167311.2	Roadway/Waterway	Scenario 2	--	--	--
3251	641298.5	4167336.2	Worker	Scenario 2	1.86E-01	2.47E-03	--
3252	641323.5	4167336.2	Worker	Scenario 2	2.51E-01	3.45E-03	--
3253	641348.5	4167336.2	Worker	Scenario 2	4.03E-01	5.84E-03	--
3254	641623.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
3255	641648.5	4167336.2	Roadway/Waterway	Scenario 2	--	--	--
3256	641298.5	4167361.2	Worker	Scenario 2	1.88E-01	2.52E-03	--
3257	641323.5	4167361.2	Worker	Scenario 2	2.55E-01	3.52E-03	--
3258	641348.5	4167361.2	Worker	Scenario 2	4.12E-01	5.98E-03	--
3259	641548.5	4167361.2	Roadway/Waterway	Scenario 2	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3260	644523.5	4167361.2	Worker	Scenario 2	4.35E-01	1.23E-03	--
3261	641298.5	4167386.2	Worker	Scenario 2	1.91E-01	2.57E-03	--
3262	641323.5	4167386.2	Worker	Scenario 2	2.58E-01	3.59E-03	--
3263	641348.5	4167386.2	Worker	Scenario 2	4.20E-01	6.11E-03	--
3264	641448.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
3265	641473.5	4167386.2	Roadway/Waterway	Scenario 2	--	--	--
3266	644448.5	4167386.2	Worker	Scenario 2	4.73E-01	1.33E-03	--
3267	641298.5	4167411.2	Worker	Scenario 2	1.93E-01	2.63E-03	--
3268	641323.5	4167411.2	Worker	Scenario 2	2.62E-01	3.67E-03	--
3269	641348.5	4167411.2	Worker	Scenario 2	4.27E-01	6.25E-03	--
3270	644348.5	4167411.2	Worker	Scenario 2	5.30E-01	1.48E-03	--
3271	644373.5	4167411.2	Worker	Scenario 2	5.15E-01	1.44E-03	--
3272	643348.5	4167436.2	Worker	Scenario 2	4.39E+00	1.13E-02	--
3273	643373.5	4167436.2	Worker	Scenario 2	3.90E+00	1.01E-02	--
3274	643398.5	4167436.2	Worker	Scenario 2	3.52E+00	9.13E-03	--
3275	643423.5	4167436.2	Worker	Scenario 2	3.20E+00	8.30E-03	--
3276	643448.5	4167436.2	Worker	Scenario 2	2.92E+00	7.59E-03	--
3277	643473.5	4167436.2	Worker	Scenario 2	2.67E+00	6.97E-03	--
3278	643498.5	4167436.2	Worker	Scenario 2	2.46E+00	6.43E-03	--
3279	643523.5	4167436.2	Worker	Scenario 2	2.27E+00	5.96E-03	--
3280	643548.5	4167436.2	Worker	Scenario 2	2.11E+00	5.54E-03	--
3281	643573.5	4167436.2	Worker	Scenario 2	1.96E+00	5.18E-03	--
3282	643598.5	4167436.2	Worker	Scenario 2	1.83E+00	4.85E-03	--
3283	643623.5	4167436.2	Worker	Scenario 2	1.72E+00	4.56E-03	--
3284	643648.5	4167436.2	Worker	Scenario 2	1.62E+00	4.29E-03	--
3285	643673.5	4167436.2	Worker	Scenario 2	1.52E+00	4.06E-03	--
3286	643698.5	4167436.2	Worker	Scenario 2	1.44E+00	3.84E-03	--
3287	643723.5	4167436.2	Worker	Scenario 2	1.36E+00	3.65E-03	--
3288	643748.5	4167436.2	Worker	Scenario 2	1.29E+00	3.47E-03	--
3289	644273.5	4167436.2	Worker	Scenario 2	5.78E-01	1.61E-03	--
3290	644298.5	4167436.2	Worker	Scenario 2	5.61E-01	1.57E-03	--
3291	643323.5	4167461.2	Worker	Scenario 2	5.53E+00	1.41E-02	--
3292	643348.5	4167461.2	Worker	Scenario 2	4.79E+00	1.22E-02	--
3293	643873.5	4167461.2	Worker	Scenario 2	1.03E+00	2.79E-03	--
3294	643898.5	4167461.2	Worker	Scenario 2	9.88E-01	2.68E-03	--
3295	644198.5	4167461.2	Worker	Scenario 2	6.34E-01	1.76E-03	--
3296	644223.5	4167461.2	Worker	Scenario 2	6.13E-01	1.70E-03	--
3297	643298.5	4167486.2	Worker	Scenario 2	7.03E+00	1.77E-02	--
3298	643323.5	4167486.2	Worker	Scenario 2	5.80E+00	1.47E-02	--
3299	643348.5	4167486.2	Worker	Scenario 2	5.00E+00	1.27E-02	--
3300	644098.5	4167486.2	Worker	Scenario 2	7.21E-01	1.98E-03	--
3301	644123.5	4167486.2	Worker	Scenario 2	6.96E-01	1.92E-03	--
3302	644148.5	4167486.2	Worker	Scenario 2	6.72E-01	1.86E-03	--
3303	643273.5	4167511.2	Worker	Scenario 2	8.23E+00	2.06E-02	--
3304	643298.5	4167511.2	Worker	Scenario 2	6.63E+00	1.67E-02	--
3305	643323.5	4167511.2	Worker	Scenario 2	5.64E+00	1.43E-02	--
3306	643273.5	4167536.2	Worker	Scenario 2	6.72E+00	1.69E-02	--
3307	643298.5	4167536.2	Worker	Scenario 2	5.76E+00	1.46E-02	--
3308	643248.5	4167561.2	Worker	Scenario 2	5.55E+00	1.42E-02	--
3309	643273.5	4167561.2	Worker	Scenario 2	4.99E+00	1.28E-02	--
3310	643223.5	4167586.2	Worker	Scenario 2	3.44E+00	9.22E-03	--
3311	643248.5	4167586.2	Worker	Scenario 2	3.44E+00	9.12E-03	--
3312	643198.5	4167611.2	Worker	Scenario 2	1.73E+00	5.20E-03	--
3313	643223.5	4167611.2	Worker	Scenario 2	1.90E+00	5.49E-03	--
3314	643248.5	4167611.2	Worker	Scenario 2	2.09E+00	5.86E-03	--
3315	643173.5	4167636.2	Worker	Scenario 2	1.07E+00	3.65E-03	--
3316	643198.5	4167636.2	Worker	Scenario 2	1.07E+00	3.55E-03	--
3317	643223.5	4167636.2	Worker	Scenario 2	1.19E+00	3.75E-03	--
3318	643173.5	4167661.2	Worker	Scenario 2	8.43E-01	3.04E-03	--
3319	643198.5	4167661.2	Worker	Scenario 2	8.24E-01	2.90E-03	--
3320	643148.5	4167686.2	Worker	Scenario 2	8.21E-01	3.02E-03	--
3321	643173.5	4167686.2	Worker	Scenario 2	7.36E-01	2.71E-03	--
3322	643123.5	4167711.2	Worker	Scenario 2	8.53E-01	3.13E-03	--
3323	643148.5	4167711.2	Worker	Scenario 2	7.30E-01	2.72E-03	--
3324	643098.5	4167736.2	Worker	Scenario 2	8.86E-01	3.24E-03	--
3325	643123.5	4167736.2	Worker	Scenario 2	7.50E-01	2.79E-03	--
3326	643098.5	4167761.2	Worker	Scenario 2	7.75E-01	2.87E-03	--
3327	643123.5	4167761.2	Worker	Scenario 2	6.89E-01	2.58E-03	--
3328	643073.5	4167786.2	Worker	Scenario 2	7.71E-01	2.88E-03	--
3329	643098.5	4167786.2	Worker	Scenario 2	6.98E-01	2.61E-03	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3330	643048.5	4167811.2	Worker	Scenario 2	7.63E-01	2.87E-03	--
3331	643073.5	4167811.2	Worker	Scenario 2	6.91E-01	2.60E-03	--
3332	643023.5	4167836.2	Worker	Scenario 2	7.44E-01	2.82E-03	--
3333	643048.5	4167836.2	Worker	Scenario 2	6.73E-01	2.56E-03	--
3334	642998.5	4167861.2	Worker	Scenario 2	7.11E-01	2.73E-03	--
3335	643023.5	4167861.2	Worker	Scenario 2	6.51E-01	2.50E-03	--
3336	642973.5	4167886.2	Worker	Scenario 2	6.77E-01	2.65E-03	--
3337	642998.5	4167886.2	Worker	Scenario 2	6.24E-01	2.43E-03	--
3338	642948.5	4167911.2	Worker	Scenario 2	6.31E-01	2.52E-03	--
3339	642973.5	4167911.2	Worker	Scenario 2	5.99E-01	2.37E-03	--
3340	642898.5	4167936.2	Worker	Scenario 2	6.21E-01	2.57E-03	--
3341	642923.5	4167936.2	Worker	Scenario 2	5.89E-01	2.40E-03	--
3342	642873.5	4167961.2	Worker	Scenario 2	5.74E-01	2.43E-03	--
3343	642898.5	4167961.2	Worker	Scenario 2	5.57E-01	2.31E-03	--
3344	642823.5	4167986.2	Worker	Scenario 2	5.49E-01	2.43E-03	--
3345	642848.5	4167986.2	Worker	Scenario 2	5.34E-01	2.31E-03	--
3346	642798.5	4168011.2	Worker	Scenario 2	5.09E-01	2.30E-03	--
3347	642823.5	4168011.2	Worker	Scenario 2	5.03E-01	2.22E-03	--
3348	642748.5	4168036.2	Worker	Scenario 2	4.82E-01	2.30E-03	--
3349	642773.5	4168036.2	Worker	Scenario 2	4.75E-01	2.20E-03	--
3350	642698.5	4168061.2	Worker	Scenario 2	4.53E-01	2.27E-03	--
3351	642723.5	4168061.2	Worker	Scenario 2	4.48E-01	2.18E-03	--
3352	642748.5	4168061.2	Worker	Scenario 2	4.47E-01	2.10E-03	--
3353	642673.5	4168086.2	Worker	Scenario 2	4.22E-01	2.17E-03	--
3354	642698.5	4168086.2	Worker	Scenario 2	4.18E-01	2.07E-03	--
3355	642623.5	4168111.2	Worker	Scenario 2	3.94E-01	2.14E-03	--
3356	642648.5	4168111.2	Worker	Scenario 2	3.92E-01	2.06E-03	--
3357	642673.5	4168111.2	Worker	Scenario 2	3.93E-01	1.99E-03	--
3358	642598.5	4168136.2	Worker	Scenario 2	3.70E-01	2.05E-03	--
3359	642623.5	4168136.2	Worker	Scenario 2	3.67E-01	1.96E-03	--
3360	642548.5	4168161.2	Worker	Scenario 2	3.47E-01	2.03E-03	--
3361	642573.5	4168161.2	Worker	Scenario 2	3.45E-01	1.95E-03	--
3362	642523.5	4168186.2	Worker	Scenario 2	3.26E-01	1.95E-03	--
3363	642548.5	4168186.2	Worker	Scenario 2	3.26E-01	1.87E-03	--
3364	642498.5	4168211.2	Worker	Scenario 2	3.08E-01	1.87E-03	--
3365	642473.5	4168236.2	Worker	Scenario 2	2.92E-01	1.80E-03	--
3366	642448.5	4168261.2	Worker	Scenario 2	2.79E-01	1.74E-03	--
3367	642423.5	4168286.2	Worker	Scenario 2	2.66E-01	1.68E-03	--
3368	642398.5	4168311.2	Worker	Scenario 2	2.55E-01	1.62E-03	--
3369	642423.5	4168311.2	Worker	Scenario 2	2.57E-01	1.58E-03	--
3370	642348.5	4168336.2	Worker	Scenario 2	2.47E-01	1.64E-03	--
3371	642373.5	4168336.2	Worker	Scenario 2	2.45E-01	1.57E-03	--
3372	639573.5	4168361.2	Worker	Scenario 2	2.01E-02	1.53E-04	--
3373	639598.5	4168361.2	Worker	Scenario 2	2.05E-02	1.56E-04	--
3374	639623.5	4168361.2	Worker	Scenario 2	2.08E-02	1.59E-04	--
3375	642323.5	4168361.2	Worker	Scenario 2	2.36E-01	1.58E-03	--
3376	642348.5	4168361.2	Worker	Scenario 2	2.35E-01	1.53E-03	--
3377	639523.5	4168386.2	Worker	Scenario 2	1.96E-02	1.48E-04	--
3378	639548.5	4168386.2	Worker	Scenario 2	1.99E-02	1.51E-04	--
3379	639573.5	4168386.2	Worker	Scenario 2	2.03E-02	1.54E-04	--
3380	639598.5	4168386.2	Worker	Scenario 2	2.06E-02	1.57E-04	--
3381	639623.5	4168386.2	Worker	Scenario 2	2.10E-02	1.60E-04	--
3382	642273.5	4168386.2	Worker	Scenario 2	2.26E-01	1.57E-03	--
3383	642298.5	4168386.2	Worker	Scenario 2	2.25E-01	1.52E-03	--
3384	639498.5	4168411.2	Worker	Scenario 2	1.95E-02	1.46E-04	--
3385	639523.5	4168411.2	Worker	Scenario 2	1.98E-02	1.49E-04	--
3386	639548.5	4168411.2	Worker	Scenario 2	2.01E-02	1.51E-04	--
3387	639573.5	4168411.2	Worker	Scenario 2	2.04E-02	1.54E-04	--
3388	639598.5	4168411.2	Worker	Scenario 2	2.08E-02	1.58E-04	--
3389	639623.5	4168411.2	Worker	Scenario 2	2.12E-02	1.61E-04	--
3390	642223.5	4168411.2	Worker	Scenario 2	2.15E-01	1.56E-03	--
3391	642248.5	4168411.2	Worker	Scenario 2	2.15E-01	1.51E-03	--
3392	639448.5	4168436.2	Worker	Scenario 2	1.91E-02	1.41E-04	--
3393	639473.5	4168436.2	Worker	Scenario 2	1.94E-02	1.44E-04	--
3394	639498.5	4168436.2	Worker	Scenario 2	1.97E-02	1.46E-04	--
3395	639523.5	4168436.2	Worker	Scenario 2	2.00E-02	1.49E-04	--
3396	639548.5	4168436.2	Worker	Scenario 2	2.03E-02	1.52E-04	--
3397	639573.5	4168436.2	Worker	Scenario 2	2.06E-02	1.55E-04	--
3398	639598.5	4168436.2	Worker	Scenario 2	2.10E-02	1.58E-04	--
3399	639623.5	4168436.2	Worker	Scenario 2	2.14E-02	1.61E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3400	642148.5	4168436.2	Worker	Scenario 2	2.04E-01	1.59E-03	--
3401	642173.5	4168436.2	Worker	Scenario 2	2.04E-01	1.54E-03	--
3402	642198.5	4168436.2	Worker	Scenario 2	2.05E-01	1.50E-03	--
3403	642098.5	4168461.2	Worker	Scenario 2	1.96E-01	1.59E-03	--
3404	642123.5	4168461.2	Worker	Scenario 2	1.96E-01	1.54E-03	--
3405	642148.5	4168461.2	Worker	Scenario 2	1.97E-01	1.49E-03	--
3406	642048.5	4168486.2	Worker	Scenario 2	1.89E-01	1.59E-03	--
3407	642073.5	4168486.2	Worker	Scenario 2	1.88E-01	1.53E-03	--
3408	642098.5	4168486.2	Worker	Scenario 2	1.89E-01	1.49E-03	--
3409	641973.5	4168511.2	Worker	Scenario 2	1.83E-01	1.64E-03	--
3410	641998.5	4168511.2	Worker	Scenario 2	1.82E-01	1.59E-03	--
3411	642023.5	4168511.2	Worker	Scenario 2	1.82E-01	1.53E-03	--
3412	641923.5	4168536.2	Worker	Scenario 2	1.78E-01	1.66E-03	--
3413	641948.5	4168536.2	Worker	Scenario 2	1.77E-01	1.60E-03	--
3414	641973.5	4168536.2	Worker	Scenario 2	1.77E-01	1.55E-03	--
3415	641873.5	4168561.2	Worker	Scenario 2	1.75E-01	1.69E-03	--
3416	641898.5	4168561.2	Worker	Scenario 2	1.74E-01	1.62E-03	--
3417	641823.5	4168586.2	Worker	Scenario 2	1.73E-01	1.74E-03	--
3418	641848.5	4168586.2	Worker	Scenario 2	1.71E-01	1.67E-03	--
3419	641748.5	4168611.2	Worker	Scenario 2	1.76E-01	1.90E-03	--
3420	641773.5	4168611.2	Worker	Scenario 2	1.73E-01	1.81E-03	--
3421	641798.5	4168611.2	Worker	Scenario 2	1.71E-01	1.73E-03	--
3422	641673.5	4168636.2	Worker	Scenario 2	1.83E-01	2.14E-03	--
3423	641698.5	4168636.2	Worker	Scenario 2	1.79E-01	2.03E-03	--
3424	641723.5	4168636.2	Worker	Scenario 2	1.75E-01	1.92E-03	--
3425	641598.5	4168661.2	Worker	Scenario 2	1.98E-01	2.55E-03	--
3426	641623.5	4168661.2	Worker	Scenario 2	1.90E-01	2.36E-03	--
3427	641648.5	4168661.2	Worker	Scenario 2	1.84E-01	2.21E-03	--
3428	641523.5	4168686.2	Worker	Scenario 2	2.30E-01	3.28E-03	--
3429	641548.5	4168686.2	Worker	Scenario 2	2.15E-01	2.96E-03	--
3430	641573.5	4168686.2	Worker	Scenario 2	2.03E-01	2.69E-03	--
3431	641448.5	4168711.2	Worker	Scenario 2	3.06E-01	4.91E-03	--
3432	641473.5	4168711.2	Worker	Scenario 2	2.69E-01	4.17E-03	--
3433	641498.5	4168711.2	Worker	Scenario 2	2.44E-01	3.64E-03	--
3434	641373.5	4168736.2	Worker	Scenario 2	5.90E-01	1.10E-02	--
3435	641398.5	4168736.2	Worker	Scenario 2	4.32E-01	7.69E-03	--
3436	641423.5	4168736.2	Worker	Scenario 2	3.50E-01	5.97E-03	--
3437	641298.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
3438	641323.5	4168761.2	Roadway/Waterway	Scenario 2	--	--	--
3439	641348.5	4168761.2	Worker	Scenario 2	7.57E-01	1.69E-02	--
3440	641373.5	4168761.2	Worker	Scenario 2	5.68E-01	1.10E-02	--
3441	641398.5	4168761.2	Worker	Scenario 2	4.27E-01	7.81E-03	--
3442	641423.5	4168761.2	Worker	Scenario 2	3.49E-01	6.07E-03	--
3443	641248.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
3444	641273.5	4168786.2	Roadway/Waterway	Scenario 2	--	--	--
3445	641348.5	4168786.2	Worker	Scenario 2	7.50E-01	1.71E-02	--
3446	641373.5	4168786.2	Worker	Scenario 2	5.70E-01	1.13E-02	--
3447	641398.5	4168786.2	Worker	Scenario 2	4.28E-01	8.01E-03	--
3448	641423.5	4168786.2	Worker	Scenario 2	3.49E-01	6.18E-03	--
3449	641173.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
3450	641198.5	4168811.2	Roadway/Waterway	Scenario 2	--	--	--
3451	641348.5	4168811.2	Worker	Scenario 2	8.37E-01	1.93E-02	--
3452	641373.5	4168811.2	Worker	Scenario 2	5.72E-01	1.17E-02	--
3453	641398.5	4168811.2	Worker	Scenario 2	4.29E-01	8.21E-03	--
3454	641423.5	4168811.2	Worker	Scenario 2	3.49E-01	6.26E-03	--
3455	641098.5	4168836.2	Roadway/Waterway	Scenario 2	--	--	--
3456	641348.5	4168836.2	Worker	Scenario 2	8.38E-01	2.00E-02	--
3457	641373.5	4168836.2	Worker	Scenario 2	5.75E-01	1.21E-02	--
3458	641398.5	4168836.2	Worker	Scenario 2	4.29E-01	8.36E-03	--
3459	641423.5	4168836.2	Worker	Scenario 2	3.47E-01	6.29E-03	--
3460	641023.5	4168861.2	Roadway/Waterway	Scenario 2	--	--	--
3461	641348.5	4168861.2	Worker	Scenario 2	9.33E-01	2.30E-02	--
3462	641373.5	4168861.2	Worker	Scenario 2	5.76E-01	1.25E-02	--
3463	641398.5	4168861.2	Worker	Scenario 2	4.26E-01	8.36E-03	--
3464	641423.5	4168861.2	Worker	Scenario 2	3.45E-01	6.20E-03	--
3465	640948.5	4168886.2	Roadway/Waterway	Scenario 2	--	--	--
3466	641348.5	4168886.2	Worker	Scenario 2	8.92E-01	2.35E-02	--
3467	641373.5	4168886.2	Worker	Scenario 2	5.63E-01	1.20E-02	--
3468	641398.5	4168886.2	Worker	Scenario 2	4.20E-01	8.03E-03	--
3469	641423.5	4168886.2	Worker	Scenario 2	3.41E-01	5.99E-03	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3470	640873.5	4168911.2	Roadway/Waterway	Scenario 2	--	--	--
3471	641348.5	4168911.2	Worker	Scenario 2	8.80E-01	2.00E-02	--
3472	641373.5	4168911.2	Worker	Scenario 2	5.56E-01	1.11E-02	--
3473	641398.5	4168911.2	Worker	Scenario 2	4.15E-01	7.58E-03	--
3474	641423.5	4168911.2	Worker	Scenario 2	3.37E-01	5.72E-03	--
3475	640773.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
3476	640798.5	4168936.2	Roadway/Waterway	Scenario 2	--	--	--
3477	641348.5	4168936.2	Worker	Scenario 2	8.62E-01	1.86E-02	--
3478	641373.5	4168936.2	Worker	Scenario 2	5.49E-01	1.05E-02	--
3479	641398.5	4168936.2	Worker	Scenario 2	4.11E-01	7.23E-03	--
3480	641423.5	4168936.2	Worker	Scenario 2	3.34E-01	5.48E-03	--
3481	640548.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
3482	640573.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
3483	640698.5	4168961.2	Roadway/Waterway	Scenario 2	--	--	--
3484	641348.5	4168961.2	Worker	Scenario 2	8.48E-01	1.79E-02	--
3485	641373.5	4168961.2	Worker	Scenario 2	5.43E-01	1.01E-02	--
3486	641398.5	4168961.2	Worker	Scenario 2	4.08E-01	6.97E-03	--
3487	641423.5	4168961.2	Worker	Scenario 2	3.32E-01	5.29E-03	--
3488	640598.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
3489	640623.5	4168986.2	Roadway/Waterway	Scenario 2	--	--	--
3490	641348.5	4168986.2	Worker	Scenario 2	8.40E-01	1.74E-02	--
3491	641373.5	4168986.2	Worker	Scenario 2	5.39E-01	9.80E-03	--
3492	641398.5	4168986.2	Worker	Scenario 2	4.04E-01	6.76E-03	--
3493	641423.5	4168986.2	Worker	Scenario 2	3.29E-01	5.13E-03	--
3494	640448.5	4169011.2	Worker	Scenario 2	4.74E-02	3.93E-04	--
3495	640523.5	4169011.2	Worker	Scenario 2	5.06E-02	4.32E-04	--
3496	641348.5	4169011.2	Worker	Scenario 2	8.35E-01	1.71E-02	--
3497	641373.5	4169011.2	Worker	Scenario 2	5.34E-01	9.55E-03	--
3498	641398.5	4169011.2	Worker	Scenario 2	4.01E-01	6.57E-03	--
3499	641423.5	4169011.2	Worker	Scenario 2	3.26E-01	4.97E-03	--
3500	640448.5	4169036.2	Worker	Scenario 2	4.75E-02	3.91E-04	--
3501	640473.5	4169036.2	Worker	Scenario 2	4.84E-02	4.03E-04	--
3502	640523.5	4169036.2	Worker	Scenario 2	5.05E-02	4.30E-04	--
3503	641348.5	4169036.2	Worker	Scenario 2	8.29E-01	1.67E-02	--
3504	641373.5	4169036.2	Worker	Scenario 2	5.30E-01	9.30E-03	--
3505	641398.5	4169036.2	Worker	Scenario 2	3.97E-01	6.37E-03	--
3506	641423.5	4169036.2	Worker	Scenario 2	3.23E-01	4.81E-03	--
3507	640448.5	4169061.2	Worker	Scenario 2	4.74E-02	3.90E-04	--
3508	640473.5	4169061.2	Worker	Scenario 2	4.84E-02	4.02E-04	--
3509	640523.5	4169061.2	Worker	Scenario 2	5.05E-02	4.29E-04	--
3510	641348.5	4169061.2	Worker	Scenario 2	8.23E-01	1.63E-02	--
3511	641373.5	4169061.2	Worker	Scenario 2	5.27E-01	9.06E-03	--
3512	641398.5	4169061.2	Worker	Scenario 2	3.93E-01	6.16E-03	--
3513	641423.5	4169061.2	Worker	Scenario 2	3.18E-01	4.63E-03	--
3514	640448.5	4169086.2	Worker	Scenario 2	4.74E-02	3.88E-04	--
3515	640473.5	4169086.2	Worker	Scenario 2	4.84E-02	4.00E-04	--
3516	640523.5	4169086.2	Worker	Scenario 2	5.05E-02	4.27E-04	--
3517	641348.5	4169086.2	Worker	Scenario 2	8.16E-01	1.59E-02	--
3518	641373.5	4169086.2	Worker	Scenario 2	5.20E-01	8.74E-03	--
3519	641398.5	4169086.2	Worker	Scenario 2	3.87E-01	5.93E-03	--
3520	641423.5	4169086.2	Worker	Scenario 2	3.15E-01	4.46E-03	--
3521	640448.5	4169111.2	Worker	Scenario 2	4.74E-02	3.87E-04	--
3522	640473.5	4169111.2	Worker	Scenario 2	4.84E-02	3.99E-04	--
3523	640523.5	4169111.2	Worker	Scenario 2	5.05E-02	4.25E-04	--
3524	641348.5	4169111.2	Worker	Scenario 2	8.07E-01	1.54E-02	--
3525	641373.5	4169111.2	Worker	Scenario 2	5.13E-01	8.44E-03	--
3526	641398.5	4169111.2	Worker	Scenario 2	3.84E-01	5.73E-03	--
3527	641423.5	4169111.2	Worker	Scenario 2	3.12E-01	4.29E-03	--
3528	640448.5	4169136.2	Worker	Scenario 2	4.74E-02	3.86E-04	--
3529	640473.5	4169136.2	Worker	Scenario 2	4.83E-02	3.97E-04	--
3530	640523.5	4169136.2	Worker	Scenario 2	5.04E-02	4.23E-04	--
3531	641348.5	4169136.2	Worker	Scenario 2	7.92E-01	1.49E-02	--
3532	641373.5	4169136.2	Worker	Scenario 2	5.09E-01	8.22E-03	--
3533	641398.5	4169136.2	Worker	Scenario 2	3.81E-01	5.54E-03	--
3534	641423.5	4169136.2	Worker	Scenario 2	3.10E-01	4.11E-03	--
3535	640448.5	4169161.2	Worker	Scenario 2	4.73E-02	3.84E-04	--
3536	640473.5	4169161.2	Worker	Scenario 2	4.83E-02	3.96E-04	--
3537	640523.5	4169161.2	Worker	Scenario 2	5.03E-02	4.22E-04	--
3538	641348.5	4169161.2	Worker	Scenario 2	7.83E-01	1.46E-02	--
3539	641373.5	4169161.2	Worker	Scenario 2	5.05E-01	7.98E-03	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3540	641398.5	4169161.2	Worker	Scenario 2	3.77E-01	5.31E-03	--
3541	641423.5	4169161.2	Worker	Scenario 2	3.06E-01	3.90E-03	--
3542	640448.5	4169186.2	Worker	Scenario 2	4.73E-02	3.83E-04	--
3543	640473.5	4169186.2	Worker	Scenario 2	4.82E-02	3.94E-04	--
3544	640523.5	4169186.2	Worker	Scenario 2	5.02E-02	4.20E-04	--
3545	641348.5	4169186.2	Worker	Scenario 2	7.74E-01	1.42E-02	--
3546	641373.5	4169186.2	Worker	Scenario 2	4.99E-01	7.68E-03	--
3547	641398.5	4169186.2	Worker	Scenario 2	3.72E-01	5.04E-03	--
3548	641423.5	4169186.2	Worker	Scenario 2	3.02E-01	3.66E-03	--
3549	640448.5	4169211.2	Worker	Scenario 2	4.72E-02	3.81E-04	--
3550	640473.5	4169211.2	Worker	Scenario 2	4.82E-02	3.93E-04	--
3551	640498.5	4169211.2	Worker	Scenario 2	4.91E-02	4.05E-04	--
3552	640523.5	4169211.2	Worker	Scenario 2	5.02E-02	4.18E-04	--
3553	641348.5	4169211.2	Worker	Scenario 2	7.65E-01	1.37E-02	--
3554	641373.5	4169211.2	Worker	Scenario 2	4.92E-01	7.27E-03	--
3555	641398.5	4169211.2	Worker	Scenario 2	3.66E-01	4.67E-03	--
3556	641423.5	4169211.2	Worker	Scenario 2	2.97E-01	3.35E-03	--
3557	640448.5	4169236.2	Worker	Scenario 2	4.71E-02	3.79E-04	--
3558	640473.5	4169236.2	Worker	Scenario 2	4.81E-02	3.91E-04	--
3559	640498.5	4169236.2	Worker	Scenario 2	4.91E-02	4.03E-04	--
3560	640523.5	4169236.2	Worker	Scenario 2	5.01E-02	4.15E-04	--
3561	641348.5	4169236.2	Worker	Scenario 2	7.51E-01	1.30E-02	--
3562	641373.5	4169236.2	Worker	Scenario 2	4.81E-01	6.63E-03	--
3563	641398.5	4169236.2	Worker	Scenario 2	3.59E-01	4.16E-03	--
3564	641423.5	4169236.2	Worker	Scenario 2	2.91E-01	2.98E-03	--
3565	640448.5	4169261.2	Worker	Scenario 2	4.71E-02	3.78E-04	--
3566	640473.5	4169261.2	Worker	Scenario 2	4.80E-02	3.89E-04	--
3567	640498.5	4169261.2	Worker	Scenario 2	4.90E-02	4.00E-04	--
3568	640523.5	4169261.2	Worker	Scenario 2	5.00E-02	4.13E-04	--
3569	641348.5	4169261.2	Worker	Scenario 2	7.30E-01	1.17E-02	--
3570	641373.5	4169261.2	Worker	Scenario 2	4.66E-01	5.58E-03	--
3571	641398.5	4169261.2	Worker	Scenario 2	3.49E-01	3.49E-03	--
3572	641423.5	4169261.2	Worker	Scenario 2	2.85E-01	2.55E-03	--
3573	640448.5	4169286.2	Worker	Scenario 2	4.70E-02	3.76E-04	--
3574	640473.5	4169286.2	Worker	Scenario 2	4.79E-02	3.87E-04	--
3575	640498.5	4169286.2	Worker	Scenario 2	4.89E-02	3.98E-04	--
3576	640523.5	4169286.2	Worker	Scenario 2	4.98E-02	4.10E-04	--
3577	640923.5	4169286.2	Worker	Scenario 2	7.51E-02	7.60E-04	--
3578	640948.5	4169286.2	Worker	Scenario 2	7.77E-02	7.97E-04	--
3579	640973.5	4169286.2	Worker	Scenario 2	8.06E-02	8.37E-04	--
3580	640998.5	4169286.2	Worker	Scenario 2	8.38E-02	8.82E-04	--
3581	641023.5	4169286.2	Worker	Scenario 2	8.74E-02	9.30E-04	--
3582	641048.5	4169286.2	Worker	Scenario 2	9.14E-02	9.83E-04	--
3583	641073.5	4169286.2	Worker	Scenario 2	9.59E-02	1.04E-03	--
3584	641098.5	4169286.2	Worker	Scenario 2	1.01E-01	1.10E-03	--
3585	641123.5	4169286.2	Worker	Scenario 2	1.07E-01	1.18E-03	--
3586	641148.5	4169286.2	Worker	Scenario 2	1.15E-01	1.27E-03	--
3587	641173.5	4169286.2	Worker	Scenario 2	1.24E-01	1.39E-03	--
3588	641348.5	4169286.2	Worker	Scenario 2	6.82E-01	7.97E-03	--
3589	641373.5	4169286.2	Worker	Scenario 2	4.47E-01	4.03E-03	--
3590	641398.5	4169286.2	Worker	Scenario 2	3.39E-01	2.76E-03	--
3591	641423.5	4169286.2	Worker	Scenario 2	2.79E-01	2.14E-03	--
3592	640423.5	4169311.2	Worker	Scenario 2	4.60E-02	3.63E-04	--
3593	640448.5	4169311.2	Worker	Scenario 2	4.69E-02	3.74E-04	--
3594	640473.5	4169311.2	Worker	Scenario 2	4.78E-02	3.84E-04	--
3595	640498.5	4169311.2	Worker	Scenario 2	4.87E-02	3.96E-04	--
3596	640873.5	4169311.2	Worker	Scenario 2	7.00E-02	6.76E-04	--
3597	640898.5	4169311.2	Worker	Scenario 2	7.22E-02	7.05E-04	--
3598	640923.5	4169311.2	Worker	Scenario 2	7.46E-02	7.37E-04	--
3599	640948.5	4169311.2	Worker	Scenario 2	7.72E-02	7.71E-04	--
3600	640973.5	4169311.2	Worker	Scenario 2	8.01E-02	8.08E-04	--
3601	640998.5	4169311.2	Worker	Scenario 2	8.32E-02	8.47E-04	--
3602	641023.5	4169311.2	Worker	Scenario 2	8.67E-02	8.91E-04	--
3603	641048.5	4169311.2	Worker	Scenario 2	9.06E-02	9.38E-04	--
3604	641073.5	4169311.2	Worker	Scenario 2	9.50E-02	9.89E-04	--
3605	641098.5	4169311.2	Worker	Scenario 2	1.00E-01	1.05E-03	--
3606	641123.5	4169311.2	Worker	Scenario 2	1.06E-01	1.12E-03	--
3607	641148.5	4169311.2	Worker	Scenario 2	1.14E-01	1.20E-03	--
3608	641173.5	4169311.2	Worker	Scenario 2	1.23E-01	1.31E-03	--
3609	641348.5	4169311.2	Worker	Scenario 2	6.29E-01	4.05E-03	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3610	641373.5	4169311.2	Worker	Scenario 2	4.31E-01	2.85E-03	--
3611	641398.5	4169311.2	Worker	Scenario 2	3.31E-01	2.20E-03	--
3612	641423.5	4169311.2	Worker	Scenario 2	2.74E-01	1.82E-03	--
3613	640423.5	4169336.2	Worker	Scenario 2	4.59E-02	3.61E-04	--
3614	640448.5	4169336.2	Worker	Scenario 2	4.68E-02	3.71E-04	--
3615	640473.5	4169336.2	Worker	Scenario 2	4.77E-02	3.82E-04	--
3616	640498.5	4169336.2	Worker	Scenario 2	4.86E-02	3.93E-04	--
3617	640823.5	4169336.2	Worker	Scenario 2	6.57E-02	6.10E-04	--
3618	640848.5	4169336.2	Worker	Scenario 2	6.76E-02	6.34E-04	--
3619	640873.5	4169336.2	Worker	Scenario 2	6.96E-02	6.59E-04	--
3620	640898.5	4169336.2	Worker	Scenario 2	7.18E-02	6.86E-04	--
3621	640923.5	4169336.2	Worker	Scenario 2	7.42E-02	7.15E-04	--
3622	640948.5	4169336.2	Worker	Scenario 2	7.67E-02	7.46E-04	--
3623	640973.5	4169336.2	Worker	Scenario 2	7.95E-02	7.79E-04	--
3624	640998.5	4169336.2	Worker	Scenario 2	8.26E-02	8.15E-04	--
3625	641023.5	4169336.2	Worker	Scenario 2	8.60E-02	8.54E-04	--
3626	641048.5	4169336.2	Worker	Scenario 2	8.98E-02	8.97E-04	--
3627	641073.5	4169336.2	Worker	Scenario 2	9.42E-02	9.43E-04	--
3628	641098.5	4169336.2	Worker	Scenario 2	9.93E-02	9.96E-04	--
3629	641123.5	4169336.2	Worker	Scenario 2	1.05E-01	1.06E-03	--
3630	641148.5	4169336.2	Worker	Scenario 2	1.13E-01	1.13E-03	--
3631	641348.5	4169336.2	Worker	Scenario 2	6.09E-01	2.95E-03	--
3632	641373.5	4169336.2	Worker	Scenario 2	4.21E-01	2.28E-03	--
3633	641398.5	4169336.2	Worker	Scenario 2	3.26E-01	1.86E-03	--
3634	641423.5	4169336.2	Worker	Scenario 2	2.70E-01	1.59E-03	--
3635	640423.5	4169361.2	Worker	Scenario 2	4.58E-02	3.59E-04	--
3636	640448.5	4169361.2	Worker	Scenario 2	4.67E-02	3.69E-04	--
3637	640473.5	4169361.2	Worker	Scenario 2	4.76E-02	3.80E-04	--
3638	640498.5	4169361.2	Worker	Scenario 2	4.85E-02	3.90E-04	--
3639	640798.5	4169361.2	Worker	Scenario 2	6.37E-02	5.76E-04	--
3640	640823.5	4169361.2	Worker	Scenario 2	6.54E-02	5.96E-04	--
3641	640848.5	4169361.2	Worker	Scenario 2	6.73E-02	6.19E-04	--
3642	640873.5	4169361.2	Worker	Scenario 2	6.93E-02	6.42E-04	--
3643	640898.5	4169361.2	Worker	Scenario 2	7.14E-02	6.67E-04	--
3644	640923.5	4169361.2	Worker	Scenario 2	7.37E-02	6.94E-04	--
3645	640948.5	4169361.2	Worker	Scenario 2	7.62E-02	7.22E-04	--
3646	640973.5	4169361.2	Worker	Scenario 2	7.90E-02	7.52E-04	--
3647	640998.5	4169361.2	Worker	Scenario 2	8.20E-02	7.85E-04	--
3648	641023.5	4169361.2	Worker	Scenario 2	8.54E-02	8.20E-04	--
3649	641048.5	4169361.2	Worker	Scenario 2	8.91E-02	8.59E-04	--
3650	641073.5	4169361.2	Worker	Scenario 2	9.34E-02	9.01E-04	--
3651	641098.5	4169361.2	Worker	Scenario 2	9.84E-02	9.49E-04	--
3652	641123.5	4169361.2	Worker	Scenario 2	1.04E-01	1.00E-03	--
3653	641148.5	4169361.2	Worker	Scenario 2	1.11E-01	1.07E-03	--
3654	641348.5	4169361.2	Worker	Scenario 2	5.96E-01	2.50E-03	--
3655	641373.5	4169361.2	Worker	Scenario 2	4.13E-01	1.96E-03	--
3656	641398.5	4169361.2	Worker	Scenario 2	3.21E-01	1.65E-03	--
3657	641423.5	4169361.2	Worker	Scenario 2	2.67E-01	1.44E-03	--
3658	640423.5	4169386.2	Worker	Scenario 2	4.57E-02	3.57E-04	--
3659	640448.5	4169386.2	Worker	Scenario 2	4.66E-02	3.67E-04	--
3660	640473.5	4169386.2	Worker	Scenario 2	4.75E-02	3.77E-04	--
3661	640498.5	4169386.2	Worker	Scenario 2	4.84E-02	3.88E-04	--
3662	640773.5	4169386.2	Worker	Scenario 2	6.17E-02	5.45E-04	--
3663	640798.5	4169386.2	Worker	Scenario 2	6.34E-02	5.64E-04	--
3664	640823.5	4169386.2	Worker	Scenario 2	6.51E-02	5.83E-04	--
3665	640848.5	4169386.2	Worker	Scenario 2	6.69E-02	6.04E-04	--
3666	640873.5	4169386.2	Worker	Scenario 2	6.89E-02	6.26E-04	--
3667	640898.5	4169386.2	Worker	Scenario 2	7.10E-02	6.49E-04	--
3668	640923.5	4169386.2	Worker	Scenario 2	7.33E-02	6.73E-04	--
3669	641098.5	4169386.2	Worker	Scenario 2	9.76E-02	9.04E-04	--
3670	641123.5	4169386.2	Worker	Scenario 2	1.03E-01	9.52E-04	--
3671	641148.5	4169386.2	Worker	Scenario 2	1.10E-01	1.01E-03	--
3672	641173.5	4169386.2	Worker	Scenario 2	1.19E-01	1.07E-03	--
3673	641198.5	4169386.2	Worker	Scenario 2	1.31E-01	1.14E-03	--
3674	641223.5	4169386.2	Worker	Scenario 2	1.46E-01	1.22E-03	--
3675	641248.5	4169386.2	Worker	Scenario 2	1.69E-01	1.32E-03	--
3676	641273.5	4169386.2	Worker	Scenario 2	2.07E-01	1.43E-03	--
3677	641298.5	4169386.2	Worker	Scenario 2	2.84E-01	1.61E-03	--
3678	641348.5	4169386.2	Worker	Scenario 2	5.86E-01	2.26E-03	--
3679	641373.5	4169386.2	Worker	Scenario 2	4.08E-01	1.78E-03	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3680	641398.5	4169386.2	Worker	Scenario 2	3.17E-01	1.50E-03	--
3681	641423.5	4169386.2	Worker	Scenario 2	2.64E-01	1.33E-03	--
3682	640423.5	4169411.2	Worker	Scenario 2	4.56E-02	3.55E-04	--
3683	640448.5	4169411.2	Worker	Scenario 2	4.64E-02	3.65E-04	--
3684	640473.5	4169411.2	Worker	Scenario 2	4.73E-02	3.74E-04	--
3685	640498.5	4169411.2	Worker	Scenario 2	4.83E-02	3.85E-04	--
3686	640698.5	4169411.2	Worker	Scenario 2	5.72E-02	4.87E-04	--
3687	640723.5	4169411.2	Worker	Scenario 2	5.85E-02	5.02E-04	--
3688	640748.5	4169411.2	Worker	Scenario 2	5.99E-02	5.18E-04	--
3689	640773.5	4169411.2	Worker	Scenario 2	6.15E-02	5.35E-04	--
3690	640798.5	4169411.2	Worker	Scenario 2	6.30E-02	5.52E-04	--
3691	640823.5	4169411.2	Worker	Scenario 2	6.47E-02	5.70E-04	--
3692	640848.5	4169411.2	Worker	Scenario 2	6.66E-02	5.89E-04	--
3693	640873.5	4169411.2	Worker	Scenario 2	6.85E-02	6.10E-04	--
3694	641098.5	4169411.2	Worker	Scenario 2	9.68E-02	8.61E-04	--
3695	641123.5	4169411.2	Worker	Scenario 2	1.03E-01	9.02E-04	--
3696	641148.5	4169411.2	Worker	Scenario 2	1.10E-01	9.47E-04	--
3697	641173.5	4169411.2	Worker	Scenario 2	1.18E-01	9.97E-04	--
3698	641198.5	4169411.2	Worker	Scenario 2	1.29E-01	1.05E-03	--
3699	641223.5	4169411.2	Worker	Scenario 2	1.45E-01	1.11E-03	--
3700	641248.5	4169411.2	Worker	Scenario 2	1.68E-01	1.18E-03	--
3701	641273.5	4169411.2	Worker	Scenario 2	2.06E-01	1.28E-03	--
3702	641298.5	4169411.2	Worker	Scenario 2	2.84E-01	1.45E-03	--
3703	641348.5	4169411.2	Worker	Scenario 2	5.78E-01	2.10E-03	--
3704	641373.5	4169411.2	Worker	Scenario 2	4.03E-01	1.65E-03	--
3705	641398.5	4169411.2	Worker	Scenario 2	3.14E-01	1.40E-03	--
3706	641423.5	4169411.2	Worker	Scenario 2	2.62E-01	1.24E-03	--
3707	640423.5	4169436.2	Worker	Scenario 2	4.55E-02	3.53E-04	--
3708	640448.5	4169436.2	Worker	Scenario 2	4.63E-02	3.62E-04	--
3709	640473.5	4169436.2	Worker	Scenario 2	4.72E-02	3.72E-04	--
3710	640498.5	4169436.2	Worker	Scenario 2	4.81E-02	3.82E-04	--
3711	640523.5	4169436.2	Worker	Scenario 2	4.91E-02	3.92E-04	--
3712	640548.5	4169436.2	Worker	Scenario 2	5.00E-02	4.03E-04	--
3713	640573.5	4169436.2	Worker	Scenario 2	5.10E-02	4.15E-04	--
3714	640598.5	4169436.2	Worker	Scenario 2	5.21E-02	4.26E-04	--
3715	640623.5	4169436.2	Worker	Scenario 2	5.32E-02	4.39E-04	--
3716	640648.5	4169436.2	Worker	Scenario 2	5.44E-02	4.52E-04	--
3717	640673.5	4169436.2	Worker	Scenario 2	5.56E-02	4.65E-04	--
3718	640698.5	4169436.2	Worker	Scenario 2	5.69E-02	4.79E-04	--
3719	640723.5	4169436.2	Worker	Scenario 2	5.82E-02	4.93E-04	--
3720	640748.5	4169436.2	Worker	Scenario 2	5.97E-02	5.08E-04	--
3721	640773.5	4169436.2	Worker	Scenario 2	6.12E-02	5.24E-04	--
3722	640798.5	4169436.2	Worker	Scenario 2	6.27E-02	5.40E-04	--
3723	640823.5	4169436.2	Worker	Scenario 2	6.44E-02	5.57E-04	--
3724	641098.5	4169436.2	Worker	Scenario 2	9.60E-02	8.20E-04	--
3725	641123.5	4169436.2	Worker	Scenario 2	1.02E-01	8.54E-04	--
3726	641148.5	4169436.2	Worker	Scenario 2	1.09E-01	8.91E-04	--
3727	641173.5	4169436.2	Worker	Scenario 2	1.17E-01	9.31E-04	--
3728	641198.5	4169436.2	Worker	Scenario 2	1.28E-01	9.73E-04	--
3729	641223.5	4169436.2	Worker	Scenario 2	1.44E-01	1.02E-03	--
3730	641248.5	4169436.2	Worker	Scenario 2	1.67E-01	1.08E-03	--
3731	641273.5	4169436.2	Worker	Scenario 2	2.05E-01	1.17E-03	--
3732	641298.5	4169436.2	Worker	Scenario 2	2.84E-01	1.34E-03	--
3733	641348.5	4169436.2	Worker	Scenario 2	5.70E-01	1.99E-03	--
3734	641373.5	4169436.2	Worker	Scenario 2	3.98E-01	1.56E-03	--
3735	641398.5	4169436.2	Worker	Scenario 2	3.11E-01	1.32E-03	--
3736	640423.5	4169461.2	Worker	Scenario 2	4.53E-02	3.50E-04	--
3737	640448.5	4169461.2	Worker	Scenario 2	4.62E-02	3.59E-04	--
3738	640473.5	4169461.2	Worker	Scenario 2	4.71E-02	3.69E-04	--
3739	640498.5	4169461.2	Worker	Scenario 2	4.80E-02	3.79E-04	--
3740	640523.5	4169461.2	Worker	Scenario 2	4.89E-02	3.89E-04	--
3741	640548.5	4169461.2	Worker	Scenario 2	4.98E-02	3.99E-04	--
3742	640573.5	4169461.2	Worker	Scenario 2	5.08E-02	4.10E-04	--
3743	640598.5	4169461.2	Worker	Scenario 2	5.19E-02	4.21E-04	--
3744	640623.5	4169461.2	Worker	Scenario 2	5.30E-02	4.33E-04	--
3745	640648.5	4169461.2	Worker	Scenario 2	5.42E-02	4.45E-04	--
3746	640673.5	4169461.2	Worker	Scenario 2	5.54E-02	4.58E-04	--
3747	640698.5	4169461.2	Worker	Scenario 2	5.66E-02	4.71E-04	--
3748	640723.5	4169461.2	Worker	Scenario 2	5.80E-02	4.84E-04	--
3749	640748.5	4169461.2	Worker	Scenario 2	5.94E-02	4.99E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3750	640773.5	4169461.2	Worker	Scenario 2	6.09E-02	5.14E-04	--
3751	640798.5	4169461.2	Worker	Scenario 2	6.24E-02	5.29E-04	--
3752	641148.5	4169461.2	Worker	Scenario 2	1.08E-01	8.40E-04	--
3753	641173.5	4169461.2	Worker	Scenario 2	1.16E-01	8.72E-04	--
3754	641198.5	4169461.2	Worker	Scenario 2	1.27E-01	9.07E-04	--
3755	641223.5	4169461.2	Worker	Scenario 2	1.43E-01	9.47E-04	--
3756	641248.5	4169461.2	Worker	Scenario 2	1.66E-01	1.00E-03	--
3757	641273.5	4169461.2	Worker	Scenario 2	2.05E-01	1.09E-03	--
3758	641298.5	4169461.2	Worker	Scenario 2	2.85E-01	1.27E-03	--
3759	641348.5	4169461.2	Worker	Scenario 2	5.63E-01	1.90E-03	--
3760	641373.5	4169461.2	Worker	Scenario 2	3.94E-01	1.49E-03	--
3761	638073.5	4169486.2	Worker	Scenario 2	1.24E-02	7.58E-05	--
3762	639398.5	4169486.2	Worker	Scenario 2	2.49E-02	1.58E-04	--
3763	640448.5	4169486.2	Worker	Scenario 2	4.60E-02	3.56E-04	--
3764	640473.5	4169486.2	Worker	Scenario 2	4.69E-02	3.65E-04	--
3765	640498.5	4169486.2	Worker	Scenario 2	4.78E-02	3.75E-04	--
3766	640523.5	4169486.2	Worker	Scenario 2	4.87E-02	3.85E-04	--
3767	640548.5	4169486.2	Worker	Scenario 2	4.97E-02	3.95E-04	--
3768	640573.5	4169486.2	Worker	Scenario 2	5.07E-02	4.05E-04	--
3769	640598.5	4169486.2	Worker	Scenario 2	5.17E-02	4.16E-04	--
3770	640623.5	4169486.2	Worker	Scenario 2	5.28E-02	4.27E-04	--
3771	640648.5	4169486.2	Worker	Scenario 2	5.40E-02	4.39E-04	--
3772	640673.5	4169486.2	Worker	Scenario 2	5.52E-02	4.51E-04	--
3773	640698.5	4169486.2	Worker	Scenario 2	5.64E-02	4.63E-04	--
3774	640723.5	4169486.2	Worker	Scenario 2	5.77E-02	4.76E-04	--
3775	640748.5	4169486.2	Worker	Scenario 2	5.91E-02	4.89E-04	--
3776	640773.5	4169486.2	Worker	Scenario 2	6.06E-02	5.03E-04	--
3777	638048.5	4169511.2	Worker	Scenario 2	1.23E-02	7.51E-05	--
3778	638073.5	4169511.2	Worker	Scenario 2	1.25E-02	7.62E-05	--
3779	640473.5	4169511.2	Worker	Scenario 2	4.67E-02	3.62E-04	--
3780	640498.5	4169511.2	Worker	Scenario 2	4.76E-02	3.71E-04	--
3781	640523.5	4169511.2	Worker	Scenario 2	4.85E-02	3.81E-04	--
3782	640548.5	4169511.2	Worker	Scenario 2	4.95E-02	3.90E-04	--
3783	640573.5	4169511.2	Worker	Scenario 2	5.05E-02	4.00E-04	--
3784	640598.5	4169511.2	Worker	Scenario 2	5.15E-02	4.11E-04	--
3785	640623.5	4169511.2	Worker	Scenario 2	5.26E-02	4.21E-04	--
3786	640648.5	4169511.2	Worker	Scenario 2	5.37E-02	4.32E-04	--
3787	640673.5	4169511.2	Worker	Scenario 2	5.49E-02	4.43E-04	--
3788	638023.5	4169536.2	Worker	Scenario 2	1.23E-02	7.46E-05	--
3789	638048.5	4169536.2	Worker	Scenario 2	1.25E-02	7.56E-05	--
3790	638073.5	4169536.2	Worker	Scenario 2	1.26E-02	7.64E-05	--
3791	637998.5	4169561.2	Worker	Scenario 2	1.22E-02	7.40E-05	--
3792	638023.5	4169561.2	Worker	Scenario 2	1.24E-02	7.50E-05	--
3793	638048.5	4169561.2	Worker	Scenario 2	1.25E-02	7.58E-05	--
3794	638073.5	4169561.2	Worker	Scenario 2	1.27E-02	7.67E-05	--
3795	637998.5	4169586.2	Worker	Scenario 2	1.23E-02	7.44E-05	--
3796	638023.5	4169586.2	Worker	Scenario 2	1.25E-02	7.52E-05	--
3797	638048.5	4169586.2	Worker	Scenario 2	1.26E-02	7.61E-05	--
3798	638073.5	4169586.2	Worker	Scenario 2	1.28E-02	7.69E-05	--
3799	637998.5	4169611.2	Worker	Scenario 2	1.24E-02	7.46E-05	--
3800	638023.5	4169611.2	Worker	Scenario 2	1.26E-02	7.55E-05	--
3801	638048.5	4169611.2	Worker	Scenario 2	1.27E-02	7.63E-05	--
3802	638073.5	4169611.2	Worker	Scenario 2	1.28E-02	7.71E-05	--
3803	639248.5	4169611.2	Worker	Scenario 2	2.34E-02	1.45E-04	--
3804	637998.5	4169636.2	Worker	Scenario 2	1.25E-02	7.49E-05	--
3805	638023.5	4169636.2	Worker	Scenario 2	1.26E-02	7.57E-05	--
3806	638048.5	4169636.2	Worker	Scenario 2	1.28E-02	7.65E-05	--
3807	638073.5	4169636.2	Worker	Scenario 2	1.29E-02	7.73E-05	--
3808	637998.5	4169661.2	Worker	Scenario 2	1.26E-02	7.51E-05	--
3809	638023.5	4169661.2	Worker	Scenario 2	1.27E-02	7.59E-05	--
3810	638048.5	4169661.2	Worker	Scenario 2	1.28E-02	7.67E-05	--
3811	638073.5	4169661.2	Worker	Scenario 2	1.30E-02	7.75E-05	--
3812	637998.5	4169686.2	Worker	Scenario 2	1.26E-02	7.53E-05	--
3813	638023.5	4169686.2	Worker	Scenario 2	1.28E-02	7.61E-05	--
3814	638048.5	4169686.2	Worker	Scenario 2	1.29E-02	7.69E-05	--
3815	638073.5	4169686.2	Worker	Scenario 2	1.30E-02	7.78E-05	--
3816	637998.5	4169711.2	Worker	Scenario 2	1.27E-02	7.55E-05	--
3817	638023.5	4169711.2	Worker	Scenario 2	1.28E-02	7.63E-05	--
3818	638048.5	4169711.2	Worker	Scenario 2	1.29E-02	7.67E-05	--
3819	638073.5	4169711.2	Worker	Scenario 2	1.31E-02	7.80E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3820	637998.5	4169736.2	Worker	Scenario 2	1.28E-02	7.58E-05	--
3821	638023.5	4169736.2	Worker	Scenario 2	1.29E-02	7.65E-05	--
3822	638048.5	4169736.2	Worker	Scenario 2	1.28E-02	7.66E-05	--
3823	638073.5	4169736.2	Worker	Scenario 2	1.32E-02	7.82E-05	--
3824	639098.5	4169736.2	Worker	Scenario 2	2.20E-02	1.34E-04	--
3825	637998.5	4169761.2	Worker	Scenario 2	1.28E-02	7.60E-05	--
3826	638023.5	4169761.2	Worker	Scenario 2	1.30E-02	7.67E-05	--
3827	638048.5	4169761.2	Worker	Scenario 2	1.30E-02	7.73E-05	--
3828	638073.5	4169761.2	Worker	Scenario 2	1.33E-02	7.85E-05	--
3829	639073.5	4169761.2	Worker	Scenario 2	2.18E-02	1.33E-04	--
3830	637998.5	4169786.2	Worker	Scenario 2	1.29E-02	7.62E-05	--
3831	638023.5	4169786.2	Worker	Scenario 2	1.30E-02	7.70E-05	--
3832	638048.5	4169786.2	Worker	Scenario 2	1.32E-02	7.79E-05	--
3833	638073.5	4169786.2	Worker	Scenario 2	1.33E-02	7.88E-05	--
3834	639048.5	4169786.2	Worker	Scenario 2	2.16E-02	1.31E-04	--
3835	637998.5	4169811.2	Worker	Scenario 2	1.30E-02	7.65E-05	--
3836	638023.5	4169811.2	Worker	Scenario 2	1.31E-02	7.73E-05	--
3837	638048.5	4169811.2	Worker	Scenario 2	1.33E-02	7.81E-05	--
3838	638073.5	4169811.2	Worker	Scenario 2	1.34E-02	7.90E-05	--
3839	637998.5	4169836.2	Worker	Scenario 2	1.31E-02	7.67E-05	--
3840	638023.5	4169836.2	Worker	Scenario 2	1.32E-02	7.76E-05	--
3841	638048.5	4169836.2	Worker	Scenario 2	1.33E-02	7.84E-05	--
3842	638073.5	4169836.2	Worker	Scenario 2	1.35E-02	7.93E-05	--
3843	637998.5	4169861.2	Worker	Scenario 2	1.31E-02	7.70E-05	--
3844	638023.5	4169861.2	Worker	Scenario 2	1.33E-02	7.78E-05	--
3845	638048.5	4169861.2	Worker	Scenario 2	1.34E-02	7.87E-05	--
3846	638073.5	4169861.2	Worker	Scenario 2	1.36E-02	7.95E-05	--
3847	637998.5	4169886.2	Worker	Scenario 2	1.32E-02	7.72E-05	--
3848	638023.5	4169886.2	Worker	Scenario 2	1.33E-02	7.81E-05	--
3849	638048.5	4169886.2	Worker	Scenario 2	1.35E-02	7.89E-05	--
3850	638073.5	4169886.2	Worker	Scenario 2	1.36E-02	7.98E-05	--
3851	637998.5	4169911.2	Worker	Scenario 2	1.33E-02	7.75E-05	--
3852	638023.5	4169911.2	Worker	Scenario 2	1.34E-02	7.84E-05	--
3853	638048.5	4169911.2	Worker	Scenario 2	1.35E-02	7.92E-05	--
3854	638073.5	4169911.2	Worker	Scenario 2	1.37E-02	8.01E-05	--
3855	637998.5	4169936.2	Worker	Scenario 2	1.33E-02	7.78E-05	--
3856	638023.5	4169936.2	Worker	Scenario 2	1.35E-02	7.86E-05	--
3857	638048.5	4169936.2	Worker	Scenario 2	1.36E-02	7.95E-05	--
3858	638073.5	4169936.2	Worker	Scenario 2	1.38E-02	8.04E-05	--
3859	637998.5	4169961.2	Worker	Scenario 2	1.34E-02	7.81E-05	--
3860	638023.5	4169961.2	Worker	Scenario 2	1.36E-02	7.89E-05	--
3861	638048.5	4169961.2	Worker	Scenario 2	1.37E-02	7.97E-05	--
3862	638073.5	4169961.2	Worker	Scenario 2	1.38E-02	8.06E-05	--
3863	637998.5	4169986.2	Worker	Scenario 2	1.35E-02	7.83E-05	--
3864	638023.5	4169986.2	Worker	Scenario 2	1.36E-02	7.92E-05	--
3865	638048.5	4169986.2	Worker	Scenario 2	1.38E-02	8.00E-05	--
3866	638073.5	4169986.2	Worker	Scenario 2	1.39E-02	8.09E-05	--
3867	637998.5	4170011.2	Worker	Scenario 2	1.36E-02	7.86E-05	--
3868	638023.5	4170011.2	Worker	Scenario 2	1.37E-02	7.95E-05	--
3869	638048.5	4170011.2	Worker	Scenario 2	1.38E-02	8.03E-05	--
3870	638073.5	4170011.2	Worker	Scenario 2	1.40E-02	8.12E-05	--
3871	637998.5	4170036.2	Worker	Scenario 2	1.36E-02	7.86E-05	--
3872	638023.5	4170036.2	Worker	Scenario 2	1.37E-02	7.94E-05	--
3873	638048.5	4170036.2	Worker	Scenario 2	1.39E-02	8.04E-05	--
3874	638073.5	4170036.2	Worker	Scenario 2	1.40E-02	8.14E-05	--
3875	638098.5	4170036.2	Worker	Scenario 2	1.42E-02	8.25E-05	--
3876	638123.5	4170036.2	Worker	Scenario 2	1.44E-02	8.34E-05	--
3877	638148.5	4170036.2	Worker	Scenario 2	1.45E-02	8.42E-05	--
3878	638173.5	4170036.2	Worker	Scenario 2	1.46E-02	8.51E-05	--
3879	638198.5	4170036.2	Worker	Scenario 2	1.48E-02	8.60E-05	--
3880	638223.5	4170036.2	Worker	Scenario 2	1.49E-02	8.70E-05	--
3881	638248.5	4170036.2	Worker	Scenario 2	1.51E-02	8.80E-05	--
3882	638273.5	4170036.2	Worker	Scenario 2	1.53E-02	8.90E-05	--
3883	638298.5	4170036.2	Worker	Scenario 2	1.55E-02	9.01E-05	--
3884	638323.5	4170036.2	Worker	Scenario 2	1.57E-02	9.12E-05	--
3885	638348.5	4170036.2	Worker	Scenario 2	1.58E-02	9.23E-05	--
3886	638373.5	4170036.2	Worker	Scenario 2	1.60E-02	9.35E-05	--
3887	638398.5	4170036.2	Worker	Scenario 2	1.62E-02	9.46E-05	--
3888	638423.5	4170036.2	Worker	Scenario 2	1.64E-02	9.57E-05	--
3889	638448.5	4170036.2	Worker	Scenario 2	1.66E-02	9.69E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3890	638473.5	4170036.2	Worker	Scenario 2	1.68E-02	9.84E-05	--
3891	638498.5	4170036.2	Worker	Scenario 2	1.70E-02	9.96E-05	--
3892	638523.5	4170036.2	Worker	Scenario 2	1.72E-02	1.01E-04	--
3893	638548.5	4170036.2	Worker	Scenario 2	1.74E-02	1.02E-04	--
3894	638573.5	4170036.2	Worker	Scenario 2	1.76E-02	1.03E-04	--
3895	638598.5	4170036.2	Worker	Scenario 2	1.78E-02	1.05E-04	--
3896	638623.5	4170036.2	Worker	Scenario 2	1.80E-02	1.06E-04	--
3897	638648.5	4170036.2	Worker	Scenario 2	1.83E-02	1.07E-04	--
3898	638673.5	4170036.2	Worker	Scenario 2	1.85E-02	1.09E-04	--
3899	638698.5	4170036.2	Worker	Scenario 2	1.87E-02	1.10E-04	--
3900	638723.5	4170036.2	Worker	Scenario 2	1.89E-02	1.12E-04	--
3901	638748.5	4170036.2	Worker	Scenario 2	1.92E-02	1.13E-04	--
3902	638023.5	4170061.2	Worker	Scenario 2	1.42E-02	8.16E-05	--
3903	638048.5	4170061.2	Worker	Scenario 2	1.40E-02	8.10E-05	--
3904	638073.5	4170061.2	Worker	Scenario 2	1.41E-02	8.16E-05	--
3905	638098.5	4170061.2	Worker	Scenario 2	1.43E-02	8.27E-05	--
3906	638123.5	4170061.2	Worker	Scenario 2	1.41E-02	8.24E-05	--
3907	638148.5	4170061.2	Worker	Scenario 2	1.40E-02	8.21E-05	--
3908	638173.5	4170061.2	Worker	Scenario 2	1.40E-02	8.25E-05	--
3909	638198.5	4170061.2	Worker	Scenario 2	1.41E-02	8.32E-05	--
3910	638223.5	4170061.2	Worker	Scenario 2	1.42E-02	8.41E-05	--
3911	638248.5	4170061.2	Worker	Scenario 2	1.44E-02	8.51E-05	--
3912	638273.5	4170061.2	Worker	Scenario 2	1.45E-02	8.61E-05	--
3913	638298.5	4170061.2	Worker	Scenario 2	1.47E-02	8.72E-05	--
3914	638323.5	4170061.2	Worker	Scenario 2	1.49E-02	8.83E-05	--
3915	638348.5	4170061.2	Worker	Scenario 2	1.51E-02	8.94E-05	--
3916	638373.5	4170061.2	Worker	Scenario 2	1.52E-02	9.05E-05	--
3917	638398.5	4170061.2	Worker	Scenario 2	1.54E-02	9.17E-05	--
3918	638423.5	4170061.2	Worker	Scenario 2	1.57E-02	9.30E-05	--
3919	638448.5	4170061.2	Worker	Scenario 2	1.59E-02	9.44E-05	--
3920	638473.5	4170061.2	Worker	Scenario 2	1.63E-02	9.63E-05	--
3921	638498.5	4170061.2	Worker	Scenario 2	1.69E-02	9.93E-05	--
3922	638523.5	4170061.2	Worker	Scenario 2	1.72E-02	1.01E-04	--
3923	638548.5	4170061.2	Worker	Scenario 2	1.73E-02	1.02E-04	--
3924	638573.5	4170061.2	Worker	Scenario 2	1.75E-02	1.03E-04	--
3925	638598.5	4170061.2	Worker	Scenario 2	1.77E-02	1.04E-04	--
3926	638623.5	4170061.2	Worker	Scenario 2	1.79E-02	1.06E-04	--
3927	638648.5	4170061.2	Worker	Scenario 2	1.81E-02	1.07E-04	--
3928	638673.5	4170061.2	Worker	Scenario 2	1.84E-02	1.09E-04	--
3929	638698.5	4170061.2	Worker	Scenario 2	1.86E-02	1.10E-04	--
3930	638723.5	4170061.2	Worker	Scenario 2	1.88E-02	1.12E-04	--
3931	638748.5	4170061.2	Worker	Scenario 2	1.92E-02	1.13E-04	--
3932	638048.5	4170086.2	Worker	Scenario 2	1.42E-02	8.15E-05	--
3933	638073.5	4170086.2	Worker	Scenario 2	1.42E-02	8.19E-05	--
3934	638098.5	4170086.2	Worker	Scenario 2	1.43E-02	8.29E-05	--
3935	638123.5	4170086.2	Worker	Scenario 2	1.42E-02	8.27E-05	--
3936	638148.5	4170086.2	Worker	Scenario 2	1.45E-02	8.42E-05	--
3937	638173.5	4170086.2	Worker	Scenario 2	1.47E-02	8.53E-05	--
3938	638198.5	4170086.2	Worker	Scenario 2	1.48E-02	8.62E-05	--
3939	638223.5	4170086.2	Worker	Scenario 2	1.50E-02	8.72E-05	--
3940	638248.5	4170086.2	Worker	Scenario 2	1.52E-02	8.82E-05	--
3941	638273.5	4170086.2	Worker	Scenario 2	1.53E-02	8.92E-05	--
3942	638298.5	4170086.2	Worker	Scenario 2	1.55E-02	9.03E-05	--
3943	638323.5	4170086.2	Worker	Scenario 2	1.57E-02	9.13E-05	--
3944	638348.5	4170086.2	Worker	Scenario 2	1.58E-02	9.23E-05	--
3945	638373.5	4170086.2	Worker	Scenario 2	1.60E-02	9.35E-05	--
3946	638398.5	4170086.2	Worker	Scenario 2	1.62E-02	9.46E-05	--
3947	638423.5	4170086.2	Worker	Scenario 2	1.64E-02	9.58E-05	--
3948	638448.5	4170086.2	Worker	Scenario 2	1.66E-02	9.70E-05	--
3949	638473.5	4170086.2	Worker	Scenario 2	1.66E-02	9.77E-05	--
3950	638498.5	4170086.2	Worker	Scenario 2	1.69E-02	9.93E-05	--
3951	638523.5	4170086.2	Worker	Scenario 2	1.73E-02	1.01E-04	--
3952	638548.5	4170086.2	Worker	Scenario 2	1.75E-02	1.02E-04	--
3953	638573.5	4170086.2	Worker	Scenario 2	1.77E-02	1.04E-04	--
3954	638598.5	4170086.2	Worker	Scenario 2	1.79E-02	1.05E-04	--
3955	638623.5	4170086.2	Worker	Scenario 2	1.81E-02	1.06E-04	--
3956	638648.5	4170086.2	Worker	Scenario 2	1.83E-02	1.08E-04	--
3957	638673.5	4170086.2	Worker	Scenario 2	1.85E-02	1.09E-04	--
3958	638698.5	4170086.2	Worker	Scenario 2	1.88E-02	1.11E-04	--
3959	638723.5	4170086.2	Worker	Scenario 2	1.90E-02	1.12E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3960	638323.5	4170111.2	Worker	Scenario 2	1.58E-02	9.19E-05	--
3961	638348.5	4170111.2	Worker	Scenario 2	1.60E-02	9.30E-05	--
3962	638373.5	4170111.2	Worker	Scenario 2	1.62E-02	9.41E-05	--
3963	638398.5	4170111.2	Worker	Scenario 2	1.64E-02	9.52E-05	--
3964	638423.5	4170111.2	Worker	Scenario 2	1.66E-02	9.67E-05	--
3965	638448.5	4170111.2	Worker	Scenario 2	1.68E-02	9.79E-05	--
3966	638473.5	4170111.2	Worker	Scenario 2	1.69E-02	9.90E-05	--
3967	638498.5	4170111.2	Worker	Scenario 2	1.71E-02	1.00E-04	--
3968	638523.5	4170111.2	Worker	Scenario 2	1.74E-02	1.02E-04	--
3969	638548.5	4170111.2	Worker	Scenario 2	1.76E-02	1.03E-04	--
3970	638573.5	4170111.2	Worker	Scenario 2	1.78E-02	1.04E-04	--
3971	638598.5	4170111.2	Worker	Scenario 2	1.80E-02	1.06E-04	--
3972	638623.5	4170111.2	Worker	Scenario 2	1.82E-02	1.07E-04	--
3973	638648.5	4170111.2	Worker	Scenario 2	1.84E-02	1.08E-04	--
3974	638673.5	4170111.2	Worker	Scenario 2	1.87E-02	1.10E-04	--
3975	638698.5	4170111.2	Worker	Scenario 2	1.89E-02	1.11E-04	--
3976	642711.0	4166673.7	Worker	Scenario 2	1.01E-01	7.70E-04	--
3977	642761.0	4166673.7	Worker	Scenario 2	1.05E-01	7.74E-04	--
3978	642811.0	4166673.7	Worker	Scenario 2	1.07E-01	7.71E-04	--
3979	642861.0	4166673.7	Worker	Scenario 2	1.12E-01	7.79E-04	--
3980	642911.0	4166673.7	Worker	Scenario 2	1.14E-01	7.74E-04	--
3981	642961.0	4166673.7	Worker	Scenario 2	1.15E-01	7.67E-04	--
3982	643011.0	4166673.7	Worker	Scenario 2	1.22E-01	7.76E-04	--
3983	643061.0	4166673.7	Worker	Scenario 2	1.27E-01	7.77E-04	--
3984	643111.0	4166673.7	Worker	Scenario 2	1.33E-01	7.81E-04	--
3985	643161.0	4166673.7	Worker	Scenario 2	1.41E-01	7.89E-04	--
3986	643211.0	4166673.7	Worker	Scenario 2	1.50E-01	7.97E-04	--
3987	643261.0	4166673.7	Worker	Scenario 2	1.58E-01	8.06E-04	--
3988	643311.0	4166673.7	Worker	Scenario 2	1.67E-01	8.16E-04	--
3989	643361.0	4166673.7	Worker	Scenario 2	1.76E-01	8.25E-04	--
3990	643411.0	4166673.7	Worker	Scenario 2	1.85E-01	8.33E-04	--
3991	643461.0	4166673.7	Worker	Scenario 2	1.94E-01	8.40E-04	--
3992	643511.0	4166673.7	Worker	Scenario 2	2.01E-01	8.46E-04	--
3993	643561.0	4166673.7	Worker	Scenario 2	2.08E-01	8.49E-04	--
3994	643611.0	4166673.7	Worker	Scenario 2	2.12E-01	8.48E-04	--
3995	643661.0	4166673.7	Worker	Scenario 2	2.15E-01	8.42E-04	--
3996	643711.0	4166673.7	Worker	Scenario 2	2.16E-01	8.32E-04	--
3997	643761.0	4166673.7	Worker	Scenario 2	2.14E-01	8.18E-04	--
3998	643811.0	4166673.7	Worker	Scenario 2	2.12E-01	8.00E-04	--
3999	643861.0	4166673.7	Worker	Scenario 2	2.08E-01	7.81E-04	--
4000	643911.0	4166673.7	Worker	Scenario 2	2.04E-01	7.60E-04	--
4001	643961.0	4166673.7	Worker	Scenario 2	2.00E-01	7.40E-04	--
4002	644011.0	4166673.7	Worker	Scenario 2	1.96E-01	7.22E-04	--
4003	644061.0	4166673.7	Worker	Scenario 2	1.92E-01	7.04E-04	--
4004	644111.0	4166673.7	Worker	Scenario 2	1.89E-01	6.88E-04	--
4005	641461.0	4166723.7	Worker	Scenario 2	2.41E-01	2.72E-03	--
4006	641511.0	4166723.7	Worker	Scenario 2	1.74E-01	1.86E-03	--
4007	641561.0	4166723.7	Worker	Scenario 2	1.39E-01	1.43E-03	--
4008	641611.0	4166723.7	Worker	Scenario 2	1.18E-01	1.19E-03	--
4009	641661.0	4166723.7	Worker	Scenario 2	1.04E-01	1.03E-03	--
4010	641711.0	4166723.7	Worker	Scenario 2	9.48E-02	9.30E-04	--
4011	641761.0	4166723.7	Worker	Scenario 2	8.84E-02	8.58E-04	--
4012	641811.0	4166723.7	Worker	Scenario 2	8.37E-02	8.07E-04	--
4013	641861.0	4166723.7	Worker	Scenario 2	8.04E-02	7.71E-04	--
4014	641911.0	4166723.7	Worker	Scenario 2	7.81E-02	7.46E-04	--
4015	641961.0	4166723.7	Worker	Scenario 2	7.66E-02	7.30E-04	--
4016	642011.0	4166723.7	Worker	Scenario 2	7.59E-02	7.22E-04	--
4017	642061.0	4166723.7	Worker	Scenario 2	7.54E-02	7.15E-04	--
4018	642111.0	4166723.7	Worker	Scenario 2	7.56E-02	7.14E-04	--
4019	642161.0	4166723.7	Worker	Scenario 2	7.63E-02	7.16E-04	--
4020	642211.0	4166723.7	Worker	Scenario 2	7.76E-02	7.22E-04	--
4021	642261.0	4166723.7	Worker	Scenario 2	7.93E-02	7.30E-04	--
4022	642311.0	4166723.7	Worker	Scenario 2	8.18E-02	7.41E-04	--
4023	642361.0	4166723.7	Worker	Scenario 2	8.47E-02	7.52E-04	--
4024	642411.0	4166723.7	Worker	Scenario 2	8.81E-02	7.67E-04	--
4025	642661.0	4166723.7	Worker	Scenario 2	1.08E-01	8.33E-04	--
4026	642711.0	4166723.7	Worker	Scenario 2	1.12E-01	8.38E-04	--
4027	642761.0	4166723.7	Worker	Scenario 2	1.15E-01	8.39E-04	--
4028	642811.0	4166723.7	Worker	Scenario 2	1.19E-01	8.38E-04	--
4029	642861.0	4166723.7	Worker	Scenario 2	1.21E-01	8.33E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4030	642911.0	4166723.7	Worker	Scenario 2	1.27E-01	8.40E-04	--
4031	642961.0	4166723.7	Worker	Scenario 2	1.28E-01	8.31E-04	--
4032	643011.0	4166723.7	Worker	Scenario 2	1.36E-01	8.38E-04	--
4033	643061.0	4166723.7	Worker	Scenario 2	1.42E-01	8.40E-04	--
4034	643111.0	4166723.7	Worker	Scenario 2	1.49E-01	8.45E-04	--
4035	643161.0	4166723.7	Worker	Scenario 2	1.58E-01	8.54E-04	--
4036	643211.0	4166723.7	Worker	Scenario 2	1.69E-01	8.65E-04	--
4037	643261.0	4166723.7	Worker	Scenario 2	1.79E-01	8.77E-04	--
4038	643311.0	4166723.7	Worker	Scenario 2	1.90E-01	8.89E-04	--
4039	643361.0	4166723.7	Worker	Scenario 2	2.01E-01	9.00E-04	--
4040	643411.0	4166723.7	Worker	Scenario 2	2.11E-01	9.11E-04	--
4041	643461.0	4166723.7	Worker	Scenario 2	2.21E-01	9.20E-04	--
4042	643511.0	4166723.7	Worker	Scenario 2	2.29E-01	9.26E-04	--
4043	643561.0	4166723.7	Worker	Scenario 2	2.35E-01	9.27E-04	--
4044	643611.0	4166723.7	Worker	Scenario 2	2.39E-01	9.23E-04	--
4045	643661.0	4166723.7	Worker	Scenario 2	2.40E-01	9.14E-04	--
4046	643711.0	4166723.7	Worker	Scenario 2	2.39E-01	8.99E-04	--
4047	643761.0	4166723.7	Worker	Scenario 2	2.36E-01	8.79E-04	--
4048	643811.0	4166723.7	Worker	Scenario 2	2.32E-01	8.57E-04	--
4049	643861.0	4166723.7	Worker	Scenario 2	2.27E-01	8.34E-04	--
4050	643911.0	4166723.7	Worker	Scenario 2	2.22E-01	8.11E-04	--
4051	643961.0	4166723.7	Worker	Scenario 2	2.17E-01	7.89E-04	--
4052	644011.0	4166723.7	Worker	Scenario 2	2.13E-01	7.69E-04	--
4053	644061.0	4166723.7	Worker	Scenario 2	2.10E-01	7.51E-04	--
4054	644111.0	4166723.7	Worker	Scenario 2	2.06E-01	7.34E-04	--
4055	644161.0	4166723.7	Worker	Scenario 2	2.04E-01	7.20E-04	--
4056	644211.0	4166723.7	Worker	Scenario 2	2.01E-01	7.06E-04	--
4057	644261.0	4166723.7	Worker	Scenario 2	1.99E-01	6.94E-04	--
4058	644311.0	4166723.7	Worker	Scenario 2	1.97E-01	6.81E-04	--
4059	644361.0	4166723.7	Worker	Scenario 2	1.95E-01	6.70E-04	--
4060	644411.0	4166723.7	Worker	Scenario 2	1.92E-01	6.59E-04	--
4061	641461.0	4166773.7	Worker	Scenario 2	2.45E-01	2.76E-03	--
4062	641511.0	4166773.7	Worker	Scenario 2	1.78E-01	1.90E-03	--
4063	641561.0	4166773.7	Worker	Scenario 2	1.43E-01	1.48E-03	--
4064	641611.0	4166773.7	Worker	Scenario 2	1.22E-01	1.23E-03	--
4065	641661.0	4166773.7	Worker	Scenario 2	1.08E-01	1.07E-03	--
4066	641711.0	4166773.7	Worker	Scenario 2	9.91E-02	9.71E-04	--
4067	641761.0	4166773.7	Worker	Scenario 2	9.26E-02	8.99E-04	--
4068	641811.0	4166773.7	Worker	Scenario 2	8.80E-02	8.50E-04	--
4069	641861.0	4166773.7	Worker	Scenario 2	8.47E-02	8.15E-04	--
4070	641911.0	4166773.7	Worker	Scenario 2	8.25E-02	7.92E-04	--
4071	641961.0	4166773.7	Worker	Scenario 2	8.11E-02	7.77E-04	--
4072	642011.0	4166773.7	Worker	Scenario 2	8.06E-02	7.71E-04	--
4073	642061.0	4166773.7	Worker	Scenario 2	8.02E-02	7.66E-04	--
4074	642111.0	4166773.7	Worker	Scenario 2	8.07E-02	7.67E-04	--
4075	642161.0	4166773.7	Worker	Scenario 2	8.17E-02	7.72E-04	--
4076	642211.0	4166773.7	Worker	Scenario 2	8.33E-02	7.79E-04	--
4077	642261.0	4166773.7	Worker	Scenario 2	8.56E-02	7.91E-04	--
4078	642311.0	4166773.7	Worker	Scenario 2	8.84E-02	8.04E-04	--
4079	642361.0	4166773.7	Worker	Scenario 2	9.19E-02	8.20E-04	--
4080	642611.0	4166773.7	Worker	Scenario 2	1.15E-01	9.11E-04	--
4081	642661.0	4166773.7	Worker	Scenario 2	1.19E-01	9.14E-04	--
4082	642711.0	4166773.7	Worker	Scenario 2	1.24E-01	9.15E-04	--
4083	642761.0	4166773.7	Worker	Scenario 2	1.28E-01	9.14E-04	--
4084	642811.0	4166773.7	Worker	Scenario 2	1.32E-01	9.12E-04	--
4085	642861.0	4166773.7	Worker	Scenario 2	1.36E-01	9.09E-04	--
4086	642911.0	4166773.7	Worker	Scenario 2	1.39E-01	9.03E-04	--
4087	642961.0	4166773.7	Worker	Scenario 2	1.47E-01	9.10E-04	--
4088	643011.0	4166773.7	Worker	Scenario 2	1.53E-01	9.10E-04	--
4089	643061.0	4166773.7	Worker	Scenario 2	1.60E-01	9.12E-04	--
4090	643111.0	4166773.7	Worker	Scenario 2	1.69E-01	9.19E-04	--
4091	643161.0	4166773.7	Worker	Scenario 2	1.80E-01	9.31E-04	--
4092	643211.0	4166773.7	Worker	Scenario 2	1.93E-01	9.45E-04	--
4093	643261.0	4166773.7	Worker	Scenario 2	2.05E-01	9.60E-04	--
4094	643311.0	4166773.7	Worker	Scenario 2	2.18E-01	9.76E-04	--
4095	643361.0	4166773.7	Worker	Scenario 2	2.32E-01	9.91E-04	--
4096	643411.0	4166773.7	Worker	Scenario 2	2.44E-01	1.01E-03	--
4097	643461.0	4166773.7	Worker	Scenario 2	2.55E-01	1.02E-03	--
4098	643511.0	4166773.7	Worker	Scenario 2	2.63E-01	1.02E-03	--
4099	643561.0	4166773.7	Worker	Scenario 2	2.68E-01	1.02E-03	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4100	643611.0	4166773.7	Worker	Scenario 2	2.70E-01	1.01E-03	--
4101	643661.0	4166773.7	Worker	Scenario 2	2.70E-01	9.94E-04	--
4102	643711.0	4166773.7	Worker	Scenario 2	2.66E-01	9.73E-04	--
4103	643761.0	4166773.7	Worker	Scenario 2	2.61E-01	9.48E-04	--
4104	643811.0	4166773.7	Worker	Scenario 2	2.55E-01	9.21E-04	--
4105	643861.0	4166773.7	Worker	Scenario 2	2.49E-01	8.94E-04	--
4106	643911.0	4166773.7	Worker	Scenario 2	2.43E-01	8.68E-04	--
4107	643961.0	4166773.7	Worker	Scenario 2	2.38E-01	8.45E-04	--
4108	644011.0	4166773.7	Worker	Scenario 2	2.34E-01	8.25E-04	--
4109	644061.0	4166773.7	Worker	Scenario 2	2.31E-01	8.07E-04	--
4110	644111.0	4166773.7	Worker	Scenario 2	2.28E-01	7.91E-04	--
4111	644161.0	4166773.7	Worker	Scenario 2	2.25E-01	7.76E-04	--
4112	644211.0	4166773.7	Worker	Scenario 2	2.23E-01	7.62E-04	--
4113	644261.0	4166773.7	Worker	Scenario 2	2.21E-01	7.49E-04	--
4114	644311.0	4166773.7	Worker	Scenario 2	2.18E-01	7.36E-04	--
4115	644361.0	4166773.7	Worker	Scenario 2	2.15E-01	7.23E-04	--
4116	644411.0	4166773.7	Worker	Scenario 2	2.12E-01	7.09E-04	--
4117	644461.0	4166773.7	Worker	Scenario 2	2.08E-01	6.94E-04	--
4118	644511.0	4166773.7	Worker	Scenario 2	2.02E-01	6.72E-04	--
4119	641511.0	4166823.7	Worker	Scenario 2	1.83E-01	1.95E-03	--
4120	641561.0	4166823.7	Worker	Scenario 2	1.48E-01	1.52E-03	--
4121	641611.0	4166823.7	Worker	Scenario 2	1.26E-01	1.27E-03	--
4122	641661.0	4166823.7	Worker	Scenario 2	1.12E-01	1.12E-03	--
4123	641711.0	4166823.7	Worker	Scenario 2	1.03E-01	1.01E-03	--
4124	641761.0	4166823.7	Worker	Scenario 2	9.64E-02	9.41E-04	--
4125	641811.0	4166823.7	Worker	Scenario 2	9.19E-02	8.94E-04	--
4126	641861.0	4166823.7	Worker	Scenario 2	8.89E-02	8.61E-04	--
4127	641911.0	4166823.7	Worker	Scenario 2	8.68E-02	8.41E-04	--
4128	641961.0	4166823.7	Worker	Scenario 2	8.57E-02	8.29E-04	--
4129	642011.0	4166823.7	Worker	Scenario 2	8.53E-02	8.25E-04	--
4130	642061.0	4166823.7	Worker	Scenario 2	8.56E-02	8.25E-04	--
4131	642111.0	4166823.7	Worker	Scenario 2	8.61E-02	8.27E-04	--
4132	642161.0	4166823.7	Worker	Scenario 2	8.76E-02	8.35E-04	--
4133	642211.0	4166823.7	Worker	Scenario 2	8.97E-02	8.45E-04	--
4134	642261.0	4166823.7	Worker	Scenario 2	9.28E-02	8.62E-04	--
4135	642311.0	4166823.7	Worker	Scenario 2	9.65E-02	8.81E-04	--
4136	644111.0	4166823.7	Worker	Scenario 2	2.55E-01	8.59E-04	--
4137	644161.0	4166823.7	Worker	Scenario 2	2.52E-01	8.43E-04	--
4138	644211.0	4166823.7	Worker	Scenario 2	2.49E-01	8.28E-04	--
4139	644261.0	4166823.7	Worker	Scenario 2	2.47E-01	8.15E-04	--
4140	644311.0	4166823.7	Worker	Scenario 2	2.43E-01	8.00E-04	--
4141	644411.0	4166823.7	Worker	Scenario 2	2.34E-01	7.65E-04	--
4142	644461.0	4166823.7	Worker	Scenario 2	2.32E-01	7.53E-04	--
4143	644511.0	4166823.7	Worker	Scenario 2	2.27E-01	7.35E-04	--
4144	644711.0	4166973.7	Worker	Scenario 2	2.71E-01	8.24E-04	--
4145	644761.0	4166973.7	Worker	Scenario 2	2.62E-01	7.98E-04	--
4146	641161.0	4167023.7	Worker	Scenario 2	7.07E-02	8.12E-04	--
4147	641211.0	4167023.7	Worker	Scenario 2	8.65E-02	1.02E-03	--
4148	641261.0	4167023.7	Worker	Scenario 2	1.14E-01	1.41E-03	--
4149	644711.0	4167023.7	Worker	Scenario 2	2.91E-01	8.71E-04	--
4150	644761.0	4167023.7	Worker	Scenario 2	2.80E-01	8.41E-04	--
4151	644811.0	4167023.7	Worker	Scenario 2	2.70E-01	8.13E-04	--
4152	641161.0	4167073.7	Worker	Scenario 2	7.32E-02	8.45E-04	--
4153	641211.0	4167073.7	Worker	Scenario 2	8.94E-02	1.06E-03	--
4154	641261.0	4167073.7	Worker	Scenario 2	1.18E-01	1.45E-03	--
4155	644711.0	4167073.7	Worker	Scenario 2	3.08E-01	9.13E-04	--
4156	644761.0	4167073.7	Worker	Scenario 2	2.96E-01	8.78E-04	--
4157	644811.0	4167073.7	Worker	Scenario 2	2.84E-01	8.45E-04	--
4158	641161.0	4167123.7	Worker	Scenario 2	7.57E-02	8.77E-04	--
4159	641211.0	4167123.7	Worker	Scenario 2	9.22E-02	1.10E-03	--
4160	641261.0	4167123.7	Worker	Scenario 2	1.21E-01	1.50E-03	--
4161	644711.0	4167123.7	Worker	Scenario 2	3.23E-01	9.48E-04	--
4162	644761.0	4167123.7	Worker	Scenario 2	3.08E-01	9.07E-04	--
4163	644811.0	4167123.7	Worker	Scenario 2	2.94E-01	8.68E-04	--
4164	641161.0	4167173.7	Worker	Scenario 2	7.81E-02	9.11E-04	--
4165	641211.0	4167173.7	Worker	Scenario 2	9.51E-02	1.14E-03	--
4166	641261.0	4167173.7	Worker	Scenario 2	1.25E-01	1.55E-03	--
4167	644711.0	4167173.7	Worker	Scenario 2	3.33E-01	9.72E-04	--
4168	644761.0	4167173.7	Worker	Scenario 2	3.18E-01	9.32E-04	--
4169	644811.0	4167173.7	Worker	Scenario 2	3.05E-01	8.95E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4170	641161.0	4167223.7	Worker	Scenario 2	8.06E-02	9.47E-04	--
4171	641211.0	4167223.7	Worker	Scenario 2	9.81E-02	1.19E-03	--
4172	641261.0	4167223.7	Worker	Scenario 2	1.29E-01	1.61E-03	--
4173	644711.0	4167223.7	Worker	Scenario 2	3.44E-01	9.98E-04	--
4174	644761.0	4167223.7	Worker	Scenario 2	3.29E-01	9.56E-04	--
4175	644811.0	4167223.7	Worker	Scenario 2	3.15E-01	9.17E-04	--
4176	641161.0	4167273.7	Worker	Scenario 2	8.30E-02	9.86E-04	--
4177	641211.0	4167273.7	Worker	Scenario 2	1.01E-01	1.23E-03	--
4178	641261.0	4167273.7	Worker	Scenario 2	1.33E-01	1.68E-03	--
4179	641161.0	4167323.7	Worker	Scenario 2	8.52E-02	1.03E-03	--
4180	641211.0	4167323.7	Worker	Scenario 2	1.04E-01	1.28E-03	--
4181	641261.0	4167323.7	Worker	Scenario 2	1.36E-01	1.74E-03	--
4182	641161.0	4167373.7	Worker	Scenario 2	8.74E-02	1.07E-03	--
4183	641211.0	4167373.7	Worker	Scenario 2	1.06E-01	1.34E-03	--
4184	641261.0	4167373.7	Worker	Scenario 2	1.40E-01	1.82E-03	--
4185	644511.0	4167373.7	Worker	Scenario 2	4.42E-01	1.25E-03	--
4186	644561.0	4167373.7	Worker	Scenario 2	4.19E-01	1.19E-03	--
4187	644611.0	4167373.7	Worker	Scenario 2	3.99E-01	1.14E-03	--
4188	644661.0	4167373.7	Worker	Scenario 2	3.80E-01	1.08E-03	--
4189	644711.0	4167373.7	Worker	Scenario 2	3.62E-01	1.04E-03	--
4190	644761.0	4167373.7	Worker	Scenario 2	3.46E-01	9.94E-04	--
4191	644811.0	4167373.7	Worker	Scenario 2	3.31E-01	9.53E-04	--
4192	640961.0	4167423.7	Worker	Scenario 2	5.52E-02	6.22E-04	--
4193	641011.0	4167423.7	Worker	Scenario 2	6.07E-02	7.00E-04	--
4194	641061.0	4167423.7	Worker	Scenario 2	6.76E-02	8.00E-04	--
4195	641111.0	4167423.7	Worker	Scenario 2	7.68E-02	9.32E-04	--
4196	641161.0	4167423.7	Worker	Scenario 2	8.96E-02	1.12E-03	--
4197	641211.0	4167423.7	Worker	Scenario 2	1.09E-01	1.40E-03	--
4198	641261.0	4167423.7	Worker	Scenario 2	1.43E-01	1.90E-03	--
4199	644361.0	4167423.7	Worker	Scenario 2	5.22E-01	1.46E-03	--
4200	644411.0	4167423.7	Worker	Scenario 2	4.93E-01	1.39E-03	--
4201	644461.0	4167423.7	Worker	Scenario 2	4.67E-01	1.32E-03	--
4202	644511.0	4167423.7	Worker	Scenario 2	4.42E-01	1.25E-03	--
4203	644561.0	4167423.7	Worker	Scenario 2	4.20E-01	1.19E-03	--
4204	644611.0	4167423.7	Worker	Scenario 2	3.99E-01	1.14E-03	--
4205	644661.0	4167423.7	Worker	Scenario 2	3.81E-01	1.09E-03	--
4206	644711.0	4167423.7	Worker	Scenario 2	3.63E-01	1.04E-03	--
4207	644761.0	4167423.7	Worker	Scenario 2	3.47E-01	9.94E-04	--
4208	640761.0	4167473.7	Worker	Scenario 2	4.17E-02	4.32E-04	--
4209	640811.0	4167473.7	Worker	Scenario 2	4.45E-02	4.71E-04	--
4210	640861.0	4167473.7	Worker	Scenario 2	4.77E-02	5.17E-04	--
4211	640911.0	4167473.7	Worker	Scenario 2	5.16E-02	5.73E-04	--
4212	640961.0	4167473.7	Worker	Scenario 2	5.63E-02	6.40E-04	--
4213	641011.0	4167473.7	Worker	Scenario 2	6.20E-02	7.23E-04	--
4214	641061.0	4167473.7	Worker	Scenario 2	6.91E-02	8.30E-04	--
4215	641111.0	4167473.7	Worker	Scenario 2	7.86E-02	9.71E-04	--
4216	643361.0	4167473.7	Worker	Scenario 2	4.61E+00	1.18E-02	--
4217	643411.0	4167473.7	Worker	Scenario 2	3.64E+00	9.35E-03	--
4218	643461.0	4167473.7	Worker	Scenario 2	2.96E+00	7.66E-03	--
4219	643511.0	4167473.7	Worker	Scenario 2	2.47E+00	6.43E-03	--
4220	643561.0	4167473.7	Worker	Scenario 2	2.10E+00	5.51E-03	--
4221	643611.0	4167473.7	Worker	Scenario 2	1.82E+00	4.80E-03	--
4222	643661.0	4167473.7	Worker	Scenario 2	1.60E+00	4.24E-03	--
4223	643711.0	4167473.7	Worker	Scenario 2	1.42E+00	3.79E-03	--
4224	643761.0	4167473.7	Worker	Scenario 2	1.27E+00	3.41E-03	--
4225	643811.0	4167473.7	Worker	Scenario 2	1.16E+00	3.11E-03	--
4226	643861.0	4167473.7	Worker	Scenario 2	1.05E+00	2.85E-03	--
4227	643911.0	4167473.7	Worker	Scenario 2	9.66E-01	2.62E-03	--
4228	643961.0	4167473.7	Worker	Scenario 2	8.90E-01	2.42E-03	--
4229	644211.0	4167473.7	Worker	Scenario 2	6.21E-01	1.72E-03	--
4230	644261.0	4167473.7	Worker	Scenario 2	5.83E-01	1.62E-03	--
4231	644311.0	4167473.7	Worker	Scenario 2	5.49E-01	1.53E-03	--
4232	644361.0	4167473.7	Worker	Scenario 2	5.18E-01	1.45E-03	--
4233	644411.0	4167473.7	Worker	Scenario 2	4.90E-01	1.38E-03	--
4234	644461.0	4167473.7	Worker	Scenario 2	4.63E-01	1.31E-03	--
4235	644511.0	4167473.7	Worker	Scenario 2	4.40E-01	1.24E-03	--
4236	644561.0	4167473.7	Worker	Scenario 2	4.18E-01	1.18E-03	--
4237	644611.0	4167473.7	Worker	Scenario 2	3.97E-01	1.13E-03	--
4238	644661.0	4167473.7	Worker	Scenario 2	3.78E-01	1.08E-03	--
4239	640561.0	4167523.7	Worker	Scenario 2	3.44E-02	3.32E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4240	640611.0	4167523.7	Worker	Scenario 2	3.58E-02	3.52E-04	--
4241	640661.0	4167523.7	Worker	Scenario 2	3.77E-02	3.77E-04	--
4242	640711.0	4167523.7	Worker	Scenario 2	3.99E-02	4.07E-04	--
4243	640761.0	4167523.7	Worker	Scenario 2	4.24E-02	4.42E-04	--
4244	640811.0	4167523.7	Worker	Scenario 2	4.53E-02	4.82E-04	--
4245	640861.0	4167523.7	Worker	Scenario 2	4.86E-02	5.29E-04	--
4246	640911.0	4167523.7	Worker	Scenario 2	5.26E-02	5.87E-04	--
4247	640961.0	4167523.7	Worker	Scenario 2	5.74E-02	6.57E-04	--
4248	643361.0	4167523.7	Worker	Scenario 2	4.38E+00	1.11E-02	--
4249	643411.0	4167523.7	Worker	Scenario 2	3.47E+00	8.90E-03	--
4250	643461.0	4167523.7	Worker	Scenario 2	2.84E+00	7.34E-03	--
4251	643511.0	4167523.7	Worker	Scenario 2	2.37E+00	6.18E-03	--
4252	643561.0	4167523.7	Worker	Scenario 2	2.03E+00	5.31E-03	--
4253	643611.0	4167523.7	Worker	Scenario 2	1.76E+00	4.64E-03	--
4254	643661.0	4167523.7	Worker	Scenario 2	1.55E+00	4.11E-03	--
4255	643711.0	4167523.7	Worker	Scenario 2	1.38E+00	3.68E-03	--
4256	643761.0	4167523.7	Worker	Scenario 2	1.24E+00	3.32E-03	--
4257	643811.0	4167523.7	Worker	Scenario 2	1.12E+00	3.03E-03	--
4258	643861.0	4167523.7	Worker	Scenario 2	1.03E+00	2.77E-03	--
4259	643911.0	4167523.7	Worker	Scenario 2	9.41E-01	2.56E-03	--
4260	643961.0	4167523.7	Worker	Scenario 2	8.68E-01	2.37E-03	--
4261	644011.0	4167523.7	Worker	Scenario 2	8.03E-01	2.20E-03	--
4262	644061.0	4167523.7	Worker	Scenario 2	7.45E-01	2.05E-03	--
4263	644111.0	4167523.7	Worker	Scenario 2	6.94E-01	1.91E-03	--
4264	644161.0	4167523.7	Worker	Scenario 2	6.48E-01	1.79E-03	--
4265	644211.0	4167523.7	Worker	Scenario 2	6.07E-01	1.69E-03	--
4266	644261.0	4167523.7	Worker	Scenario 2	5.71E-01	1.59E-03	--
4267	644311.0	4167523.7	Worker	Scenario 2	5.38E-01	1.50E-03	--
4268	644361.0	4167523.7	Worker	Scenario 2	5.08E-01	1.42E-03	--
4269	644411.0	4167523.7	Worker	Scenario 2	4.80E-01	1.35E-03	--
4270	644461.0	4167523.7	Worker	Scenario 2	4.55E-01	1.28E-03	--
4271	644511.0	4167523.7	Worker	Scenario 2	4.32E-01	1.22E-03	--
4272	640361.0	4167573.7	Worker	Scenario 2	2.88E-02	2.64E-04	--
4273	640411.0	4167573.7	Worker	Scenario 2	2.99E-02	2.79E-04	--
4274	640461.0	4167573.7	Worker	Scenario 2	3.14E-02	2.96E-04	--
4275	640511.0	4167573.7	Worker	Scenario 2	3.32E-02	3.17E-04	--
4276	640561.0	4167573.7	Worker	Scenario 2	3.47E-02	3.37E-04	--
4277	640611.0	4167573.7	Worker	Scenario 2	3.63E-02	3.60E-04	--
4278	640661.0	4167573.7	Worker	Scenario 2	3.83E-02	3.86E-04	--
4279	640711.0	4167573.7	Worker	Scenario 2	4.06E-02	4.16E-04	--
4280	640761.0	4167573.7	Worker	Scenario 2	4.32E-02	4.52E-04	--
4281	640811.0	4167573.7	Worker	Scenario 2	4.62E-02	4.94E-04	--
4282	643311.0	4167573.7	Worker	Scenario 2	3.73E+00	9.65E-03	--
4283	643361.0	4167573.7	Worker	Scenario 2	3.17E+00	8.22E-03	--
4284	643411.0	4167573.7	Worker	Scenario 2	2.70E+00	7.05E-03	--
4285	643461.0	4167573.7	Worker	Scenario 2	2.33E+00	6.10E-03	--
4286	643511.0	4167573.7	Worker	Scenario 2	2.02E+00	5.32E-03	--
4287	643561.0	4167573.7	Worker	Scenario 2	1.77E+00	4.68E-03	--
4288	643611.0	4167573.7	Worker	Scenario 2	1.57E+00	4.17E-03	--
4289	643661.0	4167573.7	Worker	Scenario 2	1.40E+00	3.75E-03	--
4290	643711.0	4167573.7	Worker	Scenario 2	1.26E+00	3.39E-03	--
4291	643761.0	4167573.7	Worker	Scenario 2	1.15E+00	3.09E-03	--
4292	643811.0	4167573.7	Worker	Scenario 2	1.05E+00	2.84E-03	--
4293	643861.0	4167573.7	Worker	Scenario 2	9.61E-01	2.61E-03	--
4294	643911.0	4167573.7	Worker	Scenario 2	8.87E-01	2.42E-03	--
4295	643961.0	4167573.7	Worker	Scenario 2	8.21E-01	2.25E-03	--
4296	644011.0	4167573.7	Worker	Scenario 2	7.64E-01	2.10E-03	--
4297	644061.0	4167573.7	Worker	Scenario 2	7.11E-01	1.96E-03	--
4298	644111.0	4167573.7	Worker	Scenario 2	6.64E-01	1.84E-03	--
4299	644161.0	4167573.7	Worker	Scenario 2	6.22E-01	1.73E-03	--
4300	644211.0	4167573.7	Worker	Scenario 2	5.84E-01	1.63E-03	--
4301	644261.0	4167573.7	Worker	Scenario 2	5.51E-01	1.54E-03	--
4302	644311.0	4167573.7	Worker	Scenario 2	5.20E-01	1.46E-03	--
4303	644361.0	4167573.7	Worker	Scenario 2	4.92E-01	1.38E-03	--
4304	640261.0	4167623.7	Worker	Scenario 2	2.66E-02	2.39E-04	--
4305	640311.0	4167623.7	Worker	Scenario 2	2.79E-02	2.53E-04	--
4306	640361.0	4167623.7	Worker	Scenario 2	2.94E-02	2.70E-04	--
4307	640411.0	4167623.7	Worker	Scenario 2	3.05E-02	2.85E-04	--
4308	640461.0	4167623.7	Worker	Scenario 2	3.19E-02	3.03E-04	--
4309	640511.0	4167623.7	Worker	Scenario 2	3.35E-02	3.23E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4310	640561.0	4167623.7	Worker	Scenario 2	3.52E-02	3.44E-04	--
4311	640611.0	4167623.7	Worker	Scenario 2	3.69E-02	3.68E-04	--
4312	640661.0	4167623.7	Worker	Scenario 2	3.89E-02	3.94E-04	--
4313	643261.0	4167623.7	Worker	Scenario 2	1.72E+00	4.93E-03	--
4314	643311.0	4167623.7	Worker	Scenario 2	1.88E+00	5.21E-03	--
4315	643361.0	4167623.7	Worker	Scenario 2	1.88E+00	5.13E-03	--
4316	643411.0	4167623.7	Worker	Scenario 2	1.80E+00	4.86E-03	--
4317	644011.0	4167623.7	Worker	Scenario 2	7.08E-01	1.96E-03	--
4318	644061.0	4167623.7	Worker	Scenario 2	6.63E-01	1.84E-03	--
4319	644111.0	4167623.7	Worker	Scenario 2	6.23E-01	1.74E-03	--
4320	644161.0	4167623.7	Worker	Scenario 2	5.86E-01	1.64E-03	--
4321	644211.0	4167623.7	Worker	Scenario 2	5.53E-01	1.55E-03	--
4322	640211.0	4167673.7	Worker	Scenario 2	2.59E-02	2.30E-04	--
4323	640261.0	4167673.7	Worker	Scenario 2	2.70E-02	2.43E-04	--
4324	640311.0	4167673.7	Worker	Scenario 2	2.80E-02	2.56E-04	--
4325	640361.0	4167673.7	Worker	Scenario 2	2.96E-02	2.73E-04	--
4326	640411.0	4167673.7	Worker	Scenario 2	3.10E-02	2.90E-04	--
4327	640461.0	4167673.7	Worker	Scenario 2	3.23E-02	3.08E-04	--
4328	640511.0	4167673.7	Worker	Scenario 2	3.39E-02	3.28E-04	--
4329	643211.0	4167673.7	Worker	Scenario 2	7.53E-01	2.67E-03	--
4330	643261.0	4167673.7	Worker	Scenario 2	8.33E-01	2.75E-03	--
4331	643311.0	4167673.7	Worker	Scenario 2	9.59E-01	2.96E-03	--
4332	643361.0	4167673.7	Worker	Scenario 2	1.06E+00	3.13E-03	--
4333	640111.0	4167723.7	Worker	Scenario 2	2.43E-02	2.11E-04	--
4334	640161.0	4167723.7	Worker	Scenario 2	2.53E-02	2.21E-04	--
4335	640211.0	4167723.7	Worker	Scenario 2	2.64E-02	2.34E-04	--
4336	640261.0	4167723.7	Worker	Scenario 2	2.76E-02	2.47E-04	--
4337	640311.0	4167723.7	Worker	Scenario 2	2.88E-02	2.62E-04	--
4338	640361.0	4167723.7	Worker	Scenario 2	2.98E-02	2.76E-04	--
4339	643161.0	4167723.7	Worker	Scenario 2	6.66E-01	2.50E-03	--
4340	643211.0	4167723.7	Worker	Scenario 2	5.82E-01	2.18E-03	--
4341	643261.0	4167723.7	Worker	Scenario 2	5.63E-01	2.04E-03	--
4342	643311.0	4167723.7	Worker	Scenario 2	5.94E-01	2.05E-03	--
4343	640011.0	4167773.7	Worker	Scenario 2	2.28E-02	1.93E-04	--
4344	640061.0	4167773.7	Worker	Scenario 2	2.37E-02	2.03E-04	--
4345	640111.0	4167773.7	Worker	Scenario 2	2.47E-02	2.14E-04	--
4346	640161.0	4167773.7	Worker	Scenario 2	2.57E-02	2.25E-04	--
4347	640211.0	4167773.7	Worker	Scenario 2	2.69E-02	2.37E-04	--
4348	640261.0	4167773.7	Worker	Scenario 2	2.81E-02	2.51E-04	--
4349	643161.0	4167773.7	Worker	Scenario 2	5.74E-01	2.18E-03	--
4350	643211.0	4167773.7	Worker	Scenario 2	4.98E-01	1.91E-03	--
4351	643261.0	4167773.7	Worker	Scenario 2	4.60E-01	1.74E-03	--
4352	639961.0	4167823.7	Worker	Scenario 2	2.23E-02	1.87E-04	--
4353	640011.0	4167823.7	Worker	Scenario 2	2.32E-02	1.96E-04	--
4354	640061.0	4167823.7	Worker	Scenario 2	2.41E-02	2.06E-04	--
4355	640111.0	4167823.7	Worker	Scenario 2	2.51E-02	2.16E-04	--
4356	640161.0	4167823.7	Worker	Scenario 2	2.62E-02	2.28E-04	--
4357	643111.0	4167823.7	Worker	Scenario 2	5.94E-01	2.24E-03	--
4358	643161.0	4167823.7	Worker	Scenario 2	5.06E-01	1.94E-03	--
4359	643211.0	4167823.7	Worker	Scenario 2	4.42E-01	1.71E-03	--
4360	643261.0	4167823.7	Worker	Scenario 2	4.05E-01	1.56E-03	--
4361	639861.0	4167873.7	Worker	Scenario 2	2.11E-02	1.74E-04	--
4362	639911.0	4167873.7	Worker	Scenario 2	2.19E-02	1.81E-04	--
4363	639961.0	4167873.7	Worker	Scenario 2	2.28E-02	1.90E-04	--
4364	640011.0	4167873.7	Worker	Scenario 2	2.36E-02	1.99E-04	--
4365	640061.0	4167873.7	Worker	Scenario 2	2.45E-02	2.08E-04	--
4366	643061.0	4167873.7	Worker	Scenario 2	5.80E-01	2.21E-03	--
4367	643111.0	4167873.7	Worker	Scenario 2	5.18E-01	1.97E-03	--
4368	643161.0	4167873.7	Worker	Scenario 2	4.53E-01	1.74E-03	--
4369	643211.0	4167873.7	Worker	Scenario 2	4.01E-01	1.56E-03	--
4370	639811.0	4167923.7	Worker	Scenario 2	2.08E-02	1.69E-04	--
4371	639861.0	4167923.7	Worker	Scenario 2	2.15E-02	1.76E-04	--
4372	639911.0	4167923.7	Worker	Scenario 2	2.23E-02	1.84E-04	--
4373	639961.0	4167923.7	Worker	Scenario 2	2.32E-02	1.92E-04	--
4374	640011.0	4167923.7	Worker	Scenario 2	2.40E-02	2.01E-04	--
4375	643011.0	4167923.7	Worker	Scenario 2	5.44E-01	2.12E-03	--
4376	643061.0	4167923.7	Worker	Scenario 2	5.04E-01	1.94E-03	--
4377	643111.0	4167923.7	Worker	Scenario 2	4.58E-01	1.76E-03	--
4378	643161.0	4167923.7	Worker	Scenario 2	4.10E-01	1.59E-03	--
4379	639711.0	4167973.7	Worker	Scenario 2	1.99E-02	1.58E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4380	639761.0	4167973.7	Worker	Scenario 2	2.07E-02	1.65E-04	--
4381	639811.0	4167973.7	Worker	Scenario 2	2.11E-02	1.70E-04	--
4382	639861.0	4167973.7	Worker	Scenario 2	2.18E-02	1.78E-04	--
4383	639911.0	4167973.7	Worker	Scenario 2	2.27E-02	1.86E-04	--
4384	642911.0	4167973.7	Worker	Scenario 2	5.31E-01	2.18E-03	--
4385	642961.0	4167973.7	Worker	Scenario 2	5.04E-01	2.02E-03	--
4386	643011.0	4167973.7	Worker	Scenario 2	4.74E-01	1.87E-03	--
4387	643061.0	4167973.7	Worker	Scenario 2	4.43E-01	1.73E-03	--
4388	643111.0	4167973.7	Worker	Scenario 2	4.09E-01	1.59E-03	--
4389	639661.0	4168023.7	Worker	Scenario 2	1.95E-02	1.54E-04	--
4390	639711.0	4168023.7	Worker	Scenario 2	2.03E-02	1.60E-04	--
4391	639761.0	4168023.7	Worker	Scenario 2	2.08E-02	1.66E-04	--
4392	639811.0	4168023.7	Worker	Scenario 2	2.16E-02	1.73E-04	--
4393	642861.0	4168023.7	Worker	Scenario 2	4.81E-01	2.04E-03	--
4394	642911.0	4168023.7	Worker	Scenario 2	4.64E-01	1.91E-03	--
4395	642961.0	4168023.7	Worker	Scenario 2	4.42E-01	1.79E-03	--
4396	643011.0	4168023.7	Worker	Scenario 2	4.19E-01	1.67E-03	--
4397	643061.0	4168023.7	Worker	Scenario 2	3.94E-01	1.55E-03	--
4398	639561.0	4168073.7	Worker	Scenario 2	1.85E-02	1.44E-04	--
4399	639611.0	4168073.7	Worker	Scenario 2	1.91E-02	1.49E-04	--
4400	639661.0	4168073.7	Worker	Scenario 2	1.98E-02	1.55E-04	--
4401	639711.0	4168073.7	Worker	Scenario 2	2.04E-02	1.61E-04	--
4402	639761.0	4168073.7	Worker	Scenario 2	2.11E-02	1.67E-04	--
4403	642761.0	4168073.7	Worker	Scenario 2	4.35E-01	2.01E-03	--
4404	642811.0	4168073.7	Worker	Scenario 2	4.33E-01	1.90E-03	--
4405	642861.0	4168073.7	Worker	Scenario 2	4.24E-01	1.80E-03	--
4406	642911.0	4168073.7	Worker	Scenario 2	4.10E-01	1.70E-03	--
4407	642961.0	4168073.7	Worker	Scenario 2	3.93E-01	1.60E-03	--
4408	639561.0	4168123.7	Worker	Scenario 2	1.87E-02	1.45E-04	--
4409	639611.0	4168123.7	Worker	Scenario 2	1.93E-02	1.51E-04	--
4410	639661.0	4168123.7	Worker	Scenario 2	2.00E-02	1.56E-04	--
4411	642661.0	4168123.7	Worker	Scenario 2	3.81E-01	1.95E-03	--
4412	642711.0	4168123.7	Worker	Scenario 2	3.87E-01	1.86E-03	--
4413	642761.0	4168123.7	Worker	Scenario 2	3.88E-01	1.77E-03	--
4414	642811.0	4168123.7	Worker	Scenario 2	3.85E-01	1.69E-03	--
4415	642861.0	4168123.7	Worker	Scenario 2	3.78E-01	1.61E-03	--
4416	642911.0	4168123.7	Worker	Scenario 2	3.66E-01	1.53E-03	--
4417	639511.0	4168173.7	Worker	Scenario 2	1.83E-02	1.41E-04	--
4418	639561.0	4168173.7	Worker	Scenario 2	1.89E-02	1.47E-04	--
4419	642611.0	4168173.7	Worker	Scenario 2	3.41E-01	1.81E-03	--
4420	642661.0	4168173.7	Worker	Scenario 2	3.47E-01	1.73E-03	--
4421	642711.0	4168173.7	Worker	Scenario 2	3.50E-01	1.66E-03	--
4422	642761.0	4168173.7	Worker	Scenario 2	3.50E-01	1.59E-03	--
4423	642811.0	4168173.7	Worker	Scenario 2	3.46E-01	1.52E-03	--
4424	639311.0	4168223.7	Worker	Scenario 2	1.65E-02	1.24E-04	--
4425	639361.0	4168223.7	Worker	Scenario 2	1.69E-02	1.28E-04	--
4426	639411.0	4168223.7	Worker	Scenario 2	1.75E-02	1.33E-04	--
4427	639461.0	4168223.7	Worker	Scenario 2	1.80E-02	1.38E-04	--
4428	639511.0	4168223.7	Worker	Scenario 2	1.85E-02	1.42E-04	--
4429	642511.0	4168223.7	Worker	Scenario 2	3.01E-01	1.77E-03	--
4430	642561.0	4168223.7	Worker	Scenario 2	3.08E-01	1.69E-03	--
4431	642611.0	4168223.7	Worker	Scenario 2	3.13E-01	1.62E-03	--
4432	642661.0	4168223.7	Worker	Scenario 2	3.17E-01	1.55E-03	--
4433	642711.0	4168223.7	Worker	Scenario 2	3.18E-01	1.50E-03	--
4434	642761.0	4168223.7	Worker	Scenario 2	3.17E-01	1.44E-03	--
4435	639261.0	4168273.7	Worker	Scenario 2	1.62E-02	1.20E-04	--
4436	639311.0	4168273.7	Worker	Scenario 2	1.67E-02	1.24E-04	--
4437	639361.0	4168273.7	Worker	Scenario 2	1.71E-02	1.29E-04	--
4438	639411.0	4168273.7	Worker	Scenario 2	1.77E-02	1.34E-04	--
4439	642461.0	4168273.7	Worker	Scenario 2	2.75E-01	1.66E-03	--
4440	642511.0	4168273.7	Worker	Scenario 2	2.80E-01	1.58E-03	--
4441	642561.0	4168273.7	Worker	Scenario 2	2.85E-01	1.52E-03	--
4442	642611.0	4168273.7	Worker	Scenario 2	2.89E-01	1.46E-03	--
4443	642661.0	4168273.7	Worker	Scenario 2	2.91E-01	1.41E-03	--
4444	639211.0	4168323.7	Worker	Scenario 2	1.60E-02	1.17E-04	--
4445	639261.0	4168323.7	Worker	Scenario 2	1.64E-02	1.21E-04	--
4446	639311.0	4168323.7	Worker	Scenario 2	1.69E-02	1.25E-04	--
4447	639361.0	4168323.7	Worker	Scenario 2	1.74E-02	1.30E-04	--
4448	642461.0	4168323.7	Worker	Scenario 2	2.57E-01	1.49E-03	--
4449	642511.0	4168323.7	Worker	Scenario 2	2.61E-01	1.43E-03	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4450	642561.0	4168323.7	Worker	Scenario 2	2.65E-01	1.38E-03	--
4451	642611.0	4168323.7	Worker	Scenario 2	2.67E-01	1.34E-03	--
4452	639111.0	4168373.7	Worker	Scenario 2	1.54E-02	1.11E-04	--
4453	639161.0	4168373.7	Worker	Scenario 2	1.58E-02	1.15E-04	--
4454	639211.0	4168373.7	Worker	Scenario 2	1.62E-02	1.18E-04	--
4455	639261.0	4168373.7	Worker	Scenario 2	1.66E-02	1.22E-04	--
4456	642361.0	4168373.7	Worker	Scenario 2	2.33E-01	1.47E-03	--
4457	642411.0	4168373.7	Worker	Scenario 2	2.37E-01	1.41E-03	--
4458	642461.0	4168373.7	Worker	Scenario 2	2.41E-01	1.36E-03	--
4459	642511.0	4168373.7	Worker	Scenario 2	2.44E-01	1.31E-03	--
4460	642561.0	4168373.7	Worker	Scenario 2	2.47E-01	1.27E-03	--
4461	639061.0	4168423.7	Worker	Scenario 2	1.52E-02	1.08E-04	--
4462	639111.0	4168423.7	Worker	Scenario 2	1.56E-02	1.12E-04	--
4463	639161.0	4168423.7	Worker	Scenario 2	1.60E-02	1.15E-04	--
4464	642261.0	4168423.7	Worker	Scenario 2	2.12E-01	1.45E-03	--
4465	642311.0	4168423.7	Worker	Scenario 2	2.17E-01	1.39E-03	--
4466	642361.0	4168423.7	Worker	Scenario 2	2.20E-01	1.34E-03	--
4467	642411.0	4168423.7	Worker	Scenario 2	2.24E-01	1.29E-03	--
4468	642461.0	4168423.7	Worker	Scenario 2	2.27E-01	1.25E-03	--
4469	642511.0	4168423.7	Worker	Scenario 2	2.29E-01	1.21E-03	--
4470	639011.0	4168473.7	Worker	Scenario 2	1.51E-02	1.06E-04	--
4471	639061.0	4168473.7	Worker	Scenario 2	1.54E-02	1.09E-04	--
4472	639111.0	4168473.7	Worker	Scenario 2	1.58E-02	1.12E-04	--
4473	642161.0	4168473.7	Worker	Scenario 2	1.95E-01	1.44E-03	--
4474	642211.0	4168473.7	Worker	Scenario 2	1.99E-01	1.38E-03	--
4475	642261.0	4168473.7	Worker	Scenario 2	2.02E-01	1.32E-03	--
4476	642311.0	4168473.7	Worker	Scenario 2	2.06E-01	1.28E-03	--
4477	642361.0	4168473.7	Worker	Scenario 2	2.09E-01	1.24E-03	--
4478	642411.0	4168473.7	Worker	Scenario 2	2.12E-01	1.20E-03	--
4479	642461.0	4168473.7	Worker	Scenario 2	2.14E-01	1.16E-03	--
4480	638911.0	4168523.7	Worker	Scenario 2	1.45E-02	1.01E-04	--
4481	638961.0	4168523.7	Worker	Scenario 2	1.49E-02	1.04E-04	--
4482	639011.0	4168523.7	Worker	Scenario 2	1.53E-02	1.07E-04	--
4483	642061.0	4168523.7	Worker	Scenario 2	1.82E-01	1.44E-03	--
4484	642111.0	4168523.7	Worker	Scenario 2	1.85E-01	1.38E-03	--
4485	642161.0	4168523.7	Worker	Scenario 2	1.88E-01	1.32E-03	--
4486	642211.0	4168523.7	Worker	Scenario 2	1.90E-01	1.27E-03	--
4487	642261.0	4168523.7	Worker	Scenario 2	1.93E-01	1.23E-03	--
4488	642311.0	4168523.7	Worker	Scenario 2	1.96E-01	1.19E-03	--
4489	642361.0	4168523.7	Worker	Scenario 2	1.98E-01	1.15E-03	--
4490	638861.0	4168573.7	Worker	Scenario 2	1.43E-02	9.83E-05	--
4491	638911.0	4168573.7	Worker	Scenario 2	1.47E-02	1.01E-04	--
4492	638961.0	4168573.7	Worker	Scenario 2	1.51E-02	1.04E-04	--
4493	641911.0	4168573.7	Worker	Scenario 2	1.72E-01	1.56E-03	--
4494	641961.0	4168573.7	Worker	Scenario 2	1.73E-01	1.47E-03	--
4495	642011.0	4168573.7	Worker	Scenario 2	1.74E-01	1.40E-03	--
4496	642061.0	4168573.7	Worker	Scenario 2	1.76E-01	1.33E-03	--
4497	642111.0	4168573.7	Worker	Scenario 2	1.78E-01	1.28E-03	--
4498	642161.0	4168573.7	Worker	Scenario 2	1.80E-01	1.23E-03	--
4499	642211.0	4168573.7	Worker	Scenario 2	1.82E-01	1.18E-03	--
4500	642261.0	4168573.7	Worker	Scenario 2	1.85E-01	1.14E-03	--
4501	638811.0	4168623.7	Worker	Scenario 2	1.42E-02	9.66E-05	--
4502	638861.0	4168623.7	Worker	Scenario 2	1.45E-02	9.89E-05	--
4503	641811.0	4168623.7	Worker	Scenario 2	1.69E-01	1.67E-03	--
4504	641861.0	4168623.7	Worker	Scenario 2	1.68E-01	1.55E-03	--
4505	641911.0	4168623.7	Worker	Scenario 2	1.67E-01	1.45E-03	--
4506	641961.0	4168623.7	Worker	Scenario 2	1.67E-01	1.37E-03	--
4507	642011.0	4168623.7	Worker	Scenario 2	1.68E-01	1.30E-03	--
4508	642061.0	4168623.7	Worker	Scenario 2	1.70E-01	1.25E-03	--
4509	642111.0	4168623.7	Worker	Scenario 2	1.72E-01	1.19E-03	--
4510	638711.0	4168673.7	Worker	Scenario 2	1.39E-02	9.31E-05	--
4511	638761.0	4168673.7	Worker	Scenario 2	1.42E-02	9.52E-05	--
4512	638811.0	4168673.7	Worker	Scenario 2	1.45E-02	9.75E-05	--
4513	641661.0	4168673.7	Worker	Scenario 2	1.80E-01	2.11E-03	--
4514	641711.0	4168673.7	Worker	Scenario 2	1.73E-01	1.89E-03	--
4515	641761.0	4168673.7	Worker	Scenario 2	1.68E-01	1.71E-03	--
4516	641811.0	4168673.7	Worker	Scenario 2	1.65E-01	1.57E-03	--
4517	641861.0	4168673.7	Worker	Scenario 2	1.64E-01	1.46E-03	--
4518	641911.0	4168673.7	Worker	Scenario 2	1.63E-01	1.37E-03	--
4519	641961.0	4168673.7	Worker	Scenario 2	1.63E-01	1.29E-03	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4520	642011.0	4168673.7	Worker	Scenario 2	1.63E-01	1.23E-03	--
4521	638661.0	4168723.7	Worker	Scenario 2	1.38E-02	9.17E-05	--
4522	638711.0	4168723.7	Worker	Scenario 2	1.41E-02	9.38E-05	--
4523	641511.0	4168723.7	Worker	Scenario 2	2.34E-01	3.42E-03	--
4524	641561.0	4168723.7	Worker	Scenario 2	2.06E-01	2.77E-03	--
4525	641611.0	4168723.7	Worker	Scenario 2	1.89E-01	2.34E-03	--
4526	641661.0	4168723.7	Worker	Scenario 2	1.78E-01	2.03E-03	--
4527	641711.0	4168723.7	Worker	Scenario 2	1.70E-01	1.80E-03	--
4528	641761.0	4168723.7	Worker	Scenario 2	1.65E-01	1.63E-03	--
4529	641811.0	4168723.7	Worker	Scenario 2	1.62E-01	1.49E-03	--
4530	641861.0	4168723.7	Worker	Scenario 2	1.60E-01	1.38E-03	--
4531	641911.0	4168723.7	Worker	Scenario 2	1.59E-01	1.29E-03	--
4532	638561.0	4168773.7	Worker	Scenario 2	1.35E-02	8.85E-05	--
4533	638611.0	4168773.7	Worker	Scenario 2	1.37E-02	9.04E-05	--
4534	638661.0	4168773.7	Worker	Scenario 2	1.40E-02	9.25E-05	--
4535	641461.0	4168773.7	Worker	Scenario 2	2.81E-01	4.57E-03	--
4536	641511.0	4168773.7	Worker	Scenario 2	2.32E-01	3.40E-03	--
4537	641561.0	4168773.7	Worker	Scenario 2	2.04E-01	2.71E-03	--
4538	641611.0	4168773.7	Worker	Scenario 2	1.86E-01	2.26E-03	--
4539	641661.0	4168773.7	Worker	Scenario 2	1.75E-01	1.95E-03	--
4540	641711.0	4168773.7	Worker	Scenario 2	1.67E-01	1.72E-03	--
4541	641761.0	4168773.7	Worker	Scenario 2	1.62E-01	1.55E-03	--
4542	638511.0	4168823.7	Worker	Scenario 2	1.34E-02	8.72E-05	--
4543	638561.0	4168823.7	Worker	Scenario 2	1.37E-02	8.91E-05	--
4544	641461.0	4168823.7	Worker	Scenario 2	2.79E-01	4.57E-03	--
4545	641511.0	4168823.7	Worker	Scenario 2	2.29E-01	3.33E-03	--
4546	641561.0	4168823.7	Worker	Scenario 2	2.01E-01	2.63E-03	--
4547	641611.0	4168823.7	Worker	Scenario 2	1.83E-01	2.17E-03	--
4548	638461.0	4168873.7	Worker	Scenario 2	1.30E-02	8.47E-05	--
4549	638511.0	4168873.7	Worker	Scenario 2	1.34E-02	8.73E-05	--
4550	640211.0	4168873.7	Worker	Scenario 2	3.86E-02	3.00E-04	--
4551	641461.0	4168873.7	Worker	Scenario 2	2.74E-01	4.39E-03	--
4552	641511.0	4168873.7	Worker	Scenario 2	2.25E-01	3.18E-03	--
4553	641561.0	4168873.7	Worker	Scenario 2	1.97E-01	2.50E-03	--
4554	638361.0	4168923.7	Worker	Scenario 2	1.24E-02	8.06E-05	--
4555	638411.0	4168923.7	Worker	Scenario 2	1.28E-02	8.28E-05	--
4556	638461.0	4168923.7	Worker	Scenario 2	1.31E-02	8.52E-05	--
4557	640111.0	4168923.7	Worker	Scenario 2	3.62E-02	2.72E-04	--
4558	640161.0	4168923.7	Worker	Scenario 2	3.76E-02	2.86E-04	--
4559	640211.0	4168923.7	Worker	Scenario 2	3.91E-02	3.01E-04	--
4560	640261.0	4168923.7	Worker	Scenario 2	4.06E-02	3.18E-04	--
4561	640311.0	4168923.7	Worker	Scenario 2	4.23E-02	3.37E-04	--
4562	640361.0	4168923.7	Worker	Scenario 2	4.40E-02	3.57E-04	--
4563	641461.0	4168923.7	Worker	Scenario 2	2.69E-01	4.08E-03	--
4564	641511.0	4168923.7	Worker	Scenario 2	2.21E-01	2.98E-03	--
4565	641561.0	4168923.7	Worker	Scenario 2	1.94E-01	2.34E-03	--
4566	638311.0	4168973.7	Worker	Scenario 2	1.23E-02	7.94E-05	--
4567	638361.0	4168973.7	Worker	Scenario 2	1.26E-02	8.14E-05	--
4568	638411.0	4168973.7	Worker	Scenario 2	1.30E-02	8.36E-05	--
4569	640061.0	4168973.7	Worker	Scenario 2	3.52E-02	2.59E-04	--
4570	640111.0	4168973.7	Worker	Scenario 2	3.65E-02	2.72E-04	--
4571	640161.0	4168973.7	Worker	Scenario 2	3.78E-02	2.86E-04	--
4572	640211.0	4168973.7	Worker	Scenario 2	3.93E-02	3.01E-04	--
4573	640261.0	4168973.7	Worker	Scenario 2	4.08E-02	3.18E-04	--
4574	640311.0	4168973.7	Worker	Scenario 2	4.24E-02	3.36E-04	--
4575	640361.0	4168973.7	Worker	Scenario 2	4.42E-02	3.55E-04	--
4576	640411.0	4168973.7	Worker	Scenario 2	4.60E-02	3.77E-04	--
4577	641461.0	4168973.7	Worker	Scenario 2	2.65E-01	3.80E-03	--
4578	641511.0	4168973.7	Worker	Scenario 2	2.17E-01	2.78E-03	--
4579	641561.0	4168973.7	Worker	Scenario 2	1.90E-01	2.18E-03	--
4580	638261.0	4169023.7	Worker	Scenario 2	1.22E-02	7.83E-05	--
4581	638311.0	4169023.7	Worker	Scenario 2	1.25E-02	8.02E-05	--
4582	638361.0	4169023.7	Worker	Scenario 2	1.29E-02	8.23E-05	--
4583	640011.0	4169023.7	Worker	Scenario 2	3.42E-02	2.47E-04	--
4584	640061.0	4169023.7	Worker	Scenario 2	3.54E-02	2.59E-04	--
4585	640111.0	4169023.7	Worker	Scenario 2	3.66E-02	2.72E-04	--
4586	640161.0	4169023.7	Worker	Scenario 2	3.80E-02	2.86E-04	--
4587	640311.0	4169023.7	Worker	Scenario 2	4.25E-02	3.34E-04	--
4588	640361.0	4169023.7	Worker	Scenario 2	4.42E-02	3.53E-04	--
4589	640411.0	4169023.7	Worker	Scenario 2	4.60E-02	3.74E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4590	641461.0	4169023.7	Worker	Scenario 2	2.60E-01	3.55E-03	--
4591	641511.0	4169023.7	Worker	Scenario 2	2.13E-01	2.58E-03	--
4592	641561.0	4169023.7	Worker	Scenario 2	1.86E-01	2.02E-03	--
4593	638161.0	4169073.7	Worker	Scenario 2	1.19E-02	7.55E-05	--
4594	638211.0	4169073.7	Worker	Scenario 2	1.21E-02	7.73E-05	--
4595	638261.0	4169073.7	Worker	Scenario 2	1.24E-02	7.91E-05	--
4596	639961.0	4169073.7	Worker	Scenario 2	3.32E-02	2.37E-04	--
4597	640011.0	4169073.7	Worker	Scenario 2	3.43E-02	2.48E-04	--
4598	640061.0	4169073.7	Worker	Scenario 2	3.55E-02	2.59E-04	--
4599	640111.0	4169073.7	Worker	Scenario 2	3.68E-02	2.72E-04	--
4600	640311.0	4169073.7	Worker	Scenario 2	4.26E-02	3.33E-04	--
4601	640361.0	4169073.7	Worker	Scenario 2	4.43E-02	3.51E-04	--
4602	640411.0	4169073.7	Worker	Scenario 2	4.60E-02	3.72E-04	--
4603	641461.0	4169073.7	Worker	Scenario 2	2.54E-01	3.29E-03	--
4604	641511.0	4169073.7	Worker	Scenario 2	2.09E-01	2.37E-03	--
4605	641561.0	4169073.7	Worker	Scenario 2	1.83E-01	1.85E-03	--
4606	638161.0	4169123.7	Worker	Scenario 2	1.20E-02	7.59E-05	--
4607	638211.0	4169123.7	Worker	Scenario 2	1.23E-02	7.77E-05	--
4608	639911.0	4169123.7	Worker	Scenario 2	3.23E-02	2.27E-04	--
4609	639961.0	4169123.7	Worker	Scenario 2	3.34E-02	2.37E-04	--
4610	640011.0	4169123.7	Worker	Scenario 2	3.45E-02	2.48E-04	--
4611	640061.0	4169123.7	Worker	Scenario 2	3.57E-02	2.59E-04	--
4612	640311.0	4169123.7	Worker	Scenario 2	4.26E-02	3.31E-04	--
4613	640361.0	4169123.7	Worker	Scenario 2	4.43E-02	3.49E-04	--
4614	640411.0	4169123.7	Worker	Scenario 2	4.60E-02	3.70E-04	--
4615	641461.0	4169123.7	Worker	Scenario 2	2.50E-01	3.00E-03	--
4616	641511.0	4169123.7	Worker	Scenario 2	2.05E-01	2.15E-03	--
4617	641561.0	4169123.7	Worker	Scenario 2	1.79E-01	1.68E-03	--
4618	638061.0	4169173.7	Worker	Scenario 2	1.15E-02	7.28E-05	--
4619	638161.0	4169173.7	Worker	Scenario 2	1.21E-02	7.63E-05	--
4620	639861.0	4169173.7	Worker	Scenario 2	3.14E-02	2.18E-04	--
4621	639911.0	4169173.7	Worker	Scenario 2	3.24E-02	2.27E-04	--
4622	639961.0	4169173.7	Worker	Scenario 2	3.35E-02	2.37E-04	--
4623	640011.0	4169173.7	Worker	Scenario 2	3.46E-02	2.48E-04	--
4624	640311.0	4169173.7	Worker	Scenario 2	4.26E-02	3.30E-04	--
4625	640361.0	4169173.7	Worker	Scenario 2	4.42E-02	3.47E-04	--
4626	640411.0	4169173.7	Worker	Scenario 2	4.59E-02	3.67E-04	--
4627	641461.0	4169173.7	Worker	Scenario 2	2.44E-01	2.65E-03	--
4628	641511.0	4169173.7	Worker	Scenario 2	2.00E-01	1.90E-03	--
4629	641561.0	4169173.7	Worker	Scenario 2	1.75E-01	1.50E-03	--
4630	638011.0	4169223.7	Worker	Scenario 2	1.14E-02	7.16E-05	--
4631	638061.0	4169223.7	Worker	Scenario 2	1.16E-02	7.32E-05	--
4632	639661.0	4169223.7	Worker	Scenario 2	2.80E-02	1.87E-04	--
4633	639761.0	4169223.7	Worker	Scenario 2	2.97E-02	2.02E-04	--
4634	639811.0	4169223.7	Worker	Scenario 2	3.06E-02	2.10E-04	--
4635	639861.0	4169223.7	Worker	Scenario 2	3.15E-02	2.18E-04	--
4636	639911.0	4169223.7	Worker	Scenario 2	3.25E-02	2.28E-04	--
4637	639961.0	4169223.7	Worker	Scenario 2	3.36E-02	2.37E-04	--
4638	640311.0	4169223.7	Worker	Scenario 2	4.25E-02	3.28E-04	--
4639	640361.0	4169223.7	Worker	Scenario 2	4.41E-02	3.45E-04	--
4640	640411.0	4169223.7	Worker	Scenario 2	4.58E-02	3.65E-04	--
4641	641461.0	4169223.7	Worker	Scenario 2	2.36E-01	2.22E-03	--
4642	641511.0	4169223.7	Worker	Scenario 2	1.95E-01	1.63E-03	--
4643	641561.0	4169223.7	Worker	Scenario 2	1.71E-01	1.32E-03	--
4644	637961.0	4169273.7	Worker	Scenario 2	1.13E-02	7.05E-05	--
4645	638011.0	4169273.7	Worker	Scenario 2	1.15E-02	7.21E-05	--
4646	638061.0	4169273.7	Worker	Scenario 2	1.18E-02	7.37E-05	--
4647	639611.0	4169273.7	Worker	Scenario 2	2.73E-02	1.81E-04	--
4648	639661.0	4169273.7	Worker	Scenario 2	2.81E-02	1.87E-04	--
4649	639761.0	4169273.7	Worker	Scenario 2	2.98E-02	2.02E-04	--
4650	639811.0	4169273.7	Worker	Scenario 2	3.07E-02	2.10E-04	--
4651	639861.0	4169273.7	Worker	Scenario 2	3.16E-02	2.19E-04	--
4652	639911.0	4169273.7	Worker	Scenario 2	3.26E-02	2.28E-04	--
4653	640311.0	4169273.7	Worker	Scenario 2	4.24E-02	3.25E-04	--
4654	640361.0	4169273.7	Worker	Scenario 2	4.40E-02	3.42E-04	--
4655	640411.0	4169273.7	Worker	Scenario 2	4.57E-02	3.61E-04	--
4656	641461.0	4169273.7	Worker	Scenario 2	2.29E-01	1.76E-03	--
4657	641511.0	4169273.7	Worker	Scenario 2	1.90E-01	1.37E-03	--
4658	641561.0	4169273.7	Worker	Scenario 2	1.67E-01	1.15E-03	--
4659	637911.0	4169323.7	Worker	Scenario 2	1.12E-02	6.95E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
4660	637961.0	4169323.7	Worker	Scenario 2	1.14E-02	7.10E-05	--
4661	638011.0	4169323.7	Worker	Scenario 2	1.17E-02	7.25E-05	--
4662	639611.0	4169323.7	Worker	Scenario 2	2.75E-02	1.81E-04	--
4663	639661.0	4169323.7	Worker	Scenario 2	2.82E-02	1.88E-04	--
4664	639761.0	4169323.7	Worker	Scenario 2	2.99E-02	2.02E-04	--
4665	639811.0	4169323.7	Worker	Scenario 2	3.08E-02	2.10E-04	--
4666	640311.0	4169323.7	Worker	Scenario 2	4.23E-02	3.23E-04	--
4667	640361.0	4169323.7	Worker	Scenario 2	4.39E-02	3.39E-04	--
4668	640411.0	4169323.7	Worker	Scenario 2	4.55E-02	3.58E-04	--
4669	641461.0	4169323.7	Worker	Scenario 2	2.23E-01	1.40E-03	--
4670	641511.0	4169323.7	Worker	Scenario 2	1.85E-01	1.16E-03	--
4671	641561.0	4169323.7	Worker	Scenario 2	1.63E-01	1.02E-03	--
4672	637861.0	4169373.7	Worker	Scenario 2	1.11E-02	6.85E-05	--
4673	637911.0	4169373.7	Worker	Scenario 2	1.13E-02	6.99E-05	--
4674	637961.0	4169373.7	Worker	Scenario 2	1.16E-02	7.15E-05	--
4675	639561.0	4169373.7	Worker	Scenario 2	2.68E-02	1.75E-04	--
4676	639611.0	4169373.7	Worker	Scenario 2	2.76E-02	1.82E-04	--
4677	639661.0	4169373.7	Worker	Scenario 2	2.83E-02	1.88E-04	--
4678	640311.0	4169373.7	Worker	Scenario 2	4.22E-02	3.20E-04	--
4679	640361.0	4169373.7	Worker	Scenario 2	4.37E-02	3.36E-04	--
4680	640411.0	4169373.7	Worker	Scenario 2	4.53E-02	3.54E-04	--
4681	641461.0	4169373.7	Worker	Scenario 2	2.18E-01	1.19E-03	--
4682	641511.0	4169373.7	Worker	Scenario 2	1.82E-01	1.02E-03	--
4683	641561.0	4169373.7	Worker	Scenario 2	1.60E-01	9.15E-04	--
4684	637861.0	4169423.7	Worker	Scenario 2	1.12E-02	6.89E-05	--
4685	637911.0	4169423.7	Worker	Scenario 2	1.15E-02	7.04E-05	--
4686	639511.0	4169423.7	Worker	Scenario 2	2.62E-02	1.70E-04	--
4687	639561.0	4169423.7	Worker	Scenario 2	2.69E-02	1.76E-04	--
4688	639611.0	4169423.7	Worker	Scenario 2	2.77E-02	1.82E-04	--
4689	639661.0	4169423.7	Worker	Scenario 2	2.84E-02	1.88E-04	--
4690	640311.0	4169423.7	Worker	Scenario 2	4.20E-02	3.17E-04	--
4691	640361.0	4169423.7	Worker	Scenario 2	4.35E-02	3.32E-04	--
4692	640411.0	4169423.7	Worker	Scenario 2	4.51E-02	3.49E-04	--
4693	640861.0	4169423.7	Worker	Scenario 2	6.73E-02	5.92E-04	--
4694	640911.0	4169423.7	Worker	Scenario 2	7.14E-02	6.33E-04	--
4695	640961.0	4169423.7	Worker	Scenario 2	7.63E-02	6.79E-04	--
4696	641011.0	4169423.7	Worker	Scenario 2	8.21E-02	7.30E-04	--
4697	641061.0	4169423.7	Worker	Scenario 2	8.95E-02	7.89E-04	--
4698	641461.0	4169423.7	Worker	Scenario 2	2.14E-01	1.06E-03	--
4699	641511.0	4169423.7	Worker	Scenario 2	1.79E-01	9.28E-04	--
4700	641561.0	4169423.7	Worker	Scenario 2	1.57E-01	8.39E-04	--
4701	637861.0	4169473.7	Worker	Scenario 2	1.14E-02	6.93E-05	--
4702	639461.0	4169473.7	Worker	Scenario 2	2.57E-02	1.65E-04	--
4703	639511.0	4169473.7	Worker	Scenario 2	2.63E-02	1.70E-04	--
4704	639561.0	4169473.7	Worker	Scenario 2	2.70E-02	1.76E-04	--
4705	639611.0	4169473.7	Worker	Scenario 2	2.77E-02	1.82E-04	--
4706	640311.0	4169473.7	Worker	Scenario 2	4.18E-02	3.13E-04	--
4707	640361.0	4169473.7	Worker	Scenario 2	4.33E-02	3.28E-04	--
4708	640411.0	4169473.7	Worker	Scenario 2	4.49E-02	3.45E-04	--
4709	640811.0	4169473.7	Worker	Scenario 2	6.31E-02	5.31E-04	--
4710	640861.0	4169473.7	Worker	Scenario 2	6.66E-02	5.63E-04	--
4711	640911.0	4169473.7	Worker	Scenario 2	7.06E-02	5.97E-04	--
4712	640961.0	4169473.7	Worker	Scenario 2	7.53E-02	6.36E-04	--
4713	641011.0	4169473.7	Worker	Scenario 2	8.09E-02	6.78E-04	--
4714	641061.0	4169473.7	Worker	Scenario 2	8.81E-02	7.24E-04	--
4715	641111.0	4169473.7	Worker	Scenario 2	9.76E-02	7.75E-04	--
4716	641161.0	4169473.7	Worker	Scenario 2	1.11E-01	8.30E-04	--
4717	641211.0	4169473.7	Worker	Scenario 2	1.34E-01	8.96E-04	--
4718	641361.0	4169473.7	Worker	Scenario 2	4.60E-01	1.63E-03	--
4719	641411.0	4169473.7	Worker	Scenario 2	2.78E-01	1.16E-03	--
4720	641461.0	4169473.7	Worker	Scenario 2	2.10E-01	9.64E-04	--
4721	641511.0	4169473.7	Worker	Scenario 2	1.75E-01	8.54E-04	--
4722	639361.0	4169523.7	Worker	Scenario 2	2.45E-02	1.55E-04	--
4723	639411.0	4169523.7	Worker	Scenario 2	2.51E-02	1.60E-04	--
4724	639461.0	4169523.7	Worker	Scenario 2	2.57E-02	1.65E-04	--
4725	639511.0	4169523.7	Worker	Scenario 2	2.64E-02	1.70E-04	--
4726	639561.0	4169523.7	Worker	Scenario 2	2.71E-02	1.76E-04	--
4727	640311.0	4169523.7	Worker	Scenario 2	4.16E-02	3.10E-04	--
4728	640361.0	4169523.7	Worker	Scenario 2	4.30E-02	3.24E-04	--
4729	640411.0	4169523.7	Worker	Scenario 2	4.46E-02	3.40E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4730	640461.0	4169523.7	Worker	Scenario 2	4.62E-02	3.56E-04	--
4731	640611.0	4169523.7	Worker	Scenario 2	5.20E-02	4.13E-04	--
4732	640661.0	4169523.7	Worker	Scenario 2	5.42E-02	4.34E-04	--
4733	640711.0	4169523.7	Worker	Scenario 2	5.67E-02	4.57E-04	--
4734	640761.0	4169523.7	Worker	Scenario 2	5.94E-02	4.81E-04	--
4735	640811.0	4169523.7	Worker	Scenario 2	6.24E-02	5.07E-04	--
4736	640861.0	4169523.7	Worker	Scenario 2	6.58E-02	5.35E-04	--
4737	640911.0	4169523.7	Worker	Scenario 2	6.97E-02	5.64E-04	--
4738	640961.0	4169523.7	Worker	Scenario 2	7.42E-02	5.96E-04	--
4739	641011.0	4169523.7	Worker	Scenario 2	7.98E-02	6.30E-04	--
4740	641061.0	4169523.7	Worker	Scenario 2	8.67E-02	6.65E-04	--
4741	641111.0	4169523.7	Worker	Scenario 2	9.60E-02	7.03E-04	--
4742	641161.0	4169523.7	Worker	Scenario 2	1.10E-01	7.46E-04	--
4743	641211.0	4169523.7	Worker	Scenario 2	1.32E-01	8.01E-04	--
4744	641261.0	4169523.7	Worker	Scenario 2	1.82E-01	9.11E-04	--
4745	641361.0	4169523.7	Worker	Scenario 2	4.50E-01	1.52E-03	--
4746	641411.0	4169523.7	Worker	Scenario 2	2.73E-01	1.08E-03	--
4747	641461.0	4169523.7	Worker	Scenario 2	2.07E-01	8.95E-04	--
4748	641511.0	4169523.7	Worker	Scenario 2	1.72E-01	7.95E-04	--
4749	639311.0	4169573.7	Worker	Scenario 2	2.40E-02	1.51E-04	--
4750	639361.0	4169573.7	Worker	Scenario 2	2.45E-02	1.55E-04	--
4751	639411.0	4169573.7	Worker	Scenario 2	2.51E-02	1.60E-04	--
4752	639461.0	4169573.7	Worker	Scenario 2	2.58E-02	1.65E-04	--
4753	639511.0	4169573.7	Worker	Scenario 2	2.64E-02	1.71E-04	--
4754	640361.0	4169573.7	Worker	Scenario 2	4.28E-02	3.20E-04	--
4755	640411.0	4169573.7	Worker	Scenario 2	4.43E-02	3.34E-04	--
4756	640461.0	4169573.7	Worker	Scenario 2	4.59E-02	3.50E-04	--
4757	640511.0	4169573.7	Worker	Scenario 2	4.77E-02	3.66E-04	--
4758	640561.0	4169573.7	Worker	Scenario 2	4.95E-02	3.83E-04	--
4759	640611.0	4169573.7	Worker	Scenario 2	5.15E-02	4.01E-04	--
4760	640661.0	4169573.7	Worker	Scenario 2	5.37E-02	4.20E-04	--
4761	640711.0	4169573.7	Worker	Scenario 2	5.61E-02	4.40E-04	--
4762	640761.0	4169573.7	Worker	Scenario 2	5.88E-02	4.62E-04	--
4763	640811.0	4169573.7	Worker	Scenario 2	6.17E-02	4.84E-04	--
4764	640861.0	4169573.7	Worker	Scenario 2	6.50E-02	5.08E-04	--
4765	640911.0	4169573.7	Worker	Scenario 2	6.88E-02	5.33E-04	--
4766	641061.0	4169573.7	Worker	Scenario 2	8.54E-02	6.14E-04	--
4767	641111.0	4169573.7	Worker	Scenario 2	9.46E-02	6.43E-04	--
4768	641161.0	4169573.7	Worker	Scenario 2	1.08E-01	6.80E-04	--
4769	641211.0	4169573.7	Worker	Scenario 2	1.31E-01	7.32E-04	--
4770	641261.0	4169573.7	Worker	Scenario 2	1.81E-01	8.43E-04	--
4771	641361.0	4169573.7	Worker	Scenario 2	4.42E-01	1.44E-03	--
4772	641411.0	4169573.7	Worker	Scenario 2	2.70E-01	1.02E-03	--
4773	641461.0	4169573.7	Worker	Scenario 2	2.03E-01	8.41E-04	--
4774	637961.0	4169623.7	Worker	Scenario 2	1.23E-02	7.36E-05	--
4775	639261.0	4169623.7	Worker	Scenario 2	2.35E-02	1.46E-04	--
4776	639311.0	4169623.7	Worker	Scenario 2	2.40E-02	1.51E-04	--
4777	639361.0	4169623.7	Worker	Scenario 2	2.46E-02	1.55E-04	--
4778	639411.0	4169623.7	Worker	Scenario 2	2.52E-02	1.60E-04	--
4779	639461.0	4169623.7	Worker	Scenario 2	2.58E-02	1.65E-04	--
4780	640361.0	4169623.7	Worker	Scenario 2	4.25E-02	3.15E-04	--
4781	640411.0	4169623.7	Worker	Scenario 2	4.40E-02	3.28E-04	--
4782	640461.0	4169623.7	Worker	Scenario 2	4.56E-02	3.42E-04	--
4783	640511.0	4169623.7	Worker	Scenario 2	4.73E-02	3.57E-04	--
4784	640561.0	4169623.7	Worker	Scenario 2	4.91E-02	3.73E-04	--
4785	640611.0	4169623.7	Worker	Scenario 2	5.11E-02	3.89E-04	--
4786	640661.0	4169623.7	Worker	Scenario 2	5.32E-02	4.06E-04	--
4787	640711.0	4169623.7	Worker	Scenario 2	5.55E-02	4.24E-04	--
4788	640761.0	4169623.7	Worker	Scenario 2	5.81E-02	4.43E-04	--
4789	640811.0	4169623.7	Worker	Scenario 2	6.09E-02	4.62E-04	--
4790	641261.0	4169623.7	Worker	Scenario 2	1.81E-01	7.94E-04	--
4791	637911.0	4169673.7	Worker	Scenario 2	1.21E-02	7.25E-05	--
4792	637961.0	4169673.7	Worker	Scenario 2	1.24E-02	7.40E-05	--
4793	639211.0	4169673.7	Worker	Scenario 2	2.30E-02	1.42E-04	--
4794	639261.0	4169673.7	Worker	Scenario 2	2.35E-02	1.47E-04	--
4795	639311.0	4169673.7	Worker	Scenario 2	2.41E-02	1.51E-04	--
4796	639361.0	4169673.7	Worker	Scenario 2	2.46E-02	1.56E-04	--
4797	640461.0	4169673.7	Worker	Scenario 2	4.53E-02	3.35E-04	--
4798	640511.0	4169673.7	Worker	Scenario 2	4.69E-02	3.48E-04	--
4799	640561.0	4169673.7	Worker	Scenario 2	4.87E-02	3.62E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4800	640611.0	4169673.7	Worker	Scenario 2	5.06E-02	3.77E-04	--
4801	637861.0	4169723.7	Worker	Scenario 2	1.21E-02	7.15E-05	--
4802	637911.0	4169723.7	Worker	Scenario 2	1.23E-02	7.30E-05	--
4803	637961.0	4169723.7	Worker	Scenario 2	1.25E-02	7.45E-05	--
4804	639161.0	4169723.7	Worker	Scenario 2	2.25E-02	1.39E-04	--
4805	639211.0	4169723.7	Worker	Scenario 2	2.30E-02	1.43E-04	--
4806	639261.0	4169723.7	Worker	Scenario 2	2.36E-02	1.47E-04	--
4807	639311.0	4169723.7	Worker	Scenario 2	2.41E-02	1.51E-04	--
4808	637861.0	4169773.7	Worker	Scenario 2	1.22E-02	7.18E-05	--
4809	637911.0	4169773.7	Worker	Scenario 2	1.24E-02	7.34E-05	--
4810	637961.0	4169773.7	Worker	Scenario 2	1.26E-02	7.48E-05	--
4811	639111.0	4169773.7	Worker	Scenario 2	2.21E-02	1.35E-04	--
4812	639161.0	4169773.7	Worker	Scenario 2	2.26E-02	1.39E-04	--
4813	639211.0	4169773.7	Worker	Scenario 2	2.31E-02	1.43E-04	--
4814	639261.0	4169773.7	Worker	Scenario 2	2.36E-02	1.47E-04	--
4815	637861.0	4169823.7	Worker	Scenario 2	1.23E-02	7.24E-05	--
4816	637911.0	4169823.7	Worker	Scenario 2	1.26E-02	7.39E-05	--
4817	637961.0	4169823.7	Worker	Scenario 2	1.28E-02	7.54E-05	--
4818	639061.0	4169823.7	Worker	Scenario 2	2.17E-02	1.32E-04	--
4819	639111.0	4169823.7	Worker	Scenario 2	2.21E-02	1.35E-04	--
4820	639161.0	4169823.7	Worker	Scenario 2	2.26E-02	1.39E-04	--
4821	639211.0	4169823.7	Worker	Scenario 2	2.31E-02	1.43E-04	--
4822	637861.0	4169873.7	Worker	Scenario 2	1.24E-02	7.28E-05	--
4823	637911.0	4169873.7	Worker	Scenario 2	1.27E-02	7.43E-05	--
4824	637961.0	4169873.7	Worker	Scenario 2	1.30E-02	7.59E-05	--
4825	639011.0	4169873.7	Worker	Scenario 2	2.13E-02	1.29E-04	--
4826	639061.0	4169873.7	Worker	Scenario 2	2.17E-02	1.32E-04	--
4827	639111.0	4169873.7	Worker	Scenario 2	2.22E-02	1.36E-04	--
4828	639161.0	4169873.7	Worker	Scenario 2	2.26E-02	1.39E-04	--
4829	637861.0	4169923.7	Worker	Scenario 2	1.26E-02	7.33E-05	--
4830	637911.0	4169923.7	Worker	Scenario 2	1.28E-02	7.49E-05	--
4831	637961.0	4169923.7	Worker	Scenario 2	1.31E-02	7.64E-05	--
4832	638961.0	4169923.7	Worker	Scenario 2	2.09E-02	1.26E-04	--
4833	639011.0	4169923.7	Worker	Scenario 2	2.13E-02	1.29E-04	--
4834	639061.0	4169923.7	Worker	Scenario 2	2.17E-02	1.32E-04	--
4835	639111.0	4169923.7	Worker	Scenario 2	2.22E-02	1.36E-04	--
4836	637861.0	4169973.7	Worker	Scenario 2	1.27E-02	7.38E-05	--
4837	637911.0	4169973.7	Worker	Scenario 2	1.30E-02	7.54E-05	--
4838	637961.0	4169973.7	Worker	Scenario 2	1.32E-02	7.70E-05	--
4839	638911.0	4169973.7	Worker	Scenario 2	2.05E-02	1.23E-04	--
4840	638961.0	4169973.7	Worker	Scenario 2	2.09E-02	1.26E-04	--
4841	639011.0	4169973.7	Worker	Scenario 2	2.13E-02	1.29E-04	--
4842	639061.0	4169973.7	Worker	Scenario 2	2.17E-02	1.32E-04	--
4843	637861.0	4170023.7	Worker	Scenario 2	1.28E-02	7.42E-05	--
4844	637911.0	4170023.7	Worker	Scenario 2	1.31E-02	7.58E-05	--
4845	637961.0	4170023.7	Worker	Scenario 2	1.34E-02	7.74E-05	--
4846	638911.0	4170023.7	Worker	Scenario 2	2.05E-02	1.23E-04	--
4847	638961.0	4170023.7	Worker	Scenario 2	2.09E-02	1.26E-04	--
4848	639011.0	4170023.7	Worker	Scenario 2	2.13E-02	1.29E-04	--
4849	637861.0	4170073.7	Worker	Scenario 2	1.37E-02	7.76E-05	--
4850	637911.0	4170073.7	Worker	Scenario 2	1.40E-02	7.90E-05	--
4851	637961.0	4170073.7	Worker	Scenario 2	1.42E-02	8.06E-05	--
4852	638011.0	4170073.7	Worker	Scenario 2	1.45E-02	8.21E-05	--
4853	638911.0	4170073.7	Worker	Scenario 2	2.05E-02	1.23E-04	--
4854	638961.0	4170073.7	Worker	Scenario 2	2.09E-02	1.26E-04	--
4855	637911.0	4170123.7	Worker	Scenario 2	1.39E-02	7.88E-05	--
4856	637961.0	4170123.7	Worker	Scenario 2	1.42E-02	8.06E-05	--
4857	638011.0	4170123.7	Worker	Scenario 2	1.46E-02	8.25E-05	--
4858	638061.0	4170123.7	Worker	Scenario 2	1.42E-02	8.18E-05	--
4859	638111.0	4170123.7	Worker	Scenario 2	1.44E-02	8.33E-05	--
4860	638161.0	4170123.7	Worker	Scenario 2	1.48E-02	8.57E-05	--
4861	638211.0	4170123.7	Worker	Scenario 2	1.51E-02	8.74E-05	--
4862	638261.0	4170123.7	Worker	Scenario 2	1.54E-02	8.94E-05	--
4863	638311.0	4170123.7	Worker	Scenario 2	1.58E-02	9.15E-05	--
4864	638361.0	4170123.7	Worker	Scenario 2	1.61E-02	9.37E-05	--
4865	638411.0	4170123.7	Worker	Scenario 2	1.65E-02	9.62E-05	--
4866	638461.0	4170123.7	Worker	Scenario 2	1.69E-02	9.87E-05	--
4867	638511.0	4170123.7	Worker	Scenario 2	1.73E-02	1.01E-04	--
4868	638561.0	4170123.7	Worker	Scenario 2	1.77E-02	1.04E-04	--
4869	638611.0	4170123.7	Worker	Scenario 2	1.82E-02	1.06E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4870	638661.0	4170123.7	Worker	Scenario 2	1.86E-02	1.09E-04	--
4871	638911.0	4170123.7	Worker	Scenario 2	2.05E-02	1.23E-04	--
4872	638961.0	4170123.7	Worker	Scenario 2	2.09E-02	1.26E-04	--
4873	637911.0	4170173.7	Worker	Scenario 2	1.37E-02	7.83E-05	--
4874	637961.0	4170173.7	Worker	Scenario 2	1.41E-02	8.03E-05	--
4875	638011.0	4170173.7	Worker	Scenario 2	1.44E-02	8.20E-05	--
4876	638061.0	4170173.7	Worker	Scenario 2	1.43E-02	8.21E-05	--
4877	638111.0	4170173.7	Worker	Scenario 2	1.45E-02	8.37E-05	--
4878	638161.0	4170173.7	Worker	Scenario 2	1.49E-02	8.60E-05	--
4879	638211.0	4170173.7	Worker	Scenario 2	1.52E-02	8.79E-05	--
4880	638261.0	4170173.7	Worker	Scenario 2	1.55E-02	8.99E-05	--
4881	638311.0	4170173.7	Worker	Scenario 2	1.59E-02	9.20E-05	--
4882	638361.0	4170173.7	Worker	Scenario 2	1.62E-02	9.44E-05	--
4883	638411.0	4170173.7	Worker	Scenario 2	1.66E-02	9.66E-05	--
4884	638461.0	4170173.7	Worker	Scenario 2	1.70E-02	9.91E-05	--
4885	638511.0	4170173.7	Worker	Scenario 2	1.74E-02	1.02E-04	--
4886	638561.0	4170173.7	Worker	Scenario 2	1.79E-02	1.04E-04	--
4887	638611.0	4170173.7	Worker	Scenario 2	1.83E-02	1.07E-04	--
4888	638861.0	4170173.7	Worker	Scenario 2	2.02E-02	1.20E-04	--
4889	638911.0	4170173.7	Worker	Scenario 2	2.05E-02	1.23E-04	--
4890	638961.0	4170173.7	Worker	Scenario 2	2.09E-02	1.26E-04	--
4891	638011.0	4170223.7	Worker	Scenario 2	1.41E-02	8.10E-05	--
4892	638061.0	4170223.7	Worker	Scenario 2	1.43E-02	8.24E-05	--
4893	638111.0	4170223.7	Worker	Scenario 2	1.46E-02	8.41E-05	--
4894	638161.0	4170223.7	Worker	Scenario 2	1.51E-02	8.66E-05	--
4895	638211.0	4170223.7	Worker	Scenario 2	1.54E-02	8.85E-05	--
4896	638261.0	4170223.7	Worker	Scenario 2	1.57E-02	9.05E-05	--
4897	638311.0	4170223.7	Worker	Scenario 2	1.61E-02	9.31E-05	--
4898	638361.0	4170223.7	Worker	Scenario 2	1.65E-02	9.54E-05	--
4899	638411.0	4170223.7	Worker	Scenario 2	1.69E-02	9.76E-05	--
4900	638461.0	4170223.7	Worker	Scenario 2	1.72E-02	9.96E-05	--
4901	638511.0	4170223.7	Worker	Scenario 2	1.75E-02	1.02E-04	--
4902	638561.0	4170223.7	Worker	Scenario 2	1.79E-02	1.05E-04	--
4903	638811.0	4170223.7	Worker	Scenario 2	1.98E-02	1.18E-04	--
4904	638861.0	4170223.7	Worker	Scenario 2	2.01E-02	1.20E-04	--
4905	638911.0	4170223.7	Worker	Scenario 2	2.05E-02	1.23E-04	--
4906	638761.0	4170273.7	Worker	Scenario 2	1.95E-02	1.15E-04	--
4907	641536.2	4164448.9	Worker	Scenario 2	5.49E-03	4.93E-05	--
4908	641636.2	4164448.9	Worker	Scenario 2	5.92E-03	5.33E-05	--
4909	641736.2	4164448.9	Worker	Scenario 2	5.90E-03	5.37E-05	--
4910	641836.2	4164448.9	Worker	Scenario 2	5.99E-03	5.44E-05	--
4911	641936.2	4164448.9	Worker	Scenario 2	6.12E-03	5.58E-05	--
4912	642036.2	4164448.9	Worker	Scenario 2	6.26E-03	5.75E-05	--
4913	642136.2	4164448.9	Worker	Scenario 2	6.39E-03	5.93E-05	--
4914	642236.2	4164448.9	Worker	Scenario 2	6.66E-03	6.26E-05	--
4915	642336.2	4164448.9	Worker	Scenario 2	6.90E-03	6.57E-05	--
4916	642436.2	4164448.9	Worker	Scenario 2	6.93E-03	6.70E-05	--
4917	642536.2	4164448.9	Worker	Scenario 2	6.83E-03	6.69E-05	--
4918	642636.2	4164448.9	Worker	Scenario 2	6.98E-03	6.92E-05	--
4919	642736.2	4164448.9	Worker	Scenario 2	7.48E-03	7.48E-05	--
4920	642836.2	4164448.9	Worker	Scenario 2	8.43E-03	8.26E-05	--
4921	642936.2	4164448.9	Worker	Scenario 2	8.61E-03	8.45E-05	--
4922	643036.2	4164448.9	Worker	Scenario 2	9.02E-03	8.75E-05	--
4923	643136.2	4164448.9	Worker	Scenario 2	1.01E-02	9.38E-05	--
4924	643236.2	4164448.9	Worker	Scenario 2	1.12E-02	9.91E-05	--
4925	643336.2	4164448.9	Worker	Scenario 2	1.25E-02	1.05E-04	--
4926	643436.2	4164448.9	Worker	Scenario 2	1.34E-02	1.09E-04	--
4927	643536.2	4164448.9	Worker	Scenario 2	1.42E-02	1.12E-04	--
4928	643636.2	4164448.9	Worker	Scenario 2	1.53E-02	1.17E-04	--
4929	643736.2	4164448.9	Worker	Scenario 2	1.60E-02	1.20E-04	--
4930	643836.2	4164448.9	Worker	Scenario 2	1.68E-02	1.23E-04	--
4931	643936.2	4164448.9	Worker	Scenario 2	1.78E-02	1.27E-04	--
4932	644036.2	4164448.9	Worker	Scenario 2	1.87E-02	1.30E-04	--
4933	644136.2	4164448.9	Worker	Scenario 2	1.94E-02	1.32E-04	--
4934	644336.2	4164448.9	Worker	Scenario 2	2.04E-02	1.36E-04	--
4935	644436.2	4164448.9	Worker	Scenario 2	2.08E-02	1.37E-04	--
4936	644536.2	4164448.9	Worker	Scenario 2	2.08E-02	1.37E-04	--
4937	640936.2	4164548.9	Worker	Scenario 2	4.90E-03	4.62E-05	--
4938	641036.2	4164548.9	Worker	Scenario 2	4.82E-03	4.52E-05	--
4939	641136.2	4164548.9	Worker	Scenario 2	4.94E-03	4.57E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4940	641236.2	4164548.9	Worker	Scenario 2	5.06E-03	4.65E-05	--
4941	641336.2	4164548.9	Worker	Scenario 2	5.22E-03	4.76E-05	--
4942	641436.2	4164548.9	Worker	Scenario 2	5.28E-03	4.80E-05	--
4943	641536.2	4164548.9	Worker	Scenario 2	5.45E-03	4.96E-05	--
4944	641636.2	4164548.9	Worker	Scenario 2	5.74E-03	5.22E-05	--
4945	641736.2	4164548.9	Worker	Scenario 2	6.18E-03	5.65E-05	--
4946	641836.2	4164548.9	Worker	Scenario 2	6.66E-03	6.12E-05	--
4947	641936.2	4164548.9	Worker	Scenario 2	6.70E-03	6.16E-05	--
4948	642036.2	4164548.9	Worker	Scenario 2	6.54E-03	6.04E-05	--
4949	642136.2	4164548.9	Worker	Scenario 2	6.72E-03	6.27E-05	--
4950	642236.2	4164548.9	Worker	Scenario 2	6.76E-03	6.37E-05	--
4951	642336.2	4164548.9	Worker	Scenario 2	6.99E-03	6.69E-05	--
4952	642436.2	4164548.9	Worker	Scenario 2	7.96E-03	7.59E-05	--
4953	642536.2	4164548.9	Worker	Scenario 2	7.23E-03	7.10E-05	--
4954	642636.2	4164548.9	Worker	Scenario 2	7.32E-03	7.29E-05	--
4955	642736.2	4164548.9	Worker	Scenario 2	7.53E-03	7.59E-05	--
4956	642836.2	4164548.9	Worker	Scenario 2	8.56E-03	8.51E-05	--
4957	642936.2	4164548.9	Worker	Scenario 2	9.62E-03	9.24E-05	--
4958	643036.2	4164548.9	Worker	Scenario 2	9.55E-03	9.27E-05	--
4959	643136.2	4164548.9	Worker	Scenario 2	1.05E-02	9.81E-05	--
4960	643236.2	4164548.9	Worker	Scenario 2	1.18E-02	1.04E-04	--
4961	643336.2	4164548.9	Worker	Scenario 2	1.31E-02	1.10E-04	--
4962	643436.2	4164548.9	Worker	Scenario 2	1.40E-02	1.14E-04	--
4963	643536.2	4164548.9	Worker	Scenario 2	1.52E-02	1.19E-04	--
4964	643636.2	4164548.9	Worker	Scenario 2	1.61E-02	1.23E-04	--
4965	643736.2	4164548.9	Worker	Scenario 2	1.71E-02	1.27E-04	--
4966	643836.2	4164548.9	Worker	Scenario 2	1.78E-02	1.30E-04	--
4967	643936.2	4164548.9	Worker	Scenario 2	1.86E-02	1.33E-04	--
4968	644036.2	4164548.9	Worker	Scenario 2	1.99E-02	1.37E-04	--
4969	644236.2	4164548.9	Worker	Scenario 2	2.01E-02	1.38E-04	--
4970	644336.2	4164548.9	Worker	Scenario 2	2.10E-02	1.41E-04	--
4971	644436.2	4164548.9	Worker	Scenario 2	2.16E-02	1.42E-04	--
4972	644536.2	4164548.9	Worker	Scenario 2	2.22E-02	1.44E-04	--
4973	644636.2	4164548.9	Worker	Scenario 2	2.27E-02	1.44E-04	--
4974	644736.2	4164548.9	Worker	Scenario 2	2.34E-02	1.45E-04	--
4975	644836.2	4164548.9	Worker	Scenario 2	2.39E-02	1.45E-04	--
4976	644936.2	4164548.9	Worker	Scenario 2	2.41E-02	1.44E-04	--
4977	645036.2	4164548.9	Worker	Scenario 2	2.51E-02	1.45E-04	--
4978	640536.2	4164648.9	Worker	Scenario 2	4.43E-03	4.40E-05	--
4979	640636.2	4164648.9	Worker	Scenario 2	4.67E-03	4.57E-05	--
4980	640736.2	4164648.9	Worker	Scenario 2	4.65E-03	4.53E-05	--
4981	640836.2	4164648.9	Worker	Scenario 2	4.82E-03	4.64E-05	--
4982	640936.2	4164648.9	Worker	Scenario 2	5.01E-03	4.76E-05	--
4983	641036.2	4164648.9	Worker	Scenario 2	4.95E-03	4.67E-05	--
4984	641136.2	4164648.9	Worker	Scenario 2	5.08E-03	4.73E-05	--
4985	641236.2	4164648.9	Worker	Scenario 2	5.22E-03	4.81E-05	--
4986	641336.2	4164648.9	Worker	Scenario 2	5.48E-03	5.02E-05	--
4987	641436.2	4164648.9	Worker	Scenario 2	5.46E-03	4.99E-05	--
4988	641536.2	4164648.9	Worker	Scenario 2	5.61E-03	5.14E-05	--
4989	641636.2	4164648.9	Worker	Scenario 2	5.81E-03	5.34E-05	--
4990	641736.2	4164648.9	Worker	Scenario 2	6.05E-03	5.58E-05	--
4991	641836.2	4164648.9	Worker	Scenario 2	6.67E-03	6.17E-05	--
4992	641936.2	4164648.9	Worker	Scenario 2	7.40E-03	6.82E-05	--
4993	642036.2	4164648.9	Worker	Scenario 2	7.06E-03	6.58E-05	--
4994	642136.2	4164648.9	Worker	Scenario 2	6.98E-03	6.55E-05	--
4995	642236.2	4164648.9	Worker	Scenario 2	7.08E-03	6.71E-05	--
4996	642336.2	4164648.9	Worker	Scenario 2	7.21E-03	6.92E-05	--
4997	642436.2	4164648.9	Worker	Scenario 2	7.68E-03	7.50E-05	--
4998	642536.2	4164648.9	Worker	Scenario 2	8.50E-03	8.26E-05	--
4999	642636.2	4164648.9	Worker	Scenario 2	7.81E-03	7.83E-05	--
5000	642736.2	4164648.9	Worker	Scenario 2	7.91E-03	8.01E-05	--
5001	642836.2	4164648.9	Worker	Scenario 2	8.67E-03	8.76E-05	--
5002	642936.2	4164648.9	Worker	Scenario 2	9.87E-03	9.62E-05	--
5003	643036.2	4164648.9	Worker	Scenario 2	1.06E-02	1.01E-04	--
5004	643136.2	4164648.9	Worker	Scenario 2	1.09E-02	1.03E-04	--
5005	643236.2	4164648.9	Worker	Scenario 2	1.25E-02	1.10E-04	--
5006	643336.2	4164648.9	Worker	Scenario 2	1.35E-02	1.15E-04	--
5007	643436.2	4164648.9	Worker	Scenario 2	1.49E-02	1.21E-04	--
5008	643536.2	4164648.9	Worker	Scenario 2	1.61E-02	1.26E-04	--
5009	643636.2	4164648.9	Worker	Scenario 2	1.71E-02	1.30E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5010	643736.2	4164648.9	Worker	Scenario 2	1.82E-02	1.34E-04	--
5011	643836.2	4164648.9	Worker	Scenario 2	1.89E-02	1.37E-04	--
5012	644136.2	4164648.9	Worker	Scenario 2	2.11E-02	1.45E-04	--
5013	644236.2	4164648.9	Worker	Scenario 2	2.16E-02	1.46E-04	--
5014	644336.2	4164648.9	Worker	Scenario 2	2.24E-02	1.49E-04	--
5015	644436.2	4164648.9	Worker	Scenario 2	2.30E-02	1.50E-04	--
5016	644536.2	4164648.9	Worker	Scenario 2	2.36E-02	1.51E-04	--
5017	644736.2	4164648.9	Worker	Scenario 2	2.50E-02	1.52E-04	--
5018	644836.2	4164648.9	Worker	Scenario 2	2.56E-02	1.52E-04	--
5019	644936.2	4164648.9	Worker	Scenario 2	2.62E-02	1.52E-04	--
5020	645036.2	4164648.9	Worker	Scenario 2	2.67E-02	1.52E-04	--
5021	645136.2	4164648.9	Worker	Scenario 2	2.69E-02	1.50E-04	--
5022	645236.2	4164648.9	Worker	Scenario 2	2.74E-02	1.50E-04	--
5023	640336.2	4164748.9	Worker	Scenario 2	5.55E-03	5.48E-05	--
5024	640436.2	4164748.9	Worker	Scenario 2	4.66E-03	4.69E-05	--
5025	640536.2	4164748.9	Worker	Scenario 2	4.56E-03	4.55E-05	--
5026	640636.2	4164748.9	Worker	Scenario 2	4.74E-03	4.68E-05	--
5027	640736.2	4164748.9	Worker	Scenario 2	4.80E-03	4.70E-05	--
5028	640836.2	4164748.9	Worker	Scenario 2	4.93E-03	4.78E-05	--
5029	640936.2	4164748.9	Worker	Scenario 2	5.15E-03	4.93E-05	--
5030	641036.2	4164748.9	Worker	Scenario 2	5.10E-03	4.83E-05	--
5031	641136.2	4164748.9	Worker	Scenario 2	5.23E-03	4.89E-05	--
5032	641236.2	4164748.9	Worker	Scenario 2	5.41E-03	5.02E-05	--
5033	641336.2	4164748.9	Worker	Scenario 2	5.65E-03	5.20E-05	--
5034	641436.2	4164748.9	Worker	Scenario 2	5.65E-03	5.19E-05	--
5035	641536.2	4164748.9	Worker	Scenario 2	5.83E-03	5.37E-05	--
5036	641636.2	4164748.9	Worker	Scenario 2	6.05E-03	5.60E-05	--
5037	641736.2	4164748.9	Worker	Scenario 2	6.25E-03	5.82E-05	--
5038	641836.2	4164748.9	Worker	Scenario 2	6.59E-03	6.15E-05	--
5039	641936.2	4164748.9	Worker	Scenario 2	7.37E-03	6.90E-05	--
5040	642036.2	4164748.9	Worker	Scenario 2	7.34E-03	6.90E-05	--
5041	642136.2	4164748.9	Worker	Scenario 2	7.24E-03	6.83E-05	--
5042	642236.2	4164748.9	Worker	Scenario 2	7.61E-03	7.25E-05	--
5043	642336.2	4164748.9	Worker	Scenario 2	7.67E-03	7.43E-05	--
5044	642436.2	4164748.9	Worker	Scenario 2	7.77E-03	7.61E-05	--
5045	642536.2	4164748.9	Worker	Scenario 2	8.80E-03	8.64E-05	--
5046	642636.2	4164748.9	Worker	Scenario 2	8.44E-03	8.51E-05	--
5047	642736.2	4164748.9	Worker	Scenario 2	8.37E-03	8.52E-05	--
5048	642836.2	4164748.9	Worker	Scenario 2	8.73E-03	8.91E-05	--
5049	642936.2	4164748.9	Worker	Scenario 2	9.51E-03	9.62E-05	--
5050	643036.2	4164748.9	Worker	Scenario 2	1.12E-02	1.07E-04	--
5051	643136.2	4164748.9	Worker	Scenario 2	1.17E-02	1.10E-04	--
5052	643236.2	4164748.9	Worker	Scenario 2	1.34E-02	1.18E-04	--
5053	643336.2	4164748.9	Worker	Scenario 2	1.44E-02	1.22E-04	--
5054	643436.2	4164748.9	Worker	Scenario 2	1.56E-02	1.27E-04	--
5055	643536.2	4164748.9	Worker	Scenario 2	1.70E-02	1.33E-04	--
5056	643636.2	4164748.9	Worker	Scenario 2	1.83E-02	1.38E-04	--
5057	643736.2	4164748.9	Worker	Scenario 2	1.92E-02	1.42E-04	--
5058	644036.2	4164748.9	Worker	Scenario 2	2.17E-02	1.50E-04	--
5059	644136.2	4164748.9	Worker	Scenario 2	2.26E-02	1.53E-04	--
5060	644236.2	4164748.9	Worker	Scenario 2	2.32E-02	1.55E-04	--
5061	644336.2	4164748.9	Worker	Scenario 2	2.39E-02	1.56E-04	--
5062	644436.2	4164748.9	Worker	Scenario 2	2.46E-02	1.58E-04	--
5063	644536.2	4164748.9	Worker	Scenario 2	2.53E-02	1.59E-04	--
5064	644736.2	4164748.9	Worker	Scenario 2	2.69E-02	1.60E-04	--
5065	644836.2	4164748.9	Worker	Scenario 2	2.75E-02	1.60E-04	--
5066	644936.2	4164748.9	Worker	Scenario 2	2.80E-02	1.59E-04	--
5067	645036.2	4164748.9	Worker	Scenario 2	2.80E-02	1.57E-04	--
5068	645136.2	4164748.9	Worker	Scenario 2	2.88E-02	1.57E-04	--
5069	645236.2	4164748.9	Worker	Scenario 2	2.90E-02	1.56E-04	--
5070	645336.2	4164748.9	Worker	Scenario 2	2.90E-02	1.54E-04	--
5071	645436.2	4164748.9	Worker	Scenario 2	2.93E-02	1.52E-04	--
5072	640136.2	4164848.9	Worker	Scenario 2	4.31E-03	4.43E-05	--
5073	640236.2	4164848.9	Worker	Scenario 2	4.86E-03	4.97E-05	--
5074	640336.2	4164848.9	Worker	Scenario 2	5.81E-03	5.72E-05	--
5075	640436.2	4164848.9	Worker	Scenario 2	4.80E-03	4.87E-05	--
5076	640536.2	4164848.9	Worker	Scenario 2	4.63E-03	4.67E-05	--
5077	640636.2	4164848.9	Worker	Scenario 2	4.82E-03	4.81E-05	--
5078	640736.2	4164848.9	Worker	Scenario 2	5.06E-03	4.99E-05	--
5079	640836.2	4164848.9	Worker	Scenario 2	5.09E-03	4.96E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5080	640936.2	4164848.9	Worker	Scenario 2	5.34E-03	5.14E-05	--
5081	641036.2	4164848.9	Worker	Scenario 2	5.25E-03	5.01E-05	--
5082	641136.2	4164848.9	Worker	Scenario 2	5.40E-03	5.08E-05	--
5083	641236.2	4164848.9	Worker	Scenario 2	5.59E-03	5.22E-05	--
5084	641336.2	4164848.9	Worker	Scenario 2	5.83E-03	5.40E-05	--
5085	641436.2	4164848.9	Worker	Scenario 2	5.90E-03	5.43E-05	--
5086	641536.2	4164848.9	Worker	Scenario 2	6.05E-03	5.60E-05	--
5087	641636.2	4164848.9	Worker	Scenario 2	6.23E-03	5.82E-05	--
5088	641736.2	4164848.9	Worker	Scenario 2	6.57E-03	6.17E-05	--
5089	641836.2	4164848.9	Worker	Scenario 2	6.84E-03	6.45E-05	--
5090	641936.2	4164848.9	Worker	Scenario 2	7.32E-03	6.94E-05	--
5091	642036.2	4164848.9	Worker	Scenario 2	8.69E-03	8.06E-05	--
5092	642136.2	4164848.9	Worker	Scenario 2	7.62E-03	7.26E-05	--
5093	642236.2	4164848.9	Worker	Scenario 2	7.83E-03	7.52E-05	--
5094	642336.2	4164848.9	Worker	Scenario 2	8.43E-03	8.21E-05	--
5095	642436.2	4164848.9	Worker	Scenario 2	8.20E-03	8.08E-05	--
5096	642536.2	4164848.9	Worker	Scenario 2	8.65E-03	8.68E-05	--
5097	642636.2	4164848.9	Worker	Scenario 2	9.29E-03	9.34E-05	--
5098	642736.2	4164848.9	Worker	Scenario 2	8.87E-03	9.07E-05	--
5099	642836.2	4164848.9	Worker	Scenario 2	9.22E-03	9.46E-05	--
5100	642936.2	4164848.9	Worker	Scenario 2	9.86E-03	1.01E-04	--
5101	643036.2	4164848.9	Worker	Scenario 2	1.06E-02	1.06E-04	--
5102	643136.2	4164848.9	Worker	Scenario 2	1.36E-02	1.22E-04	--
5103	643236.2	4164848.9	Worker	Scenario 2	1.41E-02	1.25E-04	--
5104	643336.2	4164848.9	Worker	Scenario 2	1.57E-02	1.31E-04	--
5105	643436.2	4164848.9	Worker	Scenario 2	1.69E-02	1.36E-04	--
5106	643536.2	4164848.9	Worker	Scenario 2	1.80E-02	1.41E-04	--
5107	643636.2	4164848.9	Worker	Scenario 2	1.94E-02	1.46E-04	--
5108	643936.2	4164848.9	Worker	Scenario 2	2.25E-02	1.57E-04	--
5109	644036.2	4164848.9	Worker	Scenario 2	2.34E-02	1.60E-04	--
5110	644136.2	4164848.9	Worker	Scenario 2	2.42E-02	1.62E-04	--
5111	644236.2	4164848.9	Worker	Scenario 2	2.49E-02	1.64E-04	--
5112	644336.2	4164848.9	Worker	Scenario 2	2.55E-02	1.65E-04	--
5113	644436.2	4164848.9	Worker	Scenario 2	2.63E-02	1.66E-04	--
5114	644536.2	4164848.9	Worker	Scenario 2	2.71E-02	1.67E-04	--
5115	644736.2	4164848.9	Worker	Scenario 2	2.88E-02	1.68E-04	--
5116	644836.2	4164848.9	Worker	Scenario 2	2.92E-02	1.66E-04	--
5117	644936.2	4164848.9	Worker	Scenario 2	2.97E-02	1.66E-04	--
5118	645036.2	4164848.9	Worker	Scenario 2	3.04E-02	1.66E-04	--
5119	645136.2	4164848.9	Worker	Scenario 2	3.06E-02	1.64E-04	--
5120	645236.2	4164848.9	Worker	Scenario 2	3.07E-02	1.62E-04	--
5121	645336.2	4164848.9	Worker	Scenario 2	3.05E-02	1.59E-04	--
5122	645436.2	4164848.9	Worker	Scenario 2	3.02E-02	1.56E-04	--
5123	645536.2	4164848.9	Worker	Scenario 2	3.01E-02	1.53E-04	--
5124	645636.2	4164848.9	Worker	Scenario 2	3.11E-02	1.53E-04	--
5125	645736.2	4164848.9	Worker	Scenario 2	3.07E-02	1.49E-04	--
5126	640036.2	4164948.9	Worker	Scenario 2	4.18E-03	4.33E-05	--
5127	640136.2	4164948.9	Worker	Scenario 2	4.51E-03	4.66E-05	--
5128	640236.2	4164948.9	Worker	Scenario 2	5.07E-03	5.19E-05	--
5129	640336.2	4164948.9	Worker	Scenario 2	6.07E-03	5.96E-05	--
5130	640436.2	4164948.9	Worker	Scenario 2	5.26E-03	5.35E-05	--
5131	640536.2	4164948.9	Worker	Scenario 2	4.76E-03	4.83E-05	--
5132	640636.2	4164948.9	Worker	Scenario 2	4.87E-03	4.91E-05	--
5133	640736.2	4164948.9	Worker	Scenario 2	5.05E-03	5.03E-05	--
5134	640836.2	4164948.9	Worker	Scenario 2	5.38E-03	5.29E-05	--
5135	640936.2	4164948.9	Worker	Scenario 2	5.63E-03	5.44E-05	--
5136	641036.2	4164948.9	Worker	Scenario 2	5.43E-03	5.21E-05	--
5137	641136.2	4164948.9	Worker	Scenario 2	5.56E-03	5.27E-05	--
5138	641236.2	4164948.9	Worker	Scenario 2	5.82E-03	5.46E-05	--
5139	641336.2	4164948.9	Worker	Scenario 2	6.03E-03	5.62E-05	--
5140	641436.2	4164948.9	Worker	Scenario 2	6.19E-03	5.73E-05	--
5141	641536.2	4164948.9	Worker	Scenario 2	6.28E-03	5.87E-05	--
5142	641636.2	4164948.9	Worker	Scenario 2	6.46E-03	6.08E-05	--
5143	641736.2	4164948.9	Worker	Scenario 2	6.78E-03	6.43E-05	--
5144	641836.2	4164948.9	Worker	Scenario 2	7.42E-03	7.08E-05	--
5145	641936.2	4164948.9	Worker	Scenario 2	7.49E-03	7.16E-05	--
5146	642036.2	4164948.9	Worker	Scenario 2	9.09E-03	8.50E-05	--
5147	642136.2	4164948.9	Worker	Scenario 2	8.02E-03	7.72E-05	--
5148	642236.2	4164948.9	Worker	Scenario 2	8.16E-03	7.91E-05	--
5149	642336.2	4164948.9	Worker	Scenario 2	8.71E-03	8.54E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
5150	642436.2	4164948.9	Worker	Scenario 2	9.21E-03	9.13E-05	--
5151	642536.2	4164948.9	Worker	Scenario 2	9.28E-03	9.36E-05	--
5152	642636.2	4164948.9	Worker	Scenario 2	1.02E-02	1.02E-04	--
5153	642736.2	4164948.9	Worker	Scenario 2	9.71E-03	9.97E-05	--
5154	642836.2	4164948.9	Worker	Scenario 2	9.76E-03	1.01E-04	--
5155	642936.2	4164948.9	Worker	Scenario 2	1.04E-02	1.07E-04	--
5156	643036.2	4164948.9	Worker	Scenario 2	1.12E-02	1.12E-04	--
5157	643136.2	4164948.9	Worker	Scenario 2	1.43E-02	1.29E-04	--
5158	643236.2	4164948.9	Worker	Scenario 2	1.54E-02	1.34E-04	--
5159	643336.2	4164948.9	Worker	Scenario 2	1.71E-02	1.41E-04	--
5160	643436.2	4164948.9	Worker	Scenario 2	1.83E-02	1.46E-04	--
5161	643536.2	4164948.9	Worker	Scenario 2	1.95E-02	1.51E-04	--
5162	643736.2	4164948.9	Worker	Scenario 2	2.18E-02	1.59E-04	--
5163	643836.2	4164948.9	Worker	Scenario 2	2.33E-02	1.64E-04	--
5164	643936.2	4164948.9	Worker	Scenario 2	2.44E-02	1.68E-04	--
5165	644036.2	4164948.9	Worker	Scenario 2	2.53E-02	1.71E-04	--
5166	644136.2	4164948.9	Worker	Scenario 2	2.59E-02	1.72E-04	--
5167	644236.2	4164948.9	Worker	Scenario 2	2.67E-02	1.73E-04	--
5168	644336.2	4164948.9	Worker	Scenario 2	2.75E-02	1.74E-04	--
5169	644436.2	4164948.9	Worker	Scenario 2	2.84E-02	1.75E-04	--
5170	644536.2	4164948.9	Worker	Scenario 2	2.94E-02	1.76E-04	--
5171	644736.2	4164948.9	Worker	Scenario 2	3.10E-02	1.76E-04	--
5172	644836.2	4164948.9	Worker	Scenario 2	3.16E-02	1.76E-04	--
5173	644936.2	4164948.9	Worker	Scenario 2	3.11E-02	1.71E-04	--
5174	645036.2	4164948.9	Worker	Scenario 2	3.23E-02	1.73E-04	--
5175	645136.2	4164948.9	Worker	Scenario 2	3.24E-02	1.71E-04	--
5176	645236.2	4164948.9	Worker	Scenario 2	3.22E-02	1.67E-04	--
5177	645336.2	4164948.9	Worker	Scenario 2	3.21E-02	1.65E-04	--
5178	645436.2	4164948.9	Worker	Scenario 2	3.18E-02	1.61E-04	--
5179	645536.2	4164948.9	Worker	Scenario 2	3.30E-02	1.61E-04	--
5180	645636.2	4164948.9	Worker	Scenario 2	3.25E-02	1.57E-04	--
5181	645736.2	4164948.9	Worker	Scenario 2	3.20E-02	1.53E-04	--
5182	645836.2	4164948.9	Worker	Scenario 2	3.16E-02	1.50E-04	--
5183	639836.2	4165048.9	Worker	Scenario 2	4.24E-03	4.37E-05	--
5184	639936.2	4165048.9	Worker	Scenario 2	4.18E-03	4.34E-05	--
5185	640036.2	4165048.9	Worker	Scenario 2	4.35E-03	4.52E-05	--
5186	640136.2	4165048.9	Worker	Scenario 2	4.49E-03	4.66E-05	--
5187	640236.2	4165048.9	Worker	Scenario 2	4.87E-03	5.04E-05	--
5188	640336.2	4165048.9	Worker	Scenario 2	5.86E-03	5.88E-05	--
5189	640436.2	4165048.9	Worker	Scenario 2	6.30E-03	6.21E-05	--
5190	640536.2	4165048.9	Worker	Scenario 2	4.94E-03	5.05E-05	--
5191	640636.2	4165048.9	Worker	Scenario 2	5.05E-03	5.13E-05	--
5192	640736.2	4165048.9	Worker	Scenario 2	5.12E-03	5.17E-05	--
5193	640836.2	4165048.9	Worker	Scenario 2	5.34E-03	5.31E-05	--
5194	640936.2	4165048.9	Worker	Scenario 2	5.88E-03	5.74E-05	--
5195	641036.2	4165048.9	Worker	Scenario 2	5.58E-03	5.41E-05	--
5196	641136.2	4165048.9	Worker	Scenario 2	5.73E-03	5.48E-05	--
5197	641236.2	4165048.9	Worker	Scenario 2	6.05E-03	5.71E-05	--
5198	641336.2	4165048.9	Worker	Scenario 2	6.15E-03	5.76E-05	--
5199	641436.2	4165048.9	Worker	Scenario 2	6.75E-03	6.28E-05	--
5200	641536.2	4165048.9	Worker	Scenario 2	6.76E-03	6.35E-05	--
5201	641636.2	4165048.9	Worker	Scenario 2	6.78E-03	6.44E-05	--
5202	641736.2	4165048.9	Worker	Scenario 2	7.00E-03	6.71E-05	--
5203	641836.2	4165048.9	Worker	Scenario 2	7.38E-03	7.12E-05	--
5204	641936.2	4165048.9	Worker	Scenario 2	8.50E-03	8.21E-05	--
5205	642036.2	4165048.9	Worker	Scenario 2	8.77E-03	8.48E-05	--
5206	642136.2	4165048.9	Worker	Scenario 2	9.13E-03	8.82E-05	--
5207	642236.2	4165048.9	Worker	Scenario 2	8.63E-03	8.45E-05	--
5208	642336.2	4165048.9	Worker	Scenario 2	8.96E-03	8.88E-05	--
5209	642436.2	4165048.9	Worker	Scenario 2	9.43E-03	9.45E-05	--
5210	642536.2	4165048.9	Worker	Scenario 2	1.12E-02	1.09E-04	--
5211	642636.2	4165048.9	Worker	Scenario 2	1.21E-02	1.16E-04	--
5212	642736.2	4165048.9	Worker	Scenario 2	1.10E-02	1.12E-04	--
5213	642836.2	4165048.9	Worker	Scenario 2	1.05E-02	1.09E-04	--
5214	642936.2	4165048.9	Worker	Scenario 2	1.12E-02	1.15E-04	--
5215	643036.2	4165048.9	Worker	Scenario 2	1.33E-02	1.28E-04	--
5216	643136.2	4165048.9	Worker	Scenario 2	1.51E-02	1.37E-04	--
5217	643236.2	4165048.9	Worker	Scenario 2	1.80E-02	1.49E-04	--
5218	643336.2	4165048.9	Worker	Scenario 2	1.88E-02	1.52E-04	--
5219	643436.2	4165048.9	Worker	Scenario 2	2.02E-02	1.58E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5220	643636.2	4165048.9	Worker	Scenario 2	2.25E-02	1.66E-04	--
5221	643736.2	4165048.9	Worker	Scenario 2	2.39E-02	1.71E-04	--
5222	643836.2	4165048.9	Worker	Scenario 2	2.55E-02	1.76E-04	--
5223	643936.2	4165048.9	Worker	Scenario 2	2.65E-02	1.79E-04	--
5224	644036.2	4165048.9	Worker	Scenario 2	2.72E-02	1.81E-04	--
5225	644136.2	4165048.9	Worker	Scenario 2	2.79E-02	1.82E-04	--
5226	644236.2	4165048.9	Worker	Scenario 2	2.87E-02	1.83E-04	--
5227	644336.2	4165048.9	Worker	Scenario 2	2.97E-02	1.84E-04	--
5228	644436.2	4165048.9	Worker	Scenario 2	3.07E-02	1.85E-04	--
5229	644536.2	4165048.9	Worker	Scenario 2	3.17E-02	1.86E-04	--
5230	644736.2	4165048.9	Worker	Scenario 2	3.34E-02	1.86E-04	--
5231	644836.2	4165048.9	Worker	Scenario 2	3.40E-02	1.85E-04	--
5232	644936.2	4165048.9	Worker	Scenario 2	3.44E-02	1.83E-04	--
5233	645036.2	4165048.9	Worker	Scenario 2	3.45E-02	1.81E-04	--
5234	645136.2	4165048.9	Worker	Scenario 2	3.44E-02	1.77E-04	--
5235	645236.2	4165048.9	Worker	Scenario 2	3.40E-02	1.74E-04	--
5236	645336.2	4165048.9	Worker	Scenario 2	3.54E-02	1.74E-04	--
5237	645436.2	4165048.9	Worker	Scenario 2	3.50E-02	1.70E-04	--
5238	645536.2	4165048.9	Worker	Scenario 2	3.45E-02	1.66E-04	--
5239	645636.2	4165048.9	Worker	Scenario 2	3.40E-02	1.62E-04	--
5240	645736.2	4165048.9	Worker	Scenario 2	3.34E-02	1.58E-04	--
5241	646036.2	4165048.9	Worker	Scenario 2	3.11E-02	1.45E-04	--
5242	639736.2	4165148.9	Worker	Scenario 2	4.22E-03	4.33E-05	--
5243	639836.2	4165148.9	Worker	Scenario 2	4.39E-03	4.51E-05	--
5244	639936.2	4165148.9	Worker	Scenario 2	4.30E-03	4.46E-05	--
5245	640036.2	4165148.9	Worker	Scenario 2	4.41E-03	4.57E-05	--
5246	640136.2	4165148.9	Worker	Scenario 2	4.61E-03	4.79E-05	--
5247	640236.2	4165148.9	Worker	Scenario 2	4.78E-03	4.97E-05	--
5248	640336.2	4165148.9	Worker	Scenario 2	5.59E-03	5.73E-05	--
5249	640436.2	4165148.9	Worker	Scenario 2	6.90E-03	6.67E-05	--
5250	640536.2	4165148.9	Worker	Scenario 2	5.24E-03	5.41E-05	--
5251	640636.2	4165148.9	Worker	Scenario 2	5.27E-03	5.40E-05	--
5252	640736.2	4165148.9	Worker	Scenario 2	5.27E-03	5.36E-05	--
5253	640836.2	4165148.9	Worker	Scenario 2	5.47E-03	5.50E-05	--
5254	640936.2	4165148.9	Worker	Scenario 2	6.09E-03	6.02E-05	--
5255	641036.2	4165148.9	Worker	Scenario 2	5.76E-03	5.64E-05	--
5256	641136.2	4165148.9	Worker	Scenario 2	5.93E-03	5.72E-05	--
5257	641236.2	4165148.9	Worker	Scenario 2	6.15E-03	5.85E-05	--
5258	641336.2	4165148.9	Worker	Scenario 2	6.55E-03	6.20E-05	--
5259	641436.2	4165148.9	Worker	Scenario 2	6.73E-03	6.34E-05	--
5260	641536.2	4165148.9	Worker	Scenario 2	7.07E-03	6.71E-05	--
5261	641636.2	4165148.9	Worker	Scenario 2	7.13E-03	6.83E-05	--
5262	641736.2	4165148.9	Worker	Scenario 2	7.38E-03	7.13E-05	--
5263	641836.2	4165148.9	Worker	Scenario 2	7.65E-03	7.46E-05	--
5264	641936.2	4165148.9	Worker	Scenario 2	8.17E-03	8.03E-05	--
5265	642036.2	4165148.9	Worker	Scenario 2	9.45E-03	9.20E-05	--
5266	642136.2	4165148.9	Worker	Scenario 2	1.09E-02	1.02E-04	--
5267	642236.2	4165148.9	Worker	Scenario 2	9.28E-03	9.18E-05	--
5268	642336.2	4165148.9	Worker	Scenario 2	9.57E-03	9.55E-05	--
5269	642436.2	4165148.9	Worker	Scenario 2	9.93E-03	1.00E-04	--
5270	642536.2	4165148.9	Worker	Scenario 2	1.02E-02	1.04E-04	--
5271	642636.2	4165148.9	Worker	Scenario 2	1.16E-02	1.17E-04	--
5272	642736.2	4165148.9	Worker	Scenario 2	1.29E-02	1.26E-04	--
5273	642836.2	4165148.9	Worker	Scenario 2	1.13E-02	1.18E-04	--
5274	642936.2	4165148.9	Worker	Scenario 2	1.21E-02	1.24E-04	--
5275	643036.2	4165148.9	Worker	Scenario 2	1.48E-02	1.40E-04	--
5276	643136.2	4165148.9	Worker	Scenario 2	1.69E-02	1.50E-04	--
5277	643236.2	4165148.9	Worker	Scenario 2	1.87E-02	1.57E-04	--
5278	643336.2	4165148.9	Worker	Scenario 2	2.11E-02	1.66E-04	--
5279	643536.2	4165148.9	Worker	Scenario 2	2.37E-02	1.76E-04	--
5280	643636.2	4165148.9	Worker	Scenario 2	2.54E-02	1.81E-04	--
5281	643736.2	4165148.9	Worker	Scenario 2	2.70E-02	1.87E-04	--
5282	643836.2	4165148.9	Worker	Scenario 2	2.79E-02	1.90E-04	--
5283	643936.2	4165148.9	Worker	Scenario 2	2.87E-02	1.91E-04	--
5284	644036.2	4165148.9	Worker	Scenario 2	2.94E-02	1.93E-04	--
5285	644136.2	4165148.9	Worker	Scenario 2	3.03E-02	1.94E-04	--
5286	644236.2	4165148.9	Worker	Scenario 2	3.12E-02	1.95E-04	--
5287	644336.2	4165148.9	Worker	Scenario 2	3.23E-02	1.96E-04	--
5288	644436.2	4165148.9	Worker	Scenario 2	3.34E-02	1.96E-04	--
5289	644536.2	4165148.9	Worker	Scenario 2	3.43E-02	1.96E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5290	644736.2	4165148.9	Worker	Scenario 2	3.59E-02	1.95E-04	--
5291	644836.2	4165148.9	Worker	Scenario 2	3.64E-02	1.93E-04	--
5292	644936.2	4165148.9	Worker	Scenario 2	3.68E-02	1.91E-04	--
5293	645036.2	4165148.9	Worker	Scenario 2	3.67E-02	1.88E-04	--
5294	645136.2	4165148.9	Worker	Scenario 2	3.63E-02	1.84E-04	--
5295	645236.2	4165148.9	Worker	Scenario 2	3.60E-02	1.80E-04	--
5296	645336.2	4165148.9	Worker	Scenario 2	3.71E-02	1.79E-04	--
5297	645436.2	4165148.9	Worker	Scenario 2	3.66E-02	1.75E-04	--
5298	645536.2	4165148.9	Worker	Scenario 2	3.61E-02	1.71E-04	--
5299	645636.2	4165148.9	Worker	Scenario 2	3.56E-02	1.67E-04	--
5300	645736.2	4165148.9	Worker	Scenario 2	3.37E-02	1.60E-04	--
5301	645936.2	4165148.9	Worker	Scenario 2	3.30E-02	1.53E-04	--
5302	646036.2	4165148.9	Worker	Scenario 2	3.27E-02	1.50E-04	--
5303	646136.2	4165148.9	Worker	Scenario 2	3.25E-02	1.47E-04	--
5304	639636.2	4165248.9	Worker	Scenario 2	4.15E-03	4.22E-05	--
5305	639736.2	4165248.9	Worker	Scenario 2	4.26E-03	4.37E-05	--
5306	639836.2	4165248.9	Worker	Scenario 2	4.40E-03	4.53E-05	--
5307	639936.2	4165248.9	Worker	Scenario 2	4.56E-03	4.70E-05	--
5308	640036.2	4165248.9	Worker	Scenario 2	4.54E-03	4.71E-05	--
5309	640136.2	4165248.9	Worker	Scenario 2	4.72E-03	4.92E-05	--
5310	640236.2	4165248.9	Worker	Scenario 2	5.07E-03	5.27E-05	--
5311	640336.2	4165248.9	Worker	Scenario 2	5.72E-03	5.88E-05	--
5312	640436.2	4165248.9	Worker	Scenario 2	7.12E-03	6.89E-05	--
5313	640536.2	4165248.9	Worker	Scenario 2	6.61E-03	6.62E-05	--
5314	640636.2	4165248.9	Worker	Scenario 2	5.32E-03	5.50E-05	--
5315	640736.2	4165248.9	Worker	Scenario 2	5.41E-03	5.56E-05	--
5316	640836.2	4165248.9	Worker	Scenario 2	5.64E-03	5.74E-05	--
5317	640936.2	4165248.9	Worker	Scenario 2	6.36E-03	6.35E-05	--
5318	641036.2	4165248.9	Worker	Scenario 2	6.05E-03	5.99E-05	--
5319	641136.2	4165248.9	Worker	Scenario 2	6.12E-03	5.97E-05	--
5320	641236.2	4165248.9	Worker	Scenario 2	6.53E-03	6.29E-05	--
5321	641336.2	4165248.9	Worker	Scenario 2	6.99E-03	6.67E-05	--
5322	641436.2	4165248.9	Worker	Scenario 2	6.94E-03	6.58E-05	--
5323	641536.2	4165248.9	Worker	Scenario 2	7.57E-03	7.24E-05	--
5324	641636.2	4165248.9	Worker	Scenario 2	7.46E-03	7.23E-05	--
5325	641736.2	4165248.9	Worker	Scenario 2	7.79E-03	7.62E-05	--
5326	641836.2	4165248.9	Worker	Scenario 2	8.07E-03	7.97E-05	--
5327	641936.2	4165248.9	Worker	Scenario 2	8.45E-03	8.40E-05	--
5328	642036.2	4165248.9	Worker	Scenario 2	9.40E-03	9.40E-05	--
5329	642136.2	4165248.9	Worker	Scenario 2	1.17E-02	1.10E-04	--
5330	642236.2	4165248.9	Worker	Scenario 2	1.07E-02	1.07E-04	--
5331	642336.2	4165248.9	Worker	Scenario 2	1.08E-02	1.09E-04	--
5332	642436.2	4165248.9	Worker	Scenario 2	1.06E-02	1.08E-04	--
5333	642536.2	4165248.9	Worker	Scenario 2	1.13E-02	1.16E-04	--
5334	642636.2	4165248.9	Worker	Scenario 2	1.16E-02	1.20E-04	--
5335	642736.2	4165248.9	Worker	Scenario 2	1.67E-02	1.49E-04	--
5336	642836.2	4165248.9	Worker	Scenario 2	1.24E-02	1.28E-04	--
5337	642936.2	4165248.9	Worker	Scenario 2	1.36E-02	1.38E-04	--
5338	643036.2	4165248.9	Worker	Scenario 2	1.67E-02	1.54E-04	--
5339	643136.2	4165248.9	Worker	Scenario 2	1.86E-02	1.63E-04	--
5340	643436.2	4165248.9	Worker	Scenario 2	2.53E-02	1.88E-04	--
5341	643536.2	4165248.9	Worker	Scenario 2	2.71E-02	1.94E-04	--
5342	643636.2	4165248.9	Worker	Scenario 2	2.85E-02	1.98E-04	--
5343	643736.2	4165248.9	Worker	Scenario 2	2.94E-02	2.01E-04	--
5344	643836.2	4165248.9	Worker	Scenario 2	3.03E-02	2.03E-04	--
5345	643936.2	4165248.9	Worker	Scenario 2	3.11E-02	2.05E-04	--
5346	644036.2	4165248.9	Worker	Scenario 2	3.20E-02	2.06E-04	--
5347	644136.2	4165248.9	Worker	Scenario 2	3.29E-02	2.07E-04	--
5348	644236.2	4165248.9	Worker	Scenario 2	3.41E-02	2.07E-04	--
5349	644336.2	4165248.9	Worker	Scenario 2	3.53E-02	2.08E-04	--
5350	644436.2	4165248.9	Worker	Scenario 2	3.64E-02	2.08E-04	--
5351	644536.2	4165248.9	Worker	Scenario 2	3.74E-02	2.08E-04	--
5352	644736.2	4165248.9	Worker	Scenario 2	3.88E-02	2.05E-04	--
5353	644836.2	4165248.9	Worker	Scenario 2	3.91E-02	2.03E-04	--
5354	644936.2	4165248.9	Worker	Scenario 2	3.93E-02	2.00E-04	--
5355	645036.2	4165248.9	Worker	Scenario 2	3.90E-02	1.96E-04	--
5356	645136.2	4165248.9	Worker	Scenario 2	3.85E-02	1.91E-04	--
5357	645236.2	4165248.9	Worker	Scenario 2	3.80E-02	1.86E-04	--
5358	645336.2	4165248.9	Worker	Scenario 2	3.75E-02	1.82E-04	--
5359	645436.2	4165248.9	Worker	Scenario 2	3.68E-02	1.77E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5360	645536.2	4165248.9	Worker	Scenario 2	3.61E-02	1.72E-04	--
5361	645636.2	4165248.9	Worker	Scenario 2	3.55E-02	1.68E-04	--
5362	645936.2	4165248.9	Worker	Scenario 2	3.48E-02	1.58E-04	--
5363	646036.2	4165248.9	Worker	Scenario 2	3.45E-02	1.55E-04	--
5364	646136.2	4165248.9	Worker	Scenario 2	3.44E-02	1.53E-04	--
5365	639536.2	4165348.9	Worker	Scenario 2	4.16E-03	4.20E-05	--
5366	639636.2	4165348.9	Worker	Scenario 2	4.35E-03	4.39E-05	--
5367	639736.2	4165348.9	Worker	Scenario 2	4.34E-03	4.43E-05	--
5368	639836.2	4165348.9	Worker	Scenario 2	4.52E-03	4.63E-05	--
5369	639936.2	4165348.9	Worker	Scenario 2	4.81E-03	4.95E-05	--
5370	640036.2	4165348.9	Worker	Scenario 2	4.65E-03	4.83E-05	--
5371	640136.2	4165348.9	Worker	Scenario 2	4.81E-03	5.01E-05	--
5372	640236.2	4165348.9	Worker	Scenario 2	5.03E-03	5.25E-05	--
5373	640336.2	4165348.9	Worker	Scenario 2	5.35E-03	5.59E-05	--
5374	640436.2	4165348.9	Worker	Scenario 2	6.83E-03	6.80E-05	--
5375	640536.2	4165348.9	Worker	Scenario 2	8.00E-03	7.57E-05	--
5376	640636.2	4165348.9	Worker	Scenario 2	5.83E-03	6.07E-05	--
5377	640736.2	4165348.9	Worker	Scenario 2	5.62E-03	5.83E-05	--
5378	640836.2	4165348.9	Worker	Scenario 2	5.93E-03	6.10E-05	--
5379	640936.2	4165348.9	Worker	Scenario 2	6.67E-03	6.72E-05	--
5380	641036.2	4165348.9	Worker	Scenario 2	6.12E-03	6.15E-05	--
5381	641136.2	4165348.9	Worker	Scenario 2	6.29E-03	6.23E-05	--
5382	641236.2	4165348.9	Worker	Scenario 2	6.61E-03	6.46E-05	--
5383	641336.2	4165348.9	Worker	Scenario 2	7.18E-03	6.93E-05	--
5384	641436.2	4165348.9	Worker	Scenario 2	7.85E-03	7.49E-05	--
5385	641536.2	4165348.9	Worker	Scenario 2	8.14E-03	7.88E-05	--
5386	641636.2	4165348.9	Worker	Scenario 2	7.91E-03	7.77E-05	--
5387	641736.2	4165348.9	Worker	Scenario 2	8.25E-03	8.18E-05	--
5388	641836.2	4165348.9	Worker	Scenario 2	8.59E-03	8.61E-05	--
5389	641936.2	4165348.9	Worker	Scenario 2	8.96E-03	9.05E-05	--
5390	642036.2	4165348.9	Worker	Scenario 2	9.56E-03	9.72E-05	--
5391	642136.2	4165348.9	Worker	Scenario 2	1.05E-02	1.07E-04	--
5392	642236.2	4165348.9	Worker	Scenario 2	1.46E-02	1.32E-04	--
5393	642336.2	4165348.9	Worker	Scenario 2	1.19E-02	1.20E-04	--
5394	642436.2	4165348.9	Worker	Scenario 2	1.17E-02	1.19E-04	--
5395	642536.2	4165348.9	Worker	Scenario 2	1.27E-02	1.30E-04	--
5396	642636.2	4165348.9	Worker	Scenario 2	1.27E-02	1.31E-04	--
5397	642736.2	4165348.9	Worker	Scenario 2	1.45E-02	1.45E-04	--
5398	642836.2	4165348.9	Worker	Scenario 2	1.65E-02	1.57E-04	--
5399	642936.2	4165348.9	Worker	Scenario 2	1.53E-02	1.52E-04	--
5400	643036.2	4165348.9	Worker	Scenario 2	1.88E-02	1.69E-04	--
5401	643236.2	4165348.9	Worker	Scenario 2	2.53E-02	1.95E-04	--
5402	643336.2	4165348.9	Worker	Scenario 2	2.72E-02	2.02E-04	--
5403	643436.2	4165348.9	Worker	Scenario 2	2.83E-02	2.06E-04	--
5404	643536.2	4165348.9	Worker	Scenario 2	2.98E-02	2.10E-04	--
5405	643636.2	4165348.9	Worker	Scenario 2	3.11E-02	2.14E-04	--
5406	643736.2	4165348.9	Worker	Scenario 2	3.21E-02	2.16E-04	--
5407	643836.2	4165348.9	Worker	Scenario 2	3.30E-02	2.18E-04	--
5408	643936.2	4165348.9	Worker	Scenario 2	3.39E-02	2.19E-04	--
5409	644036.2	4165348.9	Worker	Scenario 2	3.49E-02	2.20E-04	--
5410	644136.2	4165348.9	Worker	Scenario 2	3.60E-02	2.20E-04	--
5411	644236.2	4165348.9	Worker	Scenario 2	3.73E-02	2.21E-04	--
5412	644336.2	4165348.9	Worker	Scenario 2	3.86E-02	2.22E-04	--
5413	644436.2	4165348.9	Worker	Scenario 2	3.98E-02	2.21E-04	--
5414	644536.2	4165348.9	Worker	Scenario 2	4.08E-02	2.20E-04	--
5415	644736.2	4165348.9	Worker	Scenario 2	4.19E-02	2.16E-04	--
5416	644836.2	4165348.9	Worker	Scenario 2	4.20E-02	2.13E-04	--
5417	644936.2	4165348.9	Worker	Scenario 2	4.18E-02	2.08E-04	--
5418	645036.2	4165348.9	Worker	Scenario 2	4.15E-02	2.04E-04	--
5419	645136.2	4165348.9	Worker	Scenario 2	4.08E-02	1.98E-04	--
5420	645236.2	4165348.9	Worker	Scenario 2	4.02E-02	1.93E-04	--
5421	645336.2	4165348.9	Worker	Scenario 2	3.94E-02	1.88E-04	--
5422	645436.2	4165348.9	Worker	Scenario 2	3.89E-02	1.83E-04	--
5423	645536.2	4165348.9	Worker	Scenario 2	3.83E-02	1.78E-04	--
5424	645636.2	4165348.9	Worker	Scenario 2	3.78E-02	1.74E-04	--
5425	639436.2	4165448.9	Worker	Scenario 2	4.17E-03	4.17E-05	--
5426	639536.2	4165448.9	Worker	Scenario 2	4.36E-03	4.38E-05	--
5427	639636.2	4165448.9	Worker	Scenario 2	4.52E-03	4.54E-05	--
5428	639736.2	4165448.9	Worker	Scenario 2	4.47E-03	4.55E-05	--
5429	639836.2	4165448.9	Worker	Scenario 2	4.59E-03	4.69E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5430	639936.2	4165448.9	Worker	Scenario 2	4.94E-03	5.06E-05	--
5431	640036.2	4165448.9	Worker	Scenario 2	4.87E-03	5.03E-05	--
5432	640136.2	4165448.9	Worker	Scenario 2	4.92E-03	5.12E-05	--
5433	640236.2	4165448.9	Worker	Scenario 2	5.17E-03	5.39E-05	--
5434	640336.2	4165448.9	Worker	Scenario 2	5.40E-03	5.66E-05	--
5435	640436.2	4165448.9	Worker	Scenario 2	6.44E-03	6.60E-05	--
5436	640536.2	4165448.9	Worker	Scenario 2	8.46E-03	7.96E-05	--
5437	640636.2	4165448.9	Worker	Scenario 2	6.76E-03	6.95E-05	--
5438	640736.2	4165448.9	Worker	Scenario 2	5.80E-03	6.06E-05	--
5439	640836.2	4165448.9	Worker	Scenario 2	6.17E-03	6.41E-05	--
5440	640936.2	4165448.9	Worker	Scenario 2	6.59E-03	6.77E-05	--
5441	641036.2	4165448.9	Worker	Scenario 2	6.34E-03	6.45E-05	--
5442	641136.2	4165448.9	Worker	Scenario 2	6.51E-03	6.55E-05	--
5443	641236.2	4165448.9	Worker	Scenario 2	6.78E-03	6.71E-05	--
5444	641336.2	4165448.9	Worker	Scenario 2	7.09E-03	6.94E-05	--
5445	641436.2	4165448.9	Worker	Scenario 2	7.63E-03	7.45E-05	--
5446	641536.2	4165448.9	Worker	Scenario 2	9.36E-03	9.00E-05	--
5447	641636.2	4165448.9	Worker	Scenario 2	9.02E-03	9.00E-05	--
5448	641736.2	4165448.9	Worker	Scenario 2	8.67E-03	8.73E-05	--
5449	641836.2	4165448.9	Worker	Scenario 2	9.31E-03	9.53E-05	--
5450	641936.2	4165448.9	Worker	Scenario 2	9.69E-03	9.99E-05	--
5451	642036.2	4165448.9	Worker	Scenario 2	1.04E-02	1.08E-04	--
5452	642136.2	4165448.9	Worker	Scenario 2	1.08E-02	1.12E-04	--
5453	642236.2	4165448.9	Worker	Scenario 2	1.33E-02	1.32E-04	--
5454	642336.2	4165448.9	Worker	Scenario 2	1.57E-02	1.47E-04	--
5455	642436.2	4165448.9	Worker	Scenario 2	1.33E-02	1.36E-04	--
5456	642536.2	4165448.9	Worker	Scenario 2	1.38E-02	1.41E-04	--
5457	642636.2	4165448.9	Worker	Scenario 2	1.61E-02	1.56E-04	--
5458	642736.2	4165448.9	Worker	Scenario 2	1.48E-02	1.51E-04	--
5459	642836.2	4165448.9	Worker	Scenario 2	2.09E-02	1.82E-04	--
5460	642936.2	4165448.9	Worker	Scenario 2	2.13E-02	1.86E-04	--
5461	643136.2	4165448.9	Worker	Scenario 2	2.57E-02	2.06E-04	--
5462	643236.2	4165448.9	Worker	Scenario 2	2.79E-02	2.13E-04	--
5463	643336.2	4165448.9	Worker	Scenario 2	3.00E-02	2.20E-04	--
5464	643436.2	4165448.9	Worker	Scenario 2	3.11E-02	2.23E-04	--
5465	643536.2	4165448.9	Worker	Scenario 2	3.27E-02	2.27E-04	--
5466	643636.2	4165448.9	Worker	Scenario 2	3.40E-02	2.30E-04	--
5467	643736.2	4165448.9	Worker	Scenario 2	3.50E-02	2.33E-04	--
5468	643836.2	4165448.9	Worker	Scenario 2	3.60E-02	2.34E-04	--
5469	643936.2	4165448.9	Worker	Scenario 2	3.71E-02	2.35E-04	--
5470	644036.2	4165448.9	Worker	Scenario 2	3.83E-02	2.35E-04	--
5471	644136.2	4165448.9	Worker	Scenario 2	3.97E-02	2.36E-04	--
5472	644236.2	4165448.9	Worker	Scenario 2	4.10E-02	2.36E-04	--
5473	644336.2	4165448.9	Worker	Scenario 2	4.25E-02	2.36E-04	--
5474	644436.2	4165448.9	Worker	Scenario 2	4.71E-02	2.44E-04	--
5475	644536.2	4165448.9	Worker	Scenario 2	4.80E-02	2.43E-04	--
5476	644636.2	4165448.9	Worker	Scenario 2	4.51E-02	2.31E-04	--
5477	644736.2	4165448.9	Worker	Scenario 2	4.66E-02	2.31E-04	--
5478	644836.2	4165448.9	Worker	Scenario 2	4.44E-02	2.21E-04	--
5479	644936.2	4165448.9	Worker	Scenario 2	4.37E-02	2.14E-04	--
5480	645036.2	4165448.9	Worker	Scenario 2	4.39E-02	2.12E-04	--
5481	645136.2	4165448.9	Worker	Scenario 2	4.44E-02	2.09E-04	--
5482	645236.2	4165448.9	Worker	Scenario 2	4.48E-02	2.06E-04	--
5483	645336.2	4165448.9	Worker	Scenario 2	4.59E-02	2.05E-04	--
5484	645436.2	4165448.9	Worker	Scenario 2	4.48E-02	1.99E-04	--
5485	645536.2	4165448.9	Worker	Scenario 2	4.29E-02	1.90E-04	--
5486	645636.2	4165448.9	Worker	Scenario 2	4.21E-02	1.85E-04	--
5487	645936.2	4165448.9	Worker	Scenario 2	3.93E-02	1.71E-04	--
5488	646036.2	4165448.9	Worker	Scenario 2	3.92E-02	1.69E-04	--
5489	646136.2	4165448.9	Worker	Scenario 2	3.89E-02	1.66E-04	--
5490	646336.2	4165448.9	Worker	Scenario 2	3.86E-02	1.62E-04	--
5491	646436.2	4165448.9	Worker	Scenario 2	3.85E-02	1.60E-04	--
5492	639436.2	4165548.9	Worker	Scenario 2	4.36E-03	4.34E-05	--
5493	639536.2	4165548.9	Worker	Scenario 2	4.44E-03	4.44E-05	--
5494	639636.2	4165548.9	Worker	Scenario 2	4.72E-03	4.72E-05	--
5495	639736.2	4165548.9	Worker	Scenario 2	4.69E-03	4.74E-05	--
5496	639836.2	4165548.9	Worker	Scenario 2	4.84E-03	4.92E-05	--
5497	639936.2	4165548.9	Worker	Scenario 2	5.14E-03	5.24E-05	--
5498	640036.2	4165548.9	Worker	Scenario 2	5.06E-03	5.20E-05	--
5499	640136.2	4165548.9	Worker	Scenario 2	5.06E-03	5.25E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5500	640236.2	4165548.9	Worker	Scenario 2	5.24E-03	5.47E-05	--
5501	640336.2	4165548.9	Worker	Scenario 2	5.60E-03	5.87E-05	--
5502	640436.2	4165548.9	Worker	Scenario 2	5.85E-03	6.14E-05	--
5503	640536.2	4165548.9	Worker	Scenario 2	8.51E-03	8.12E-05	--
5504	640636.2	4165548.9	Worker	Scenario 2	7.48E-03	7.58E-05	--
5505	640736.2	4165548.9	Worker	Scenario 2	6.23E-03	6.57E-05	--
5506	640836.2	4165548.9	Worker	Scenario 2	6.51E-03	6.83E-05	--
5507	640936.2	4165548.9	Worker	Scenario 2	6.81E-03	7.09E-05	--
5508	641036.2	4165548.9	Worker	Scenario 2	6.60E-03	6.81E-05	--
5509	641136.2	4165548.9	Worker	Scenario 2	6.84E-03	6.99E-05	--
5510	641236.2	4165548.9	Worker	Scenario 2	7.12E-03	7.18E-05	--
5511	641336.2	4165548.9	Worker	Scenario 2	7.40E-03	7.38E-05	--
5512	641436.2	4165548.9	Worker	Scenario 2	7.83E-03	7.73E-05	--
5513	641536.2	4165548.9	Worker	Scenario 2	8.67E-03	8.67E-05	--
5514	641636.2	4165548.9	Worker	Scenario 2	1.01E-02	1.01E-04	--
5515	641736.2	4165548.9	Worker	Scenario 2	9.29E-03	9.55E-05	--
5516	641836.2	4165548.9	Worker	Scenario 2	9.80E-03	1.02E-04	--
5517	641936.2	4165548.9	Worker	Scenario 2	1.07E-02	1.12E-04	--
5518	642036.2	4165548.9	Worker	Scenario 2	1.12E-02	1.19E-04	--
5519	642136.2	4165548.9	Worker	Scenario 2	1.18E-02	1.26E-04	--
5520	642236.2	4165548.9	Worker	Scenario 2	1.28E-02	1.35E-04	--
5521	642336.2	4165548.9	Worker	Scenario 2	2.15E-02	1.79E-04	--
5522	642436.2	4165548.9	Worker	Scenario 2	1.49E-02	1.52E-04	--
5523	642536.2	4165548.9	Worker	Scenario 2	1.80E-02	1.70E-04	--
5524	642636.2	4165548.9	Worker	Scenario 2	1.69E-02	1.67E-04	--
5525	642736.2	4165548.9	Worker	Scenario 2	2.15E-02	1.90E-04	--
5526	643036.2	4165548.9	Worker	Scenario 2	2.65E-02	2.18E-04	--
5527	643136.2	4165548.9	Worker	Scenario 2	2.85E-02	2.25E-04	--
5528	643236.2	4165548.9	Worker	Scenario 2	3.07E-02	2.32E-04	--
5529	643336.2	4165548.9	Worker	Scenario 2	3.29E-02	2.38E-04	--
5530	643436.2	4165548.9	Worker	Scenario 2	3.42E-02	2.42E-04	--
5531	643536.2	4165548.9	Worker	Scenario 2	3.59E-02	2.46E-04	--
5532	643636.2	4165548.9	Worker	Scenario 2	3.72E-02	2.49E-04	--
5533	643736.2	4165548.9	Worker	Scenario 2	3.85E-02	2.51E-04	--
5534	643836.2	4165548.9	Worker	Scenario 2	3.96E-02	2.52E-04	--
5535	643936.2	4165548.9	Worker	Scenario 2	4.08E-02	2.52E-04	--
5536	644036.2	4165548.9	Worker	Scenario 2	4.24E-02	2.53E-04	--
5537	644136.2	4165548.9	Worker	Scenario 2	5.08E-02	2.72E-04	--
5538	644236.2	4165548.9	Worker	Scenario 2	5.28E-02	2.73E-04	--
5539	644336.2	4165548.9	Worker	Scenario 2	5.41E-02	2.71E-04	--
5540	644436.2	4165548.9	Worker	Scenario 2	5.50E-02	2.69E-04	--
5541	644536.2	4165548.9	Worker	Scenario 2	5.33E-02	2.59E-04	--
5542	644636.2	4165548.9	Worker	Scenario 2	4.90E-02	2.44E-04	--
5543	644736.2	4165548.9	Worker	Scenario 2	5.13E-02	2.43E-04	--
5544	644836.2	4165548.9	Worker	Scenario 2	5.12E-02	2.39E-04	--
5545	644936.2	4165548.9	Worker	Scenario 2	5.04E-02	2.33E-04	--
5546	645036.2	4165548.9	Worker	Scenario 2	4.64E-02	2.19E-04	--
5547	645136.2	4165548.9	Worker	Scenario 2	4.58E-02	2.14E-04	--
5548	645236.2	4165548.9	Worker	Scenario 2	4.72E-02	2.12E-04	--
5549	645336.2	4165548.9	Worker	Scenario 2	4.63E-02	2.06E-04	--
5550	645436.2	4165548.9	Worker	Scenario 2	4.61E-02	2.03E-04	--
5551	645536.2	4165548.9	Worker	Scenario 2	4.53E-02	1.97E-04	--
5552	645636.2	4165548.9	Worker	Scenario 2	4.47E-02	1.93E-04	--
5553	645936.2	4165548.9	Worker	Scenario 2	4.21E-02	1.79E-04	--
5554	646036.2	4165548.9	Worker	Scenario 2	4.19E-02	1.77E-04	--
5555	646136.2	4165548.9	Worker	Scenario 2	4.17E-02	1.74E-04	--
5556	646336.2	4165548.9	Worker	Scenario 2	4.14E-02	1.70E-04	--
5557	646436.2	4165548.9	Worker	Scenario 2	4.13E-02	1.68E-04	--
5558	646536.2	4165548.9	Worker	Scenario 2	4.12E-02	1.66E-04	--
5559	639236.2	4165648.9	Worker	Scenario 2	4.47E-03	4.37E-05	--
5560	639336.2	4165648.9	Worker	Scenario 2	4.93E-03	4.77E-05	--
5561	639436.2	4165648.9	Worker	Scenario 2	4.65E-03	4.59E-05	--
5562	639536.2	4165648.9	Worker	Scenario 2	4.50E-03	4.51E-05	--
5563	639636.2	4165648.9	Worker	Scenario 2	4.74E-03	4.75E-05	--
5564	639736.2	4165648.9	Worker	Scenario 2	4.99E-03	5.01E-05	--
5565	639836.2	4165648.9	Worker	Scenario 2	5.25E-03	5.29E-05	--
5566	639936.2	4165648.9	Worker	Scenario 2	5.34E-03	5.42E-05	--
5567	640036.2	4165648.9	Worker	Scenario 2	5.18E-03	5.31E-05	--
5568	640136.2	4165648.9	Worker	Scenario 2	5.29E-03	5.48E-05	--
5569	640236.2	4165648.9	Worker	Scenario 2	5.52E-03	5.75E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5570	640336.2	4165648.9	Worker	Scenario 2	6.01E-03	6.25E-05	--
5571	640436.2	4165648.9	Worker	Scenario 2	6.94E-03	7.10E-05	--
5572	640536.2	4165648.9	Worker	Scenario 2	7.86E-03	7.84E-05	--
5573	640636.2	4165648.9	Worker	Scenario 2	9.06E-03	8.69E-05	--
5574	640736.2	4165648.9	Worker	Scenario 2	6.33E-03	6.74E-05	--
5575	640836.2	4165648.9	Worker	Scenario 2	6.47E-03	6.87E-05	--
5576	640936.2	4165648.9	Worker	Scenario 2	8.13E-03	8.28E-05	--
5577	641036.2	4165648.9	Worker	Scenario 2	7.21E-03	7.55E-05	--
5578	641136.2	4165648.9	Worker	Scenario 2	7.43E-03	7.71E-05	--
5579	641236.2	4165648.9	Worker	Scenario 2	7.38E-03	7.57E-05	--
5580	641336.2	4165648.9	Worker	Scenario 2	8.00E-03	8.14E-05	--
5581	641436.2	4165648.9	Worker	Scenario 2	8.41E-03	8.51E-05	--
5582	641536.2	4165648.9	Worker	Scenario 2	8.93E-03	9.14E-05	--
5583	641636.2	4165648.9	Worker	Scenario 2	1.23E-02	1.20E-04	--
5584	641736.2	4165648.9	Worker	Scenario 2	1.02E-02	1.06E-04	--
5585	641836.2	4165648.9	Worker	Scenario 2	1.10E-02	1.18E-04	--
5586	641936.2	4165648.9	Worker	Scenario 2	1.23E-02	1.31E-04	--
5587	642036.2	4165648.9	Worker	Scenario 2	1.37E-02	1.43E-04	--
5588	642136.2	4165648.9	Worker	Scenario 2	1.47E-02	1.52E-04	--
5589	642236.2	4165648.9	Worker	Scenario 2	1.39E-02	1.48E-04	--
5590	642336.2	4165648.9	Worker	Scenario 2	1.79E-02	1.74E-04	--
5591	642436.2	4165648.9	Worker	Scenario 2	2.36E-02	2.00E-04	--
5592	642536.2	4165648.9	Worker	Scenario 2	2.09E-02	1.91E-04	--
5593	642636.2	4165648.9	Worker	Scenario 2	2.62E-02	2.15E-04	--
5594	642836.2	4165648.9	Worker	Scenario 2	2.76E-02	2.29E-04	--
5595	642936.2	4165648.9	Worker	Scenario 2	2.78E-02	2.32E-04	--
5596	643036.2	4165648.9	Worker	Scenario 2	2.91E-02	2.38E-04	--
5597	643136.2	4165648.9	Worker	Scenario 2	3.12E-02	2.46E-04	--
5598	643236.2	4165648.9	Worker	Scenario 2	3.38E-02	2.53E-04	--
5599	643336.2	4165648.9	Worker	Scenario 2	3.56E-02	2.58E-04	--
5600	643436.2	4165648.9	Worker	Scenario 2	3.78E-02	2.63E-04	--
5601	643536.2	4165648.9	Worker	Scenario 2	3.96E-02	2.67E-04	--
5602	643636.2	4165648.9	Worker	Scenario 2	4.11E-02	2.69E-04	--
5603	643736.2	4165648.9	Worker	Scenario 2	4.24E-02	2.71E-04	--
5604	643836.2	4165648.9	Worker	Scenario 2	4.69E-02	2.81E-04	--
5605	643936.2	4165648.9	Worker	Scenario 2	5.25E-02	2.91E-04	--
5606	644036.2	4165648.9	Worker	Scenario 2	5.37E-02	2.90E-04	--
5607	644136.2	4165648.9	Worker	Scenario 2	5.55E-02	2.89E-04	--
5608	644236.2	4165648.9	Worker	Scenario 2	5.74E-02	2.89E-04	--
5609	644336.2	4165648.9	Worker	Scenario 2	5.83E-02	2.86E-04	--
5610	644436.2	4165648.9	Worker	Scenario 2	5.90E-02	2.82E-04	--
5611	644536.2	4165648.9	Worker	Scenario 2	5.67E-02	2.71E-04	--
5612	644636.2	4165648.9	Worker	Scenario 2	5.31E-02	2.57E-04	--
5613	644736.2	4165648.9	Worker	Scenario 2	5.52E-02	2.55E-04	--
5614	644836.2	4165648.9	Worker	Scenario 2	5.39E-02	2.47E-04	--
5615	644936.2	4165648.9	Worker	Scenario 2	5.33E-02	2.41E-04	--
5616	645036.2	4165648.9	Worker	Scenario 2	5.55E-02	2.43E-04	--
5617	645136.2	4165648.9	Worker	Scenario 2	4.90E-02	2.23E-04	--
5618	645236.2	4165648.9	Worker	Scenario 2	4.79E-02	2.16E-04	--
5619	645336.2	4165648.9	Worker	Scenario 2	5.17E-02	2.22E-04	--
5620	645436.2	4165648.9	Worker	Scenario 2	4.91E-02	2.11E-04	--
5621	645536.2	4165648.9	Worker	Scenario 2	4.98E-02	2.11E-04	--
5622	645836.2	4165648.9	Worker	Scenario 2	4.56E-02	1.92E-04	--
5623	645936.2	4165648.9	Worker	Scenario 2	4.54E-02	1.89E-04	--
5624	646036.2	4165648.9	Worker	Scenario 2	4.52E-02	1.86E-04	--
5625	646136.2	4165648.9	Worker	Scenario 2	4.50E-02	1.83E-04	--
5626	646336.2	4165648.9	Worker	Scenario 2	4.46E-02	1.79E-04	--
5627	646436.2	4165648.9	Worker	Scenario 2	4.44E-02	1.77E-04	--
5628	646536.2	4165648.9	Worker	Scenario 2	4.43E-02	1.75E-04	--
5629	646636.2	4165648.9	Worker	Scenario 2	4.42E-02	1.73E-04	--
5630	639036.2	4165748.9	Worker	Scenario 2	4.14E-03	4.06E-05	--
5631	639136.2	4165748.9	Worker	Scenario 2	4.24E-03	4.17E-05	--
5632	639236.2	4165748.9	Worker	Scenario 2	4.55E-03	4.44E-05	--
5633	639336.2	4165748.9	Worker	Scenario 2	5.30E-03	5.06E-05	--
5634	639436.2	4165748.9	Worker	Scenario 2	4.74E-03	4.67E-05	--
5635	639536.2	4165748.9	Worker	Scenario 2	4.62E-03	4.63E-05	--
5636	639636.2	4165748.9	Worker	Scenario 2	4.76E-03	4.79E-05	--
5637	639736.2	4165748.9	Worker	Scenario 2	5.32E-03	5.30E-05	--
5638	639836.2	4165748.9	Worker	Scenario 2	5.78E-03	5.73E-05	--
5639	639936.2	4165748.9	Worker	Scenario 2	5.53E-03	5.60E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5640	640036.2	4165748.9	Worker	Scenario 2	5.60E-03	5.72E-05	--
5641	640136.2	4165748.9	Worker	Scenario 2	5.77E-03	5.93E-05	--
5642	640236.2	4165748.9	Worker	Scenario 2	5.71E-03	5.90E-05	--
5643	640336.2	4165748.9	Worker	Scenario 2	5.94E-03	6.22E-05	--
5644	640436.2	4165748.9	Worker	Scenario 2	6.20E-03	6.52E-05	--
5645	640536.2	4165748.9	Worker	Scenario 2	7.82E-03	7.92E-05	--
5646	640636.2	4165748.9	Worker	Scenario 2	1.12E-02	1.00E-04	--
5647	640736.2	4165748.9	Worker	Scenario 2	7.36E-03	7.77E-05	--
5648	640836.2	4165748.9	Worker	Scenario 2	6.85E-03	7.34E-05	--
5649	640936.2	4165748.9	Worker	Scenario 2	7.14E-03	7.63E-05	--
5650	641036.2	4165748.9	Worker	Scenario 2	8.82E-03	9.01E-05	--
5651	641136.2	4165748.9	Worker	Scenario 2	8.09E-03	8.49E-05	--
5652	641236.2	4165748.9	Worker	Scenario 2	7.86E-03	8.24E-05	--
5653	641336.2	4165748.9	Worker	Scenario 2	8.47E-03	8.79E-05	--
5654	641436.2	4165748.9	Worker	Scenario 2	9.22E-03	9.52E-05	--
5655	641536.2	4165748.9	Worker	Scenario 2	9.59E-03	1.01E-04	--
5656	641636.2	4165748.9	Worker	Scenario 2	1.43E-02	1.39E-04	--
5657	641736.2	4165748.9	Worker	Scenario 2	1.12E-02	1.21E-04	--
5658	641836.2	4165748.9	Worker	Scenario 2	1.24E-02	1.35E-04	--
5659	641936.2	4165748.9	Worker	Scenario 2	1.56E-02	1.60E-04	--
5660	642036.2	4165748.9	Worker	Scenario 2	1.69E-02	1.71E-04	--
5661	642136.2	4165748.9	Worker	Scenario 2	1.52E-02	1.65E-04	--
5662	642236.2	4165748.9	Worker	Scenario 2	1.77E-02	1.81E-04	--
5663	642336.2	4165748.9	Worker	Scenario 2	2.33E-02	2.07E-04	--
5664	642436.2	4165748.9	Worker	Scenario 2	2.81E-02	2.29E-04	--
5665	642536.2	4165748.9	Worker	Scenario 2	3.01E-02	2.41E-04	--
5666	642736.2	4165748.9	Worker	Scenario 2	3.07E-02	2.50E-04	--
5667	642836.2	4165748.9	Worker	Scenario 2	3.05E-02	2.53E-04	--
5668	642936.2	4165748.9	Worker	Scenario 2	3.09E-02	2.56E-04	--
5669	643036.2	4165748.9	Worker	Scenario 2	3.21E-02	2.61E-04	--
5670	643136.2	4165748.9	Worker	Scenario 2	3.44E-02	2.69E-04	--
5671	643236.2	4165748.9	Worker	Scenario 2	3.73E-02	2.77E-04	--
5672	643336.2	4165748.9	Worker	Scenario 2	3.95E-02	2.82E-04	--
5673	643436.2	4165748.9	Worker	Scenario 2	4.18E-02	2.87E-04	--
5674	643536.2	4165748.9	Worker	Scenario 2	4.42E-02	2.92E-04	--
5675	643636.2	4165748.9	Worker	Scenario 2	5.28E-02	3.14E-04	--
5676	643736.2	4165748.9	Worker	Scenario 2	5.44E-02	3.14E-04	--
5677	643836.2	4165748.9	Worker	Scenario 2	5.62E-02	3.14E-04	--
5678	643936.2	4165748.9	Worker	Scenario 2	5.79E-02	3.13E-04	--
5679	644036.2	4165748.9	Worker	Scenario 2	5.95E-02	3.11E-04	--
5680	644136.2	4165748.9	Worker	Scenario 2	6.08E-02	3.08E-04	--
5681	644236.2	4165748.9	Worker	Scenario 2	6.19E-02	3.05E-04	--
5682	644336.2	4165748.9	Worker	Scenario 2	6.27E-02	3.01E-04	--
5683	644436.2	4165748.9	Worker	Scenario 2	6.37E-02	2.97E-04	--
5684	644536.2	4165748.9	Worker	Scenario 2	5.99E-02	2.83E-04	--
5685	644636.2	4165748.9	Worker	Scenario 2	5.75E-02	2.71E-04	--
5686	644736.2	4165748.9	Worker	Scenario 2	5.94E-02	2.68E-04	--
5687	644836.2	4165748.9	Worker	Scenario 2	5.76E-02	2.58E-04	--
5688	644936.2	4165748.9	Worker	Scenario 2	5.62E-02	2.49E-04	--
5689	645036.2	4165748.9	Worker	Scenario 2	5.98E-02	2.56E-04	--
5690	645136.2	4165748.9	Worker	Scenario 2	5.45E-02	2.38E-04	--
5691	645236.2	4165748.9	Worker	Scenario 2	5.17E-02	2.27E-04	--
5692	645336.2	4165748.9	Worker	Scenario 2	5.04E-02	2.20E-04	--
5693	645736.2	4165748.9	Worker	Scenario 2	4.95E-02	2.05E-04	--
5694	645836.2	4165748.9	Worker	Scenario 2	4.93E-02	2.02E-04	--
5695	645936.2	4165748.9	Worker	Scenario 2	4.91E-02	1.99E-04	--
5696	646036.2	4165748.9	Worker	Scenario 2	4.89E-02	1.97E-04	--
5697	646136.2	4165748.9	Worker	Scenario 2	4.86E-02	1.94E-04	--
5698	646336.2	4165748.9	Worker	Scenario 2	4.81E-02	1.89E-04	--
5699	646436.2	4165748.9	Worker	Scenario 2	4.79E-02	1.87E-04	--
5700	646536.2	4165748.9	Worker	Scenario 2	4.77E-02	1.85E-04	--
5701	646636.2	4165748.9	Worker	Scenario 2	4.75E-02	1.83E-04	--
5702	638936.2	4165848.9	Worker	Scenario 2	4.19E-03	4.08E-05	--
5703	639036.2	4165848.9	Worker	Scenario 2	4.27E-03	4.17E-05	--
5704	639136.2	4165848.9	Worker	Scenario 2	4.42E-03	4.33E-05	--
5705	639236.2	4165848.9	Worker	Scenario 2	4.60E-03	4.50E-05	--
5706	639336.2	4165848.9	Worker	Scenario 2	5.19E-03	5.00E-05	--
5707	639436.2	4165848.9	Worker	Scenario 2	5.29E-03	5.14E-05	--
5708	639536.2	4165848.9	Worker	Scenario 2	4.92E-03	4.89E-05	--
5709	639636.2	4165848.9	Worker	Scenario 2	4.91E-03	4.94E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5710	639736.2	4165848.9	Worker	Scenario 2	5.10E-03	5.13E-05	--
5711	639836.2	4165848.9	Worker	Scenario 2	5.47E-03	5.51E-05	--
5712	639936.2	4165848.9	Worker	Scenario 2	5.97E-03	5.99E-05	--
5713	640036.2	4165848.9	Worker	Scenario 2	6.48E-03	6.46E-05	--
5714	640136.2	4165848.9	Worker	Scenario 2	5.77E-03	5.97E-05	--
5715	640236.2	4165848.9	Worker	Scenario 2	5.87E-03	6.09E-05	--
5716	640336.2	4165848.9	Worker	Scenario 2	6.12E-03	6.40E-05	--
5717	640436.2	4165848.9	Worker	Scenario 2	6.31E-03	6.63E-05	--
5718	640536.2	4165848.9	Worker	Scenario 2	6.97E-03	7.33E-05	--
5719	640636.2	4165848.9	Worker	Scenario 2	9.34E-03	9.17E-05	--
5720	640736.2	4165848.9	Worker	Scenario 2	1.28E-02	1.12E-04	--
5721	640836.2	4165848.9	Worker	Scenario 2	9.46E-03	9.55E-05	--
5722	640936.2	4165848.9	Worker	Scenario 2	8.28E-03	8.80E-05	--
5723	641036.2	4165848.9	Worker	Scenario 2	8.10E-03	8.69E-05	--
5724	641136.2	4165848.9	Worker	Scenario 2	1.18E-02	1.11E-04	--
5725	641236.2	4165848.9	Worker	Scenario 2	9.36E-03	9.77E-05	--
5726	641336.2	4165848.9	Worker	Scenario 2	9.23E-03	9.78E-05	--
5727	641436.2	4165848.9	Worker	Scenario 2	1.09E-02	1.12E-04	--
5728	641536.2	4165848.9	Worker	Scenario 2	1.08E-02	1.16E-04	--
5729	641636.2	4165848.9	Worker	Scenario 2	1.64E-02	1.60E-04	--
5730	641736.2	4165848.9	Worker	Scenario 2	1.30E-02	1.43E-04	--
5731	641836.2	4165848.9	Worker	Scenario 2	1.46E-02	1.60E-04	--
5732	641936.2	4165848.9	Worker	Scenario 2	1.70E-02	1.80E-04	--
5733	642036.2	4165848.9	Worker	Scenario 2	2.10E-02	2.04E-04	--
5734	642136.2	4165848.9	Worker	Scenario 2	2.47E-02	2.23E-04	--
5735	642236.2	4165848.9	Worker	Scenario 2	2.92E-02	2.43E-04	--
5736	642336.2	4165848.9	Worker	Scenario 2	3.11E-02	2.54E-04	--
5737	642636.2	4165848.9	Worker	Scenario 2	3.37E-02	2.73E-04	--
5738	642736.2	4165848.9	Worker	Scenario 2	3.39E-02	2.77E-04	--
5739	642836.2	4165848.9	Worker	Scenario 2	3.39E-02	2.79E-04	--
5740	642936.2	4165848.9	Worker	Scenario 2	3.44E-02	2.83E-04	--
5741	643036.2	4165848.9	Worker	Scenario 2	3.57E-02	2.88E-04	--
5742	643136.2	4165848.9	Worker	Scenario 2	3.77E-02	2.94E-04	--
5743	643236.2	4165848.9	Worker	Scenario 2	4.10E-02	3.02E-04	--
5744	643336.2	4165848.9	Worker	Scenario 2	4.41E-02	3.09E-04	--
5745	643436.2	4165848.9	Worker	Scenario 2	4.98E-02	3.25E-04	--
5746	643536.2	4165848.9	Worker	Scenario 2	5.80E-02	3.43E-04	--
5747	643636.2	4165848.9	Worker	Scenario 2	5.23E-02	3.23E-04	--
5748	643736.2	4165848.9	Worker	Scenario 2	5.29E-02	3.19E-04	--
5749	643836.2	4165848.9	Worker	Scenario 2	5.50E-02	3.19E-04	--
5750	643936.2	4165848.9	Worker	Scenario 2	5.72E-02	3.19E-04	--
5751	644036.2	4165848.9	Worker	Scenario 2	5.96E-02	3.19E-04	--
5752	644136.2	4165848.9	Worker	Scenario 2	6.16E-02	3.17E-04	--
5753	644236.2	4165848.9	Worker	Scenario 2	6.33E-02	3.15E-04	--
5754	644336.2	4165848.9	Worker	Scenario 2	6.43E-02	3.10E-04	--
5755	644436.2	4165848.9	Worker	Scenario 2	6.44E-02	3.04E-04	--
5756	644536.2	4165848.9	Worker	Scenario 2	6.35E-02	2.95E-04	--
5757	644636.2	4165848.9	Worker	Scenario 2	6.22E-02	2.86E-04	--
5758	644736.2	4165848.9	Worker	Scenario 2	6.35E-02	2.80E-04	--
5759	644836.2	4165848.9	Worker	Scenario 2	6.20E-02	2.71E-04	--
5760	644936.2	4165848.9	Worker	Scenario 2	6.48E-02	2.75E-04	--
5761	645036.2	4165848.9	Worker	Scenario 2	5.99E-02	2.58E-04	--
5762	645436.2	4165848.9	Worker	Scenario 2	5.46E-02	2.28E-04	--
5763	645536.2	4165848.9	Worker	Scenario 2	5.43E-02	2.25E-04	--
5764	645636.2	4165848.9	Worker	Scenario 2	5.40E-02	2.21E-04	--
5765	645736.2	4165848.9	Worker	Scenario 2	5.37E-02	2.17E-04	--
5766	645836.2	4165848.9	Worker	Scenario 2	5.35E-02	2.14E-04	--
5767	645936.2	4165848.9	Worker	Scenario 2	5.33E-02	2.11E-04	--
5768	646036.2	4165848.9	Worker	Scenario 2	5.31E-02	2.09E-04	--
5769	646136.2	4165848.9	Worker	Scenario 2	5.28E-02	2.06E-04	--
5770	646336.2	4165848.9	Worker	Scenario 2	5.22E-02	2.00E-04	--
5771	646436.2	4165848.9	Worker	Scenario 2	5.18E-02	1.98E-04	--
5772	646536.2	4165848.9	Worker	Scenario 2	5.15E-02	1.95E-04	--
5773	646636.2	4165848.9	Worker	Scenario 2	5.12E-02	1.93E-04	--
5774	646736.2	4165848.9	Worker	Scenario 2	5.08E-02	1.91E-04	--
5775	638736.2	4165948.9	Worker	Scenario 2	4.21E-03	4.04E-05	--
5776	638836.2	4165948.9	Worker	Scenario 2	4.65E-03	4.39E-05	--
5777	638936.2	4165948.9	Worker	Scenario 2	4.46E-03	4.29E-05	--
5778	639036.2	4165948.9	Worker	Scenario 2	4.52E-03	4.37E-05	--
5779	639136.2	4165948.9	Worker	Scenario 2	4.68E-03	4.53E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5780	639236.2	4165948.9	Worker	Scenario 2	4.77E-03	4.65E-05	--
5781	639336.2	4165948.9	Worker	Scenario 2	5.33E-03	5.12E-05	--
5782	639436.2	4165948.9	Worker	Scenario 2	5.42E-03	5.25E-05	--
5783	639536.2	4165948.9	Worker	Scenario 2	4.93E-03	4.92E-05	--
5784	639636.2	4165948.9	Worker	Scenario 2	5.14E-03	5.13E-05	--
5785	639736.2	4165948.9	Worker	Scenario 2	5.31E-03	5.34E-05	--
5786	639836.2	4165948.9	Worker	Scenario 2	5.50E-03	5.56E-05	--
5787	639936.2	4165948.9	Worker	Scenario 2	5.71E-03	5.78E-05	--
5788	640036.2	4165948.9	Worker	Scenario 2	6.95E-03	6.84E-05	--
5789	640136.2	4165948.9	Worker	Scenario 2	6.14E-03	6.32E-05	--
5790	640236.2	4165948.9	Worker	Scenario 2	6.32E-03	6.56E-05	--
5791	640336.2	4165948.9	Worker	Scenario 2	6.62E-03	6.91E-05	--
5792	640436.2	4165948.9	Worker	Scenario 2	6.99E-03	7.31E-05	--
5793	640536.2	4165948.9	Worker	Scenario 2	7.83E-03	8.12E-05	--
5794	640636.2	4165948.9	Worker	Scenario 2	9.10E-03	9.18E-05	--
5795	640736.2	4165948.9	Worker	Scenario 2	1.08E-02	1.04E-04	--
5796	640836.2	4165948.9	Worker	Scenario 2	1.44E-02	1.26E-04	--
5797	640936.2	4165948.9	Worker	Scenario 2	1.49E-02	1.31E-04	--
5798	641036.2	4165948.9	Worker	Scenario 2	1.41E-02	1.27E-04	--
5799	641136.2	4165948.9	Worker	Scenario 2	9.86E-03	1.04E-04	--
5800	641236.2	4165948.9	Worker	Scenario 2	1.08E-02	1.12E-04	--
5801	641336.2	4165948.9	Worker	Scenario 2	1.10E-02	1.15E-04	--
5802	641436.2	4165948.9	Worker	Scenario 2	1.40E-02	1.38E-04	--
5803	641536.2	4165948.9	Worker	Scenario 2	1.48E-02	1.53E-04	--
5804	641636.2	4165948.9	Worker	Scenario 2	1.83E-02	1.83E-04	--
5805	641736.2	4165948.9	Worker	Scenario 2	1.98E-02	1.99E-04	--
5806	641836.2	4165948.9	Worker	Scenario 2	2.32E-02	2.24E-04	--
5807	642136.2	4165948.9	Worker	Scenario 2	3.15E-02	2.74E-04	--
5808	642236.2	4165948.9	Worker	Scenario 2	3.29E-02	2.81E-04	--
5809	642436.2	4165948.9	Worker	Scenario 2	3.52E-02	2.88E-04	--
5810	642536.2	4165948.9	Worker	Scenario 2	3.62E-02	2.94E-04	--
5811	642636.2	4165948.9	Worker	Scenario 2	3.71E-02	3.01E-04	--
5812	642736.2	4165948.9	Worker	Scenario 2	3.75E-02	3.06E-04	--
5813	642836.2	4165948.9	Worker	Scenario 2	3.77E-02	3.09E-04	--
5814	642936.2	4165948.9	Worker	Scenario 2	3.83E-02	3.13E-04	--
5815	643036.2	4165948.9	Worker	Scenario 2	3.96E-02	3.18E-04	--
5816	643136.2	4165948.9	Worker	Scenario 2	4.24E-02	3.25E-04	--
5817	643236.2	4165948.9	Worker	Scenario 2	4.59E-02	3.32E-04	--
5818	643336.2	4165948.9	Worker	Scenario 2	5.25E-02	3.50E-04	--
5819	643436.2	4165948.9	Worker	Scenario 2	5.82E-02	3.62E-04	--
5820	643536.2	4165948.9	Worker	Scenario 2	5.52E-02	3.47E-04	--
5821	643636.2	4165948.9	Worker	Scenario 2	5.76E-02	3.48E-04	--
5822	643736.2	4165948.9	Worker	Scenario 2	5.99E-02	3.48E-04	--
5823	643836.2	4165948.9	Worker	Scenario 2	6.24E-02	3.48E-04	--
5824	643936.2	4165948.9	Worker	Scenario 2	6.51E-02	3.47E-04	--
5825	644036.2	4165948.9	Worker	Scenario 2	6.77E-02	3.46E-04	--
5826	644136.2	4165948.9	Worker	Scenario 2	6.96E-02	3.43E-04	--
5827	644236.2	4165948.9	Worker	Scenario 2	7.08E-02	3.39E-04	--
5828	644336.2	4165948.9	Worker	Scenario 2	7.11E-02	3.32E-04	--
5829	644436.2	4165948.9	Worker	Scenario 2	6.97E-02	3.20E-04	--
5830	644536.2	4165948.9	Worker	Scenario 2	6.84E-02	3.10E-04	--
5831	644636.2	4165948.9	Worker	Scenario 2	6.74E-02	3.01E-04	--
5832	644736.2	4165948.9	Worker	Scenario 2	6.62E-02	2.92E-04	--
5833	645236.2	4165948.9	Worker	Scenario 2	6.09E-02	2.54E-04	--
5834	645336.2	4165948.9	Worker	Scenario 2	6.04E-02	2.48E-04	--
5835	645436.2	4165948.9	Worker	Scenario 2	5.97E-02	2.43E-04	--
5836	645536.2	4165948.9	Worker	Scenario 2	5.93E-02	2.39E-04	--
5837	645636.2	4165948.9	Worker	Scenario 2	5.90E-02	2.35E-04	--
5838	645736.2	4165948.9	Worker	Scenario 2	5.87E-02	2.31E-04	--
5839	645836.2	4165948.9	Worker	Scenario 2	5.85E-02	2.28E-04	--
5840	645936.2	4165948.9	Worker	Scenario 2	5.82E-02	2.25E-04	--
5841	646036.2	4165948.9	Worker	Scenario 2	5.79E-02	2.22E-04	--
5842	646136.2	4165948.9	Worker	Scenario 2	5.75E-02	2.19E-04	--
5843	646336.2	4165948.9	Worker	Scenario 2	5.67E-02	2.13E-04	--
5844	646436.2	4165948.9	Worker	Scenario 2	5.62E-02	2.10E-04	--
5845	646536.2	4165948.9	Worker	Scenario 2	5.57E-02	2.07E-04	--
5846	646636.2	4165948.9	Worker	Scenario 2	5.52E-02	2.04E-04	--
5847	646736.2	4165948.9	Worker	Scenario 2	5.47E-02	2.01E-04	--
5848	638536.2	4166048.9	Worker	Scenario 2	4.82E-03	4.47E-05	--
5849	638636.2	4166048.9	Worker	Scenario 2	4.41E-03	4.21E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5850	638736.2	4166048.9	Worker	Scenario 2	4.34E-03	4.17E-05	--
5851	638836.2	4166048.9	Worker	Scenario 2	4.72E-03	4.48E-05	--
5852	638936.2	4166048.9	Worker	Scenario 2	4.84E-03	4.60E-05	--
5853	639036.2	4166048.9	Worker	Scenario 2	4.75E-03	4.56E-05	--
5854	639136.2	4166048.9	Worker	Scenario 2	4.78E-03	4.61E-05	--
5855	639236.2	4166048.9	Worker	Scenario 2	4.94E-03	4.79E-05	--
5856	639336.2	4166048.9	Worker	Scenario 2	5.57E-03	5.30E-05	--
5857	639436.2	4166048.9	Worker	Scenario 2	5.56E-03	5.37E-05	--
5858	639536.2	4166048.9	Worker	Scenario 2	5.11E-03	5.08E-05	--
5859	639636.2	4166048.9	Worker	Scenario 2	5.35E-03	5.33E-05	--
5860	639736.2	4166048.9	Worker	Scenario 2	5.47E-03	5.49E-05	--
5861	639836.2	4166048.9	Worker	Scenario 2	5.74E-03	5.79E-05	--
5862	639936.2	4166048.9	Worker	Scenario 2	5.94E-03	5.99E-05	--
5863	640036.2	4166048.9	Worker	Scenario 2	6.18E-03	6.31E-05	--
5864	640136.2	4166048.9	Worker	Scenario 2	8.18E-03	7.84E-05	--
5865	640236.2	4166048.9	Worker	Scenario 2	7.14E-03	7.29E-05	--
5866	640336.2	4166048.9	Worker	Scenario 2	7.16E-03	7.43E-05	--
5867	640436.2	4166048.9	Worker	Scenario 2	7.45E-03	7.78E-05	--
5868	640536.2	4166048.9	Worker	Scenario 2	7.67E-03	8.10E-05	--
5869	640636.2	4166048.9	Worker	Scenario 2	8.79E-03	9.13E-05	--
5870	640736.2	4166048.9	Worker	Scenario 2	1.03E-02	1.03E-04	--
5871	640836.2	4166048.9	Worker	Scenario 2	1.28E-02	1.21E-04	--
5872	640936.2	4166048.9	Worker	Scenario 2	1.43E-02	1.32E-04	--
5873	641036.2	4166048.9	Worker	Scenario 2	1.80E-02	1.54E-04	--
5874	641136.2	4166048.9	Worker	Scenario 2	1.42E-02	1.36E-04	--
5875	641236.2	4166048.9	Worker	Scenario 2	1.61E-02	1.48E-04	--
5876	641336.2	4166048.9	Worker	Scenario 2	1.83E-02	1.63E-04	--
5877	641436.2	4166048.9	Worker	Scenario 2	2.03E-02	1.82E-04	--
5878	641636.2	4166048.9	Worker	Scenario 2	2.53E-02	2.42E-04	--
5879	641736.2	4166048.9	Worker	Scenario 2	2.66E-02	2.59E-04	--
5880	641836.2	4166048.9	Worker	Scenario 2	2.96E-02	2.82E-04	--
5881	641936.2	4166048.9	Worker	Scenario 2	3.15E-02	2.95E-04	--
5882	642036.2	4166048.9	Worker	Scenario 2	3.29E-02	3.02E-04	--
5883	642136.2	4166048.9	Worker	Scenario 2	3.43E-02	3.07E-04	--
5884	642336.2	4166048.9	Worker	Scenario 2	3.72E-02	3.16E-04	--
5885	642436.2	4166048.9	Worker	Scenario 2	3.86E-02	3.20E-04	--
5886	642536.2	4166048.9	Worker	Scenario 2	4.00E-02	3.27E-04	--
5887	642636.2	4166048.9	Worker	Scenario 2	4.11E-02	3.34E-04	--
5888	642736.2	4166048.9	Worker	Scenario 2	4.18E-02	3.40E-04	--
5889	642836.2	4166048.9	Worker	Scenario 2	4.18E-02	3.44E-04	--
5890	642936.2	4166048.9	Worker	Scenario 2	4.28E-02	3.48E-04	--
5891	643036.2	4166048.9	Worker	Scenario 2	4.47E-02	3.53E-04	--
5892	643136.2	4166048.9	Worker	Scenario 2	4.78E-02	3.60E-04	--
5893	643236.2	4166048.9	Worker	Scenario 2	5.23E-02	3.69E-04	--
5894	643336.2	4166048.9	Worker	Scenario 2	5.64E-02	3.76E-04	--
5895	643436.2	4166048.9	Worker	Scenario 2	5.97E-02	3.80E-04	--
5896	643536.2	4166048.9	Worker	Scenario 2	6.28E-02	3.82E-04	--
5897	643636.2	4166048.9	Worker	Scenario 2	6.58E-02	3.82E-04	--
5898	643736.2	4166048.9	Worker	Scenario 2	6.89E-02	3.83E-04	--
5899	643836.2	4166048.9	Worker	Scenario 2	7.15E-02	3.81E-04	--
5900	643936.2	4166048.9	Worker	Scenario 2	7.47E-02	3.80E-04	--
5901	644036.2	4166048.9	Worker	Scenario 2	7.72E-02	3.77E-04	--
5902	644136.2	4166048.9	Worker	Scenario 2	7.89E-02	3.73E-04	--
5903	644236.2	4166048.9	Worker	Scenario 2	7.93E-02	3.65E-04	--
5904	644336.2	4166048.9	Worker	Scenario 2	7.88E-02	3.55E-04	--
5905	644936.2	4166048.9	Worker	Scenario 2	6.96E-02	2.91E-04	--
5906	645036.2	4166048.9	Worker	Scenario 2	6.86E-02	2.84E-04	--
5907	645136.2	4166048.9	Worker	Scenario 2	6.77E-02	2.77E-04	--
5908	645236.2	4166048.9	Worker	Scenario 2	6.69E-02	2.70E-04	--
5909	645336.2	4166048.9	Worker	Scenario 2	6.65E-02	2.66E-04	--
5910	645436.2	4166048.9	Worker	Scenario 2	6.55E-02	2.60E-04	--
5911	645536.2	4166048.9	Worker	Scenario 2	6.52E-02	2.55E-04	--
5912	645636.2	4166048.9	Worker	Scenario 2	6.49E-02	2.52E-04	--
5913	645736.2	4166048.9	Worker	Scenario 2	6.45E-02	2.48E-04	--
5914	645836.2	4166048.9	Worker	Scenario 2	6.42E-02	2.44E-04	--
5915	645936.2	4166048.9	Worker	Scenario 2	6.38E-02	2.41E-04	--
5916	646036.2	4166048.9	Worker	Scenario 2	6.34E-02	2.37E-04	--
5917	646136.2	4166048.9	Worker	Scenario 2	6.28E-02	2.34E-04	--
5918	646336.2	4166048.9	Worker	Scenario 2	6.17E-02	2.27E-04	--
5919	646436.2	4166048.9	Worker	Scenario 2	6.10E-02	2.23E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5920	646536.2	4166048.9	Worker	Scenario 2	6.03E-02	2.20E-04	--
5921	646636.2	4166048.9	Worker	Scenario 2	5.97E-02	2.16E-04	--
5922	646736.2	4166048.9	Worker	Scenario 2	5.89E-02	2.13E-04	--
5923	646836.2	4166048.9	Worker	Scenario 2	5.81E-02	2.09E-04	--
5924	638436.2	4166148.9	Worker	Scenario 2	4.56E-03	4.33E-05	--
5925	638536.2	4166148.9	Worker	Scenario 2	4.75E-03	4.48E-05	--
5926	638636.2	4166148.9	Worker	Scenario 2	4.51E-03	4.32E-05	--
5927	638736.2	4166148.9	Worker	Scenario 2	4.49E-03	4.32E-05	--
5928	638836.2	4166148.9	Worker	Scenario 2	4.74E-03	4.54E-05	--
5929	638936.2	4166148.9	Worker	Scenario 2	5.24E-03	4.91E-05	--
5930	639036.2	4166148.9	Worker	Scenario 2	5.13E-03	4.88E-05	--
5931	639136.2	4166148.9	Worker	Scenario 2	4.88E-03	4.72E-05	--
5932	639236.2	4166148.9	Worker	Scenario 2	5.05E-03	4.88E-05	--
5933	639336.2	4166148.9	Worker	Scenario 2	5.50E-03	5.29E-05	--
5934	639436.2	4166148.9	Worker	Scenario 2	6.21E-03	5.84E-05	--
5935	639536.2	4166148.9	Worker	Scenario 2	5.55E-03	5.45E-05	--
5936	639636.2	4166148.9	Worker	Scenario 2	5.91E-03	5.79E-05	--
5937	639736.2	4166148.9	Worker	Scenario 2	5.92E-03	5.88E-05	--
5938	639836.2	4166148.9	Worker	Scenario 2	6.25E-03	6.22E-05	--
5939	639936.2	4166148.9	Worker	Scenario 2	6.78E-03	6.73E-05	--
5940	640036.2	4166148.9	Worker	Scenario 2	6.93E-03	6.96E-05	--
5941	640136.2	4166148.9	Worker	Scenario 2	8.52E-03	8.15E-05	--
5942	640236.2	4166148.9	Worker	Scenario 2	8.23E-03	8.15E-05	--
5943	640336.2	4166148.9	Worker	Scenario 2	7.40E-03	7.71E-05	--
5944	640436.2	4166148.9	Worker	Scenario 2	8.69E-03	8.82E-05	--
5945	640536.2	4166148.9	Worker	Scenario 2	8.53E-03	8.90E-05	--
5946	640636.2	4166148.9	Worker	Scenario 2	9.66E-03	9.93E-05	--
5947	640736.2	4166148.9	Worker	Scenario 2	1.12E-02	1.12E-04	--
5948	640836.2	4166148.9	Worker	Scenario 2	1.41E-02	1.32E-04	--
5949	640936.2	4166148.9	Worker	Scenario 2	1.70E-02	1.52E-04	--
5950	641036.2	4166148.9	Worker	Scenario 2	1.92E-02	1.68E-04	--
5951	641136.2	4166148.9	Worker	Scenario 2	2.14E-02	1.84E-04	--
5952	641236.2	4166148.9	Worker	Scenario 2	2.15E-02	1.89E-04	--
5953	641336.2	4166148.9	Worker	Scenario 2	2.37E-02	2.08E-04	--
5954	641436.2	4166148.9	Worker	Scenario 2	2.63E-02	2.37E-04	--
5955	641536.2	4166148.9	Worker	Scenario 2	2.89E-02	2.76E-04	--
5956	641636.2	4166148.9	Worker	Scenario 2	3.05E-02	3.04E-04	--
5957	641736.2	4166148.9	Worker	Scenario 2	3.17E-02	3.21E-04	--
5958	641836.2	4166148.9	Worker	Scenario 2	3.36E-02	3.34E-04	--
5959	641936.2	4166148.9	Worker	Scenario 2	3.52E-02	3.40E-04	--
5960	642236.2	4166148.9	Worker	Scenario 2	3.92E-02	3.49E-04	--
5961	642336.2	4166148.9	Worker	Scenario 2	4.08E-02	3.53E-04	--
5962	642436.2	4166148.9	Worker	Scenario 2	4.25E-02	3.58E-04	--
5963	642536.2	4166148.9	Worker	Scenario 2	4.43E-02	3.66E-04	--
5964	642636.2	4166148.9	Worker	Scenario 2	4.60E-02	3.74E-04	--
5965	642736.2	4166148.9	Worker	Scenario 2	4.65E-02	3.80E-04	--
5966	642836.2	4166148.9	Worker	Scenario 2	4.73E-02	3.84E-04	--
5967	642936.2	4166148.9	Worker	Scenario 2	4.86E-02	3.89E-04	--
5968	643036.2	4166148.9	Worker	Scenario 2	5.09E-02	3.94E-04	--
5969	644536.2	4166148.9	Worker	Scenario 2	8.27E-02	3.52E-04	--
5970	644636.2	4166148.9	Worker	Scenario 2	8.10E-02	3.41E-04	--
5971	644736.2	4166148.9	Worker	Scenario 2	7.94E-02	3.30E-04	--
5972	644836.2	4166148.9	Worker	Scenario 2	7.79E-02	3.20E-04	--
5973	644936.2	4166148.9	Worker	Scenario 2	7.68E-02	3.12E-04	--
5974	645036.2	4166148.9	Worker	Scenario 2	7.59E-02	3.04E-04	--
5975	645136.2	4166148.9	Worker	Scenario 2	7.50E-02	2.97E-04	--
5976	645236.2	4166148.9	Worker	Scenario 2	7.41E-02	2.91E-04	--
5977	645336.2	4166148.9	Worker	Scenario 2	7.38E-02	2.86E-04	--
5978	645436.2	4166148.9	Worker	Scenario 2	7.25E-02	2.79E-04	--
5979	645536.2	4166148.9	Worker	Scenario 2	7.21E-02	2.75E-04	--
5980	645636.2	4166148.9	Worker	Scenario 2	7.17E-02	2.70E-04	--
5981	645736.2	4166148.9	Worker	Scenario 2	7.12E-02	2.66E-04	--
5982	645836.2	4166148.9	Worker	Scenario 2	7.07E-02	2.62E-04	--
5983	645936.2	4166148.9	Worker	Scenario 2	7.01E-02	2.58E-04	--
5984	646036.2	4166148.9	Worker	Scenario 2	6.95E-02	2.54E-04	--
5985	646136.2	4166148.9	Worker	Scenario 2	6.88E-02	2.50E-04	--
5986	646336.2	4166148.9	Worker	Scenario 2	6.72E-02	2.42E-04	--
5987	646436.2	4166148.9	Worker	Scenario 2	6.63E-02	2.38E-04	--
5988	646536.2	4166148.9	Worker	Scenario 2	6.53E-02	2.33E-04	--
5989	646636.2	4166148.9	Worker	Scenario 2	6.44E-02	2.29E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5990	646736.2	4166148.9	Worker	Scenario 2	6.33E-02	2.25E-04	--
5991	646836.2	4166148.9	Worker	Scenario 2	6.20E-02	2.20E-04	--
5992	638236.2	4166248.9	Worker	Scenario 2	4.49E-03	4.31E-05	--
5993	638336.2	4166248.9	Worker	Scenario 2	4.96E-03	4.68E-05	--
5994	638436.2	4166248.9	Worker	Scenario 2	4.97E-03	4.68E-05	--
5995	638536.2	4166248.9	Worker	Scenario 2	4.81E-03	4.59E-05	--
5996	638636.2	4166248.9	Worker	Scenario 2	4.61E-03	4.45E-05	--
5997	638736.2	4166248.9	Worker	Scenario 2	4.68E-03	4.52E-05	--
5998	638836.2	4166248.9	Worker	Scenario 2	5.28E-03	4.97E-05	--
5999	638936.2	4166248.9	Worker	Scenario 2	5.17E-03	4.93E-05	--
6000	639036.2	4166248.9	Worker	Scenario 2	4.99E-03	4.79E-05	--
6001	639136.2	4166248.9	Worker	Scenario 2	5.11E-03	4.93E-05	--
6002	639236.2	4166248.9	Worker	Scenario 2	5.47E-03	5.25E-05	--
6003	639336.2	4166248.9	Worker	Scenario 2	5.58E-03	5.38E-05	--
6004	639436.2	4166248.9	Worker	Scenario 2	7.71E-03	6.76E-05	--
6005	639536.2	4166248.9	Worker	Scenario 2	6.10E-03	5.88E-05	--
6006	639636.2	4166248.9	Worker	Scenario 2	6.70E-03	6.38E-05	--
6007	639736.2	4166248.9	Worker	Scenario 2	6.80E-03	6.55E-05	--
6008	639836.2	4166248.9	Worker	Scenario 2	7.67E-03	7.22E-05	--
6009	639936.2	4166248.9	Worker	Scenario 2	8.15E-03	7.66E-05	--
6010	640036.2	4166248.9	Worker	Scenario 2	7.41E-03	7.35E-05	--
6011	640136.2	4166248.9	Worker	Scenario 2	8.10E-03	7.98E-05	--
6012	640236.2	4166248.9	Worker	Scenario 2	9.06E-03	8.78E-05	--
6013	640336.2	4166248.9	Worker	Scenario 2	9.32E-03	9.17E-05	--
6014	640436.2	4166248.9	Worker	Scenario 2	1.13E-02	1.06E-04	--
6015	640536.2	4166248.9	Worker	Scenario 2	1.26E-02	1.16E-04	--
6016	640636.2	4166248.9	Worker	Scenario 2	1.55E-02	1.36E-04	--
6017	640736.2	4166248.9	Worker	Scenario 2	1.82E-02	1.55E-04	--
6018	640836.2	4166248.9	Worker	Scenario 2	2.02E-02	1.72E-04	--
6019	640936.2	4166248.9	Worker	Scenario 2	2.13E-02	1.83E-04	--
6020	641036.2	4166248.9	Worker	Scenario 2	2.24E-02	1.95E-04	--
6021	641136.2	4166248.9	Worker	Scenario 2	2.43E-02	2.14E-04	--
6022	641236.2	4166248.9	Worker	Scenario 2	2.56E-02	2.29E-04	--
6023	641336.2	4166248.9	Worker	Scenario 2	2.76E-02	2.53E-04	--
6024	641436.2	4166248.9	Worker	Scenario 2	3.08E-02	2.97E-04	--
6025	641536.2	4166248.9	Worker	Scenario 2	3.44E-02	3.56E-04	--
6026	641636.2	4166248.9	Worker	Scenario 2	3.68E-02	3.93E-04	--
6027	641736.2	4166248.9	Worker	Scenario 2	3.76E-02	3.99E-04	--
6028	641836.2	4166248.9	Worker	Scenario 2	3.84E-02	3.95E-04	--
6029	641936.2	4166248.9	Worker	Scenario 2	3.94E-02	3.90E-04	--
6030	642036.2	4166248.9	Worker	Scenario 2	4.07E-02	3.89E-04	--
6031	642136.2	4166248.9	Worker	Scenario 2	4.19E-02	3.89E-04	--
6032	642236.2	4166248.9	Worker	Scenario 2	4.35E-02	3.93E-04	--
6033	642336.2	4166248.9	Worker	Scenario 2	4.53E-02	3.97E-04	--
6034	642436.2	4166248.9	Worker	Scenario 2	4.74E-02	4.04E-04	--
6035	642536.2	4166248.9	Worker	Scenario 2	4.90E-02	4.11E-04	--
6036	642636.2	4166248.9	Worker	Scenario 2	5.13E-02	4.21E-04	--
6037	642736.2	4166248.9	Worker	Scenario 2	5.32E-02	4.29E-04	--
6038	642836.2	4166248.9	Worker	Scenario 2	5.43E-02	4.34E-04	--
6039	642936.2	4166248.9	Worker	Scenario 2	5.55E-02	4.36E-04	--
6040	644236.2	4166248.9	Worker	Scenario 2	1.00E-01	4.27E-04	--
6041	644336.2	4166248.9	Worker	Scenario 2	1.01E-01	4.18E-04	--
6042	644436.2	4166248.9	Worker	Scenario 2	9.79E-02	4.02E-04	--
6043	644536.2	4166248.9	Worker	Scenario 2	9.51E-02	3.87E-04	--
6044	644636.2	4166248.9	Worker	Scenario 2	8.97E-02	3.66E-04	--
6045	644736.2	4166248.9	Worker	Scenario 2	8.82E-02	3.55E-04	--
6046	644836.2	4166248.9	Worker	Scenario 2	8.69E-02	3.45E-04	--
6047	644936.2	4166248.9	Worker	Scenario 2	8.58E-02	3.37E-04	--
6048	645036.2	4166248.9	Worker	Scenario 2	8.49E-02	3.29E-04	--
6049	645136.2	4166248.9	Worker	Scenario 2	8.39E-02	3.22E-04	--
6050	645236.2	4166248.9	Worker	Scenario 2	8.28E-02	3.15E-04	--
6051	645336.2	4166248.9	Worker	Scenario 2	8.21E-02	3.09E-04	--
6052	645436.2	4166248.9	Worker	Scenario 2	8.10E-02	3.02E-04	--
6053	645536.2	4166248.9	Worker	Scenario 2	8.03E-02	2.97E-04	--
6054	645636.2	4166248.9	Worker	Scenario 2	7.96E-02	2.92E-04	--
6055	645736.2	4166248.9	Worker	Scenario 2	7.89E-02	2.87E-04	--
6056	645836.2	4166248.9	Worker	Scenario 2	7.82E-02	2.83E-04	--
6057	645936.2	4166248.9	Worker	Scenario 2	7.73E-02	2.78E-04	--
6058	646036.2	4166248.9	Worker	Scenario 2	7.64E-02	2.73E-04	--
6059	646136.2	4166248.9	Worker	Scenario 2	7.54E-02	2.68E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6060	646336.2	4166248.9	Worker	Scenario 2	7.32E-02	2.58E-04	--
6061	646436.2	4166248.9	Worker	Scenario 2	7.19E-02	2.53E-04	--
6062	646536.2	4166248.9	Worker	Scenario 2	7.06E-02	2.47E-04	--
6063	646636.2	4166248.9	Worker	Scenario 2	6.93E-02	2.42E-04	--
6064	646736.2	4166248.9	Worker	Scenario 2	6.76E-02	2.36E-04	--
6065	646836.2	4166248.9	Worker	Scenario 2	6.61E-02	2.31E-04	--
6066	646936.2	4166248.9	Worker	Scenario 2	6.47E-02	2.25E-04	--
6067	638136.2	4166348.9	Worker	Scenario 2	4.53E-03	4.35E-05	--
6068	638236.2	4166348.9	Worker	Scenario 2	5.09E-03	4.78E-05	--
6069	638336.2	4166348.9	Worker	Scenario 2	4.98E-03	4.73E-05	--
6070	638436.2	4166348.9	Worker	Scenario 2	4.98E-03	4.76E-05	--
6071	638536.2	4166348.9	Worker	Scenario 2	4.62E-03	4.48E-05	--
6072	638636.2	4166348.9	Worker	Scenario 2	4.81E-03	4.66E-05	--
6073	638736.2	4166348.9	Worker	Scenario 2	5.32E-03	5.05E-05	--
6074	638836.2	4166348.9	Worker	Scenario 2	5.47E-03	5.18E-05	--
6075	638936.2	4166348.9	Worker	Scenario 2	5.23E-03	5.04E-05	--
6076	639036.2	4166348.9	Worker	Scenario 2	5.52E-03	5.27E-05	--
6077	639136.2	4166348.9	Worker	Scenario 2	5.70E-03	5.44E-05	--
6078	639236.2	4166348.9	Worker	Scenario 2	6.24E-03	5.86E-05	--
6079	639336.2	4166348.9	Worker	Scenario 2	6.20E-03	5.88E-05	--
6080	639436.2	4166348.9	Worker	Scenario 2	7.09E-03	6.51E-05	--
6081	639536.2	4166348.9	Worker	Scenario 2	8.50E-03	7.38E-05	--
6082	639636.2	4166348.9	Worker	Scenario 2	7.58E-03	6.99E-05	--
6083	639736.2	4166348.9	Worker	Scenario 2	7.47E-03	7.03E-05	--
6084	639836.2	4166348.9	Worker	Scenario 2	9.30E-03	8.20E-05	--
6085	639936.2	4166348.9	Worker	Scenario 2	9.83E-03	8.66E-05	--
6086	640036.2	4166348.9	Worker	Scenario 2	1.03E-02	9.12E-05	--
6087	640136.2	4166348.9	Worker	Scenario 2	1.07E-02	9.55E-05	--
6088	640236.2	4166348.9	Worker	Scenario 2	1.17E-02	1.04E-04	--
6089	640336.2	4166348.9	Worker	Scenario 2	1.35E-02	1.16E-04	--
6090	640436.2	4166348.9	Worker	Scenario 2	1.61E-02	1.34E-04	--
6091	640536.2	4166348.9	Worker	Scenario 2	1.84E-02	1.52E-04	--
6092	640636.2	4166348.9	Worker	Scenario 2	2.01E-02	1.68E-04	--
6093	640736.2	4166348.9	Worker	Scenario 2	2.15E-02	1.82E-04	--
6094	640836.2	4166348.9	Worker	Scenario 2	2.24E-02	1.93E-04	--
6095	640936.2	4166348.9	Worker	Scenario 2	2.37E-02	2.07E-04	--
6096	641036.2	4166348.9	Worker	Scenario 2	2.53E-02	2.24E-04	--
6097	641136.2	4166348.9	Worker	Scenario 2	2.78E-02	2.52E-04	--
6098	641236.2	4166348.9	Worker	Scenario 2	3.04E-02	2.85E-04	--
6099	641336.2	4166348.9	Worker	Scenario 2	3.35E-02	3.28E-04	--
6100	641436.2	4166348.9	Worker	Scenario 2	3.85E-02	4.11E-04	--
6101	641536.2	4166348.9	Worker	Scenario 2	4.35E-02	5.02E-04	--
6102	641636.2	4166348.9	Worker	Scenario 2	4.52E-02	5.19E-04	--
6103	641936.2	4166348.9	Worker	Scenario 2	4.51E-02	4.51E-04	--
6104	642036.2	4166348.9	Worker	Scenario 2	4.60E-02	4.43E-04	--
6105	642136.2	4166348.9	Worker	Scenario 2	4.72E-02	4.41E-04	--
6106	642236.2	4166348.9	Worker	Scenario 2	4.81E-02	4.41E-04	--
6107	642336.2	4166348.9	Worker	Scenario 2	5.02E-02	4.46E-04	--
6108	642436.2	4166348.9	Worker	Scenario 2	5.28E-02	4.55E-04	--
6109	642536.2	4166348.9	Worker	Scenario 2	5.59E-02	4.67E-04	--
6110	642636.2	4166348.9	Worker	Scenario 2	5.88E-02	4.77E-04	--
6111	642736.2	4166348.9	Worker	Scenario 2	6.13E-02	4.87E-04	--
6112	642836.2	4166348.9	Worker	Scenario 2	6.29E-02	4.92E-04	--
6113	643036.2	4166348.9	Worker	Scenario 2	7.09E-02	5.06E-04	--
6114	643136.2	4166348.9	Worker	Scenario 2	7.72E-02	5.15E-04	--
6115	643236.2	4166348.9	Worker	Scenario 2	8.39E-02	5.23E-04	--
6116	643336.2	4166348.9	Worker	Scenario 2	9.08E-02	5.29E-04	--
6117	643436.2	4166348.9	Worker	Scenario 2	9.72E-02	5.33E-04	--
6118	643536.2	4166348.9	Worker	Scenario 2	1.02E-01	5.29E-04	--
6119	643636.2	4166348.9	Worker	Scenario 2	1.06E-01	5.26E-04	--
6120	643736.2	4166348.9	Worker	Scenario 2	1.12E-01	5.26E-04	--
6121	643836.2	4166348.9	Worker	Scenario 2	1.16E-01	5.23E-04	--
6122	643936.2	4166348.9	Worker	Scenario 2	1.19E-01	5.17E-04	--
6123	644036.2	4166348.9	Worker	Scenario 2	1.22E-01	5.09E-04	--
6124	644136.2	4166348.9	Worker	Scenario 2	1.19E-01	4.91E-04	--
6125	644236.2	4166348.9	Worker	Scenario 2	1.16E-01	4.71E-04	--
6126	644336.2	4166348.9	Worker	Scenario 2	1.12E-01	4.52E-04	--
6127	644436.2	4166348.9	Worker	Scenario 2	1.09E-01	4.35E-04	--
6128	644536.2	4166348.9	Worker	Scenario 2	1.07E-01	4.19E-04	--
6129	644636.2	4166348.9	Worker	Scenario 2	1.01E-01	3.97E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6130	644736.2	4166348.9	Worker	Scenario 2	9.94E-02	3.86E-04	--
6131	644836.2	4166348.9	Worker	Scenario 2	9.80E-02	3.76E-04	--
6132	644936.2	4166348.9	Worker	Scenario 2	9.69E-02	3.67E-04	--
6133	645036.2	4166348.9	Worker	Scenario 2	9.59E-02	3.59E-04	--
6134	645136.2	4166348.9	Worker	Scenario 2	9.47E-02	3.51E-04	--
6135	645236.2	4166348.9	Worker	Scenario 2	9.34E-02	3.44E-04	--
6136	645336.2	4166348.9	Worker	Scenario 2	9.24E-02	3.37E-04	--
6137	645436.2	4166348.9	Worker	Scenario 2	9.10E-02	3.29E-04	--
6138	645536.2	4166348.9	Worker	Scenario 2	8.99E-02	3.23E-04	--
6139	645636.2	4166348.9	Worker	Scenario 2	8.89E-02	3.17E-04	--
6140	645736.2	4166348.9	Worker	Scenario 2	8.78E-02	3.11E-04	--
6141	645836.2	4166348.9	Worker	Scenario 2	8.66E-02	3.05E-04	--
6142	645936.2	4166348.9	Worker	Scenario 2	8.54E-02	2.99E-04	--
6143	646036.2	4166348.9	Worker	Scenario 2	8.40E-02	2.93E-04	--
6144	646136.2	4166348.9	Worker	Scenario 2	8.26E-02	2.87E-04	--
6145	646336.2	4166348.9	Worker	Scenario 2	7.94E-02	2.74E-04	--
6146	646436.2	4166348.9	Worker	Scenario 2	7.77E-02	2.68E-04	--
6147	646536.2	4166348.9	Worker	Scenario 2	7.58E-02	2.61E-04	--
6148	646636.2	4166348.9	Worker	Scenario 2	7.38E-02	2.54E-04	--
6149	646736.2	4166348.9	Worker	Scenario 2	7.20E-02	2.47E-04	--
6150	646836.2	4166348.9	Worker	Scenario 2	7.02E-02	2.41E-04	--
6151	637936.2	4166448.9	Worker	Scenario 2	4.15E-03	4.02E-05	--
6152	638036.2	4166448.9	Worker	Scenario 2	4.30E-03	4.15E-05	--
6153	638136.2	4166448.9	Worker	Scenario 2	4.40E-03	4.26E-05	--
6154	638236.2	4166448.9	Worker	Scenario 2	4.57E-03	4.42E-05	--
6155	638336.2	4166448.9	Worker	Scenario 2	5.69E-03	5.23E-05	--
6156	638436.2	4166448.9	Worker	Scenario 2	5.08E-03	4.86E-05	--
6157	638536.2	4166448.9	Worker	Scenario 2	4.76E-03	4.63E-05	--
6158	638636.2	4166448.9	Worker	Scenario 2	5.17E-03	4.98E-05	--
6159	638736.2	4166448.9	Worker	Scenario 2	5.59E-03	5.32E-05	--
6160	638836.2	4166448.9	Worker	Scenario 2	5.79E-03	5.49E-05	--
6161	638936.2	4166448.9	Worker	Scenario 2	5.80E-03	5.53E-05	--
6162	639036.2	4166448.9	Worker	Scenario 2	6.86E-03	6.24E-05	--
6163	639136.2	4166448.9	Worker	Scenario 2	6.45E-03	6.05E-05	--
6164	639236.2	4166448.9	Worker	Scenario 2	6.83E-03	6.34E-05	--
6165	639336.2	4166448.9	Worker	Scenario 2	7.36E-03	6.71E-05	--
6166	639436.2	4166448.9	Worker	Scenario 2	7.88E-03	7.08E-05	--
6167	639536.2	4166448.9	Worker	Scenario 2	8.91E-03	7.74E-05	--
6168	639636.2	4166448.9	Worker	Scenario 2	9.89E-03	8.36E-05	--
6169	639736.2	4166448.9	Worker	Scenario 2	1.08E-02	8.96E-05	--
6170	639836.2	4166448.9	Worker	Scenario 2	1.22E-02	9.84E-05	--
6171	639936.2	4166448.9	Worker	Scenario 2	1.34E-02	1.06E-04	--
6172	640036.2	4166448.9	Worker	Scenario 2	1.44E-02	1.14E-04	--
6173	640136.2	4166448.9	Worker	Scenario 2	1.46E-02	1.18E-04	--
6174	640236.2	4166448.9	Worker	Scenario 2	1.47E-02	1.21E-04	--
6175	640336.2	4166448.9	Worker	Scenario 2	1.61E-02	1.32E-04	--
6176	640436.2	4166448.9	Worker	Scenario 2	1.79E-02	1.47E-04	--
6177	640536.2	4166448.9	Worker	Scenario 2	1.98E-02	1.64E-04	--
6178	641436.2	4166448.9	Worker	Scenario 2	5.82E-02	7.45E-04	--
6179	641536.2	4166448.9	Worker	Scenario 2	6.17E-02	7.91E-04	--
6180	641736.2	4166448.9	Worker	Scenario 2	5.53E-02	6.05E-04	--
6181	641836.2	4166448.9	Worker	Scenario 2	5.34E-02	5.52E-04	--
6182	641936.2	4166448.9	Worker	Scenario 2	5.16E-02	5.19E-04	--
6183	642036.2	4166448.9	Worker	Scenario 2	5.18E-02	5.03E-04	--
6184	642136.2	4166448.9	Worker	Scenario 2	5.28E-02	4.97E-04	--
6185	642236.2	4166448.9	Worker	Scenario 2	5.43E-02	4.98E-04	--
6186	642336.2	4166448.9	Worker	Scenario 2	5.65E-02	5.04E-04	--
6187	642436.2	4166448.9	Worker	Scenario 2	5.96E-02	5.15E-04	--
6188	642536.2	4166448.9	Worker	Scenario 2	6.34E-02	5.29E-04	--
6189	642636.2	4166448.9	Worker	Scenario 2	6.79E-02	5.46E-04	--
6190	642936.2	4166448.9	Worker	Scenario 2	7.55E-02	5.60E-04	--
6191	643036.2	4166448.9	Worker	Scenario 2	8.37E-02	5.74E-04	--
6192	643136.2	4166448.9	Worker	Scenario 2	9.00E-02	5.79E-04	--
6193	643236.2	4166448.9	Worker	Scenario 2	9.86E-02	5.88E-04	--
6194	643336.2	4166448.9	Worker	Scenario 2	1.07E-01	5.96E-04	--
6195	643436.2	4166448.9	Worker	Scenario 2	1.16E-01	6.01E-04	--
6196	643536.2	4166448.9	Worker	Scenario 2	1.24E-01	6.05E-04	--
6197	643636.2	4166448.9	Worker	Scenario 2	1.33E-01	6.08E-04	--
6198	643736.2	4166448.9	Worker	Scenario 2	1.39E-01	6.06E-04	--
6199	643836.2	4166448.9	Worker	Scenario 2	1.42E-01	5.98E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6200	643936.2	4166448.9	Worker	Scenario 2	1.42E-01	5.82E-04	--
6201	644036.2	4166448.9	Worker	Scenario 2	1.39E-01	5.60E-04	--
6202	644136.2	4166448.9	Worker	Scenario 2	1.35E-01	5.36E-04	--
6203	644236.2	4166448.9	Worker	Scenario 2	1.31E-01	5.13E-04	--
6204	644336.2	4166448.9	Worker	Scenario 2	1.27E-01	4.92E-04	--
6205	644436.2	4166448.9	Worker	Scenario 2	1.24E-01	4.74E-04	--
6206	644536.2	4166448.9	Worker	Scenario 2	1.21E-01	4.58E-04	--
6207	644636.2	4166448.9	Worker	Scenario 2	1.15E-01	4.35E-04	--
6208	644736.2	4166448.9	Worker	Scenario 2	1.13E-01	4.24E-04	--
6209	644836.2	4166448.9	Worker	Scenario 2	1.12E-01	4.14E-04	--
6210	644936.2	4166448.9	Worker	Scenario 2	1.11E-01	4.05E-04	--
6211	645036.2	4166448.9	Worker	Scenario 2	1.10E-01	3.96E-04	--
6212	645136.2	4166448.9	Worker	Scenario 2	1.08E-01	3.87E-04	--
6213	645236.2	4166448.9	Worker	Scenario 2	1.06E-01	3.78E-04	--
6214	645336.2	4166448.9	Worker	Scenario 2	1.05E-01	3.70E-04	--
6215	645436.2	4166448.9	Worker	Scenario 2	1.03E-01	3.60E-04	--
6216	645536.2	4166448.9	Worker	Scenario 2	1.01E-01	3.53E-04	--
6217	645636.2	4166448.9	Worker	Scenario 2	9.95E-02	3.45E-04	--
6218	645736.2	4166448.9	Worker	Scenario 2	9.77E-02	3.37E-04	--
6219	645836.2	4166448.9	Worker	Scenario 2	9.60E-02	3.30E-04	--
6220	645936.2	4166448.9	Worker	Scenario 2	9.41E-02	3.22E-04	--
6221	646036.2	4166448.9	Worker	Scenario 2	9.22E-02	3.14E-04	--
6222	646136.2	4166448.9	Worker	Scenario 2	9.01E-02	3.06E-04	--
6223	646336.2	4166448.9	Worker	Scenario 2	8.58E-02	2.90E-04	--
6224	646436.2	4166448.9	Worker	Scenario 2	8.35E-02	2.82E-04	--
6225	646536.2	4166448.9	Worker	Scenario 2	8.10E-02	2.74E-04	--
6226	646636.2	4166448.9	Worker	Scenario 2	7.86E-02	2.66E-04	--
6227	646736.2	4166448.9	Worker	Scenario 2	7.65E-02	2.59E-04	--
6228	646836.2	4166448.9	Worker	Scenario 2	7.44E-02	2.51E-04	--
6229	637736.2	4166548.9	Worker	Scenario 2	4.29E-03	4.04E-05	--
6230	637836.2	4166548.9	Worker	Scenario 2	4.07E-03	3.92E-05	--
6231	637936.2	4166548.9	Worker	Scenario 2	4.19E-03	4.04E-05	--
6232	638036.2	4166548.9	Worker	Scenario 2	4.36E-03	4.20E-05	--
6233	638136.2	4166548.9	Worker	Scenario 2	4.63E-03	4.43E-05	--
6234	638236.2	4166548.9	Worker	Scenario 2	5.30E-03	4.92E-05	--
6235	638336.2	4166548.9	Worker	Scenario 2	5.46E-03	5.08E-05	--
6236	638436.2	4166548.9	Worker	Scenario 2	5.59E-03	5.22E-05	--
6237	638536.2	4166548.9	Worker	Scenario 2	5.58E-03	5.27E-05	--
6238	638636.2	4166548.9	Worker	Scenario 2	5.90E-03	5.54E-05	--
6239	638736.2	4166548.9	Worker	Scenario 2	6.21E-03	5.78E-05	--
6240	638836.2	4166548.9	Worker	Scenario 2	6.80E-03	6.19E-05	--
6241	638936.2	4166548.9	Worker	Scenario 2	7.19E-03	6.48E-05	--
6242	639036.2	4166548.9	Worker	Scenario 2	8.32E-03	7.16E-05	--
6243	639136.2	4166548.9	Worker	Scenario 2	9.20E-03	7.69E-05	--
6244	639236.2	4166548.9	Worker	Scenario 2	1.00E-02	8.20E-05	--
6245	639336.2	4166548.9	Worker	Scenario 2	9.31E-03	7.92E-05	--
6246	639436.2	4166548.9	Worker	Scenario 2	9.62E-03	8.18E-05	--
6247	639536.2	4166548.9	Worker	Scenario 2	9.89E-03	8.42E-05	--
6248	639636.2	4166548.9	Worker	Scenario 2	1.11E-02	9.20E-05	--
6249	639736.2	4166548.9	Worker	Scenario 2	1.18E-02	9.67E-05	--
6250	639836.2	4166548.9	Worker	Scenario 2	1.28E-02	1.04E-04	--
6251	639936.2	4166548.9	Worker	Scenario 2	1.42E-02	1.13E-04	--
6252	640036.2	4166548.9	Worker	Scenario 2	1.55E-02	1.23E-04	--
6253	640136.2	4166548.9	Worker	Scenario 2	1.61E-02	1.29E-04	--
6254	640236.2	4166548.9	Worker	Scenario 2	1.66E-02	1.34E-04	--
6255	640336.2	4166548.9	Worker	Scenario 2	1.78E-02	1.45E-04	--
6256	640436.2	4166548.9	Worker	Scenario 2	1.93E-02	1.58E-04	--
6257	640536.2	4166548.9	Worker	Scenario 2	2.11E-02	1.75E-04	--
6258	641636.2	4166548.9	Worker	Scenario 2	8.05E-02	8.82E-04	--
6259	641736.2	4166548.9	Worker	Scenario 2	6.86E-02	7.21E-04	--
6260	641836.2	4166548.9	Worker	Scenario 2	6.33E-02	6.39E-04	--
6261	641936.2	4166548.9	Worker	Scenario 2	6.07E-02	5.94E-04	--
6262	642036.2	4166548.9	Worker	Scenario 2	5.98E-02	5.72E-04	--
6263	642136.2	4166548.9	Worker	Scenario 2	6.02E-02	5.64E-04	--
6264	642236.2	4166548.9	Worker	Scenario 2	6.18E-02	5.67E-04	--
6265	642336.2	4166548.9	Worker	Scenario 2	6.44E-02	5.75E-04	--
6266	642436.2	4166548.9	Worker	Scenario 2	6.81E-02	5.88E-04	--
6267	642536.2	4166548.9	Worker	Scenario 2	7.30E-02	6.07E-04	--
6268	642836.2	4166548.9	Worker	Scenario 2	8.73E-02	6.45E-04	--
6269	642936.2	4166548.9	Worker	Scenario 2	8.95E-02	6.41E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6270	643036.2	4166548.9	Worker	Scenario 2	9.86E-02	6.52E-04	--
6271	643136.2	4166548.9	Worker	Scenario 2	1.07E-01	6.58E-04	--
6272	643236.2	4166548.9	Worker	Scenario 2	1.18E-01	6.68E-04	--
6273	643336.2	4166548.9	Worker	Scenario 2	1.30E-01	6.79E-04	--
6274	643436.2	4166548.9	Worker	Scenario 2	1.42E-01	6.87E-04	--
6275	643536.2	4166548.9	Worker	Scenario 2	1.53E-01	6.94E-04	--
6276	643636.2	4166548.9	Worker	Scenario 2	1.62E-01	6.97E-04	--
6277	643736.2	4166548.9	Worker	Scenario 2	1.68E-01	6.91E-04	--
6278	643836.2	4166548.9	Worker	Scenario 2	1.69E-01	6.75E-04	--
6279	643936.2	4166548.9	Worker	Scenario 2	1.65E-01	6.49E-04	--
6280	644036.2	4166548.9	Worker	Scenario 2	1.60E-01	6.20E-04	--
6281	644136.2	4166548.9	Worker	Scenario 2	1.54E-01	5.91E-04	--
6282	644236.2	4166548.9	Worker	Scenario 2	1.49E-01	5.65E-04	--
6283	644336.2	4166548.9	Worker	Scenario 2	1.46E-01	5.44E-04	--
6284	644436.2	4166548.9	Worker	Scenario 2	1.42E-01	5.24E-04	--
6285	644536.2	4166548.9	Worker	Scenario 2	1.39E-01	5.07E-04	--
6286	644636.2	4166548.9	Worker	Scenario 2	1.33E-01	4.84E-04	--
6287	644736.2	4166548.9	Worker	Scenario 2	1.31E-01	4.71E-04	--
6288	644836.2	4166548.9	Worker	Scenario 2	1.30E-01	4.60E-04	--
6289	644936.2	4166548.9	Worker	Scenario 2	1.28E-01	4.50E-04	--
6290	645036.2	4166548.9	Worker	Scenario 2	1.26E-01	4.39E-04	--
6291	645136.2	4166548.9	Worker	Scenario 2	1.24E-01	4.28E-04	--
6292	645236.2	4166548.9	Worker	Scenario 2	1.21E-01	4.17E-04	--
6293	645336.2	4166548.9	Worker	Scenario 2	1.19E-01	4.06E-04	--
6294	645436.2	4166548.9	Worker	Scenario 2	1.16E-01	3.95E-04	--
6295	645536.2	4166548.9	Worker	Scenario 2	1.14E-01	3.85E-04	--
6296	645636.2	4166548.9	Worker	Scenario 2	1.11E-01	3.75E-04	--
6297	645736.2	4166548.9	Worker	Scenario 2	1.09E-01	3.65E-04	--
6298	645836.2	4166548.9	Worker	Scenario 2	1.06E-01	3.55E-04	--
6299	645936.2	4166548.9	Worker	Scenario 2	1.03E-01	3.45E-04	--
6300	646036.2	4166548.9	Worker	Scenario 2	1.01E-01	3.35E-04	--
6301	646136.2	4166548.9	Worker	Scenario 2	9.77E-02	3.25E-04	--
6302	646336.2	4166548.9	Worker	Scenario 2	9.16E-02	3.05E-04	--
6303	646436.2	4166548.9	Worker	Scenario 2	8.85E-02	2.95E-04	--
6304	646536.2	4166548.9	Worker	Scenario 2	8.59E-02	2.86E-04	--
6305	646636.2	4166548.9	Worker	Scenario 2	8.33E-02	2.77E-04	--
6306	646936.2	4166548.9	Worker	Scenario 2	7.63E-02	2.54E-04	--
6307	637636.2	4166648.9	Worker	Scenario 2	4.89E-03	4.36E-05	--
6308	637736.2	4166648.9	Worker	Scenario 2	4.99E-03	4.46E-05	--
6309	637836.2	4166648.9	Worker	Scenario 2	4.99E-03	4.51E-05	--
6310	637936.2	4166648.9	Worker	Scenario 2	4.97E-03	4.55E-05	--
6311	638036.2	4166648.9	Worker	Scenario 2	5.60E-03	4.95E-05	--
6312	638136.2	4166648.9	Worker	Scenario 2	5.66E-03	5.04E-05	--
6313	638236.2	4166648.9	Worker	Scenario 2	5.97E-03	5.28E-05	--
6314	638336.2	4166648.9	Worker	Scenario 2	5.90E-03	5.31E-05	--
6315	638436.2	4166648.9	Worker	Scenario 2	6.42E-03	5.68E-05	--
6316	638536.2	4166648.9	Worker	Scenario 2	6.77E-03	5.95E-05	--
6317	638636.2	4166648.9	Worker	Scenario 2	7.07E-03	6.20E-05	--
6318	638736.2	4166648.9	Worker	Scenario 2	7.39E-03	6.47E-05	--
6319	638836.2	4166648.9	Worker	Scenario 2	7.50E-03	6.61E-05	--
6320	638936.2	4166648.9	Worker	Scenario 2	7.95E-03	6.94E-05	--
6321	639036.2	4166648.9	Worker	Scenario 2	8.77E-03	7.46E-05	--
6322	639136.2	4166648.9	Worker	Scenario 2	9.83E-03	8.11E-05	--
6323	639236.2	4166648.9	Worker	Scenario 2	1.08E-02	8.75E-05	--
6324	639336.2	4166648.9	Worker	Scenario 2	1.10E-02	8.94E-05	--
6325	639436.2	4166648.9	Worker	Scenario 2	1.05E-02	8.81E-05	--
6326	639536.2	4166648.9	Worker	Scenario 2	1.12E-02	9.28E-05	--
6327	639636.2	4166648.9	Worker	Scenario 2	1.13E-02	9.48E-05	--
6328	639736.2	4166648.9	Worker	Scenario 2	1.25E-02	1.03E-04	--
6329	639836.2	4166648.9	Worker	Scenario 2	1.35E-02	1.10E-04	--
6330	639936.2	4166648.9	Worker	Scenario 2	1.46E-02	1.19E-04	--
6331	640036.2	4166648.9	Worker	Scenario 2	1.60E-02	1.29E-04	--
6332	640136.2	4166648.9	Worker	Scenario 2	1.72E-02	1.40E-04	--
6333	640236.2	4166648.9	Worker	Scenario 2	1.81E-02	1.47E-04	--
6334	640336.2	4166648.9	Worker	Scenario 2	1.92E-02	1.58E-04	--
6335	640436.2	4166648.9	Worker	Scenario 2	2.06E-02	1.72E-04	--
6336	640536.2	4166648.9	Worker	Scenario 2	2.25E-02	1.90E-04	--
6337	641536.2	4166648.9	Worker	Scenario 2	1.44E-01	1.53E-03	--
6338	641636.2	4166648.9	Worker	Scenario 2	1.01E-01	1.03E-03	--
6339	641736.2	4166648.9	Worker	Scenario 2	8.34E-02	8.26E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6340	641836.2	4166648.9	Worker	Scenario 2	7.47E-02	7.25E-04	--
6341	641936.2	4166648.9	Worker	Scenario 2	7.04E-02	6.75E-04	--
6342	642036.2	4166648.9	Worker	Scenario 2	6.86E-02	6.50E-04	--
6343	642136.2	4166648.9	Worker	Scenario 2	6.89E-02	6.45E-04	--
6344	642236.2	4166648.9	Worker	Scenario 2	7.07E-02	6.51E-04	--
6345	642336.2	4166648.9	Worker	Scenario 2	7.43E-02	6.64E-04	--
6346	642436.2	4166648.9	Worker	Scenario 2	7.93E-02	6.83E-04	--
6347	642736.2	4166648.9	Worker	Scenario 2	9.86E-02	7.43E-04	--
6348	642836.2	4166648.9	Worker	Scenario 2	1.05E-01	7.50E-04	--
6349	642936.2	4166648.9	Worker	Scenario 2	1.08E-01	7.41E-04	--
6350	643036.2	4166648.9	Worker	Scenario 2	1.19E-01	7.49E-04	--
6351	643136.2	4166648.9	Worker	Scenario 2	1.30E-01	7.56E-04	--
6352	643236.2	4166648.9	Worker	Scenario 2	1.45E-01	7.71E-04	--
6353	643336.2	4166648.9	Worker	Scenario 2	1.62E-01	7.88E-04	--
6354	643436.2	4166648.9	Worker	Scenario 2	1.78E-01	8.02E-04	--
6355	643536.2	4166648.9	Worker	Scenario 2	1.93E-01	8.12E-04	--
6356	643636.2	4166648.9	Worker	Scenario 2	2.02E-01	8.12E-04	--
6357	643736.2	4166648.9	Worker	Scenario 2	2.05E-01	7.96E-04	--
6358	643836.2	4166648.9	Worker	Scenario 2	2.01E-01	7.65E-04	--
6359	643936.2	4166648.9	Worker	Scenario 2	1.94E-01	7.28E-04	--
6360	644036.2	4166648.9	Worker	Scenario 2	1.86E-01	6.92E-04	--
6361	644136.2	4166648.9	Worker	Scenario 2	1.80E-01	6.60E-04	--
6362	644236.2	4166648.9	Worker	Scenario 2	1.75E-01	6.33E-04	--
6363	644336.2	4166648.9	Worker	Scenario 2	1.71E-01	6.11E-04	--
6364	644436.2	4166648.9	Worker	Scenario 2	1.67E-01	5.90E-04	--
6365	644536.2	4166648.9	Worker	Scenario 2	1.63E-01	5.71E-04	--
6366	644636.2	4166648.9	Worker	Scenario 2	1.57E-01	5.46E-04	--
6367	644736.2	4166648.9	Worker	Scenario 2	1.54E-01	5.32E-04	--
6368	644836.2	4166648.9	Worker	Scenario 2	1.52E-01	5.18E-04	--
6369	644936.2	4166648.9	Worker	Scenario 2	1.49E-01	5.05E-04	--
6370	645036.2	4166648.9	Worker	Scenario 2	1.46E-01	4.90E-04	--
6371	645136.2	4166648.9	Worker	Scenario 2	1.42E-01	4.75E-04	--
6372	645236.2	4166648.9	Worker	Scenario 2	1.38E-01	4.61E-04	--
6373	645336.2	4166648.9	Worker	Scenario 2	1.35E-01	4.47E-04	--
6374	645436.2	4166648.9	Worker	Scenario 2	1.31E-01	4.33E-04	--
6375	645536.2	4166648.9	Worker	Scenario 2	1.27E-01	4.19E-04	--
6376	645636.2	4166648.9	Worker	Scenario 2	1.24E-01	4.06E-04	--
6377	645736.2	4166648.9	Worker	Scenario 2	1.20E-01	3.93E-04	--
6378	645836.2	4166648.9	Worker	Scenario 2	1.16E-01	3.81E-04	--
6379	646836.2	4166648.9	Worker	Scenario 2	8.27E-02	2.71E-04	--
6380	646936.2	4166648.9	Worker	Scenario 2	8.02E-02	2.63E-04	--
6381	647036.2	4166648.9	Worker	Scenario 2	7.77E-02	2.55E-04	--
6382	637436.2	4166748.9	Worker	Scenario 2	4.35E-03	3.97E-05	--
6383	637536.2	4166748.9	Worker	Scenario 2	4.35E-03	4.01E-05	--
6384	637636.2	4166748.9	Worker	Scenario 2	4.79E-03	4.31E-05	--
6385	637736.2	4166748.9	Worker	Scenario 2	5.04E-03	4.49E-05	--
6386	637836.2	4166748.9	Worker	Scenario 2	5.65E-03	4.85E-05	--
6387	637936.2	4166748.9	Worker	Scenario 2	6.13E-03	5.14E-05	--
6388	638036.2	4166748.9	Worker	Scenario 2	6.80E-03	5.50E-05	--
6389	638136.2	4166748.9	Worker	Scenario 2	6.72E-03	5.54E-05	--
6390	638236.2	4166748.9	Worker	Scenario 2	6.12E-03	5.34E-05	--
6391	638336.2	4166748.9	Worker	Scenario 2	6.23E-03	5.47E-05	--
6392	638436.2	4166748.9	Worker	Scenario 2	6.55E-03	5.72E-05	--
6393	638536.2	4166748.9	Worker	Scenario 2	6.85E-03	5.96E-05	--
6394	638636.2	4166748.9	Worker	Scenario 2	7.41E-03	6.35E-05	--
6395	638736.2	4166748.9	Worker	Scenario 2	7.86E-03	6.68E-05	--
6396	638836.2	4166748.9	Worker	Scenario 2	8.16E-03	6.94E-05	--
6397	638936.2	4166748.9	Worker	Scenario 2	8.76E-03	7.35E-05	--
6398	639036.2	4166748.9	Worker	Scenario 2	9.46E-03	7.82E-05	--
6399	639136.2	4166748.9	Worker	Scenario 2	1.04E-02	8.40E-05	--
6400	639236.2	4166748.9	Worker	Scenario 2	1.14E-02	9.11E-05	--
6401	639336.2	4166748.9	Worker	Scenario 2	1.17E-02	9.38E-05	--
6402	639436.2	4166748.9	Worker	Scenario 2	1.20E-02	9.69E-05	--
6403	639536.2	4166748.9	Worker	Scenario 2	1.24E-02	1.01E-04	--
6404	639636.2	4166748.9	Worker	Scenario 2	1.28E-02	1.05E-04	--
6405	639736.2	4166748.9	Worker	Scenario 2	1.34E-02	1.10E-04	--
6406	639836.2	4166748.9	Worker	Scenario 2	1.42E-02	1.17E-04	--
6407	639936.2	4166748.9	Worker	Scenario 2	1.54E-02	1.26E-04	--
6408	640036.2	4166748.9	Worker	Scenario 2	1.66E-02	1.36E-04	--
6409	640136.2	4166748.9	Worker	Scenario 2	1.79E-02	1.48E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6410	640236.2	4166748.9	Worker	Scenario 2	1.92E-02	1.59E-04	--
6411	640336.2	4166748.9	Worker	Scenario 2	2.04E-02	1.72E-04	--
6412	640436.2	4166748.9	Worker	Scenario 2	2.19E-02	1.86E-04	--
6413	640536.2	4166748.9	Worker	Scenario 2	2.37E-02	2.05E-04	--
6414	644536.2	4166748.9	Worker	Scenario 2	1.95E-01	6.52E-04	--
6415	644636.2	4166748.9	Worker	Scenario 2	1.87E-01	6.24E-04	--
6416	644836.2	4166748.9	Worker	Scenario 2	1.78E-01	5.86E-04	--
6417	644936.2	4166748.9	Worker	Scenario 2	1.74E-01	5.67E-04	--
6418	645036.2	4166748.9	Worker	Scenario 2	1.68E-01	5.47E-04	--
6419	645136.2	4166748.9	Worker	Scenario 2	1.63E-01	5.27E-04	--
6420	645236.2	4166748.9	Worker	Scenario 2	1.57E-01	5.07E-04	--
6421	645336.2	4166748.9	Worker	Scenario 2	1.52E-01	4.89E-04	--
6422	645436.2	4166748.9	Worker	Scenario 2	1.46E-01	4.71E-04	--
6423	645536.2	4166748.9	Worker	Scenario 2	1.41E-01	4.54E-04	--
6424	645636.2	4166748.9	Worker	Scenario 2	1.36E-01	4.37E-04	--
6425	645736.2	4166748.9	Worker	Scenario 2	1.31E-01	4.21E-04	--
6426	645936.2	4166748.9	Worker	Scenario 2	1.21E-01	3.89E-04	--
6427	646036.2	4166748.9	Worker	Scenario 2	1.16E-01	3.73E-04	--
6428	646436.2	4166748.9	Worker	Scenario 2	9.94E-02	3.21E-04	--
6429	646536.2	4166748.9	Worker	Scenario 2	9.60E-02	3.10E-04	--
6430	646636.2	4166748.9	Worker	Scenario 2	9.27E-02	2.99E-04	--
6431	646736.2	4166748.9	Worker	Scenario 2	8.97E-02	2.90E-04	--
6432	646836.2	4166748.9	Worker	Scenario 2	8.66E-02	2.80E-04	--
6433	646936.2	4166748.9	Worker	Scenario 2	8.39E-02	2.71E-04	--
6434	647036.2	4166748.9	Worker	Scenario 2	8.12E-02	2.63E-04	--
6435	637336.2	4166848.9	Worker	Scenario 2	4.29E-03	3.89E-05	--
6436	637436.2	4166848.9	Worker	Scenario 2	4.58E-03	4.11E-05	--
6437	637536.2	4166848.9	Worker	Scenario 2	4.58E-03	4.14E-05	--
6438	637636.2	4166848.9	Worker	Scenario 2	5.00E-03	4.43E-05	--
6439	637736.2	4166848.9	Worker	Scenario 2	5.45E-03	4.71E-05	--
6440	637836.2	4166848.9	Worker	Scenario 2	5.90E-03	4.98E-05	--
6441	637936.2	4166848.9	Worker	Scenario 2	6.66E-03	5.38E-05	--
6442	638036.2	4166848.9	Worker	Scenario 2	7.20E-03	5.68E-05	--
6443	638136.2	4166848.9	Worker	Scenario 2	7.22E-03	5.76E-05	--
6444	638236.2	4166848.9	Worker	Scenario 2	6.59E-03	5.56E-05	--
6445	638336.2	4166848.9	Worker	Scenario 2	6.61E-03	5.64E-05	--
6446	638436.2	4166848.9	Worker	Scenario 2	7.05E-03	5.94E-05	--
6447	638536.2	4166848.9	Worker	Scenario 2	7.29E-03	6.15E-05	--
6448	638636.2	4166848.9	Worker	Scenario 2	7.67E-03	6.44E-05	--
6449	638736.2	4166848.9	Worker	Scenario 2	8.26E-03	6.83E-05	--
6450	638836.2	4166848.9	Worker	Scenario 2	8.69E-03	7.16E-05	--
6451	638936.2	4166848.9	Worker	Scenario 2	9.22E-03	7.55E-05	--
6452	639036.2	4166848.9	Worker	Scenario 2	1.00E-02	8.07E-05	--
6453	639136.2	4166848.9	Worker	Scenario 2	1.10E-02	8.70E-05	--
6454	639236.2	4166848.9	Worker	Scenario 2	1.19E-02	9.32E-05	--
6455	639336.2	4166848.9	Worker	Scenario 2	1.24E-02	9.76E-05	--
6456	639436.2	4166848.9	Worker	Scenario 2	1.28E-02	1.02E-04	--
6457	639536.2	4166848.9	Worker	Scenario 2	1.33E-02	1.07E-04	--
6458	639636.2	4166848.9	Worker	Scenario 2	1.39E-02	1.12E-04	--
6459	639736.2	4166848.9	Worker	Scenario 2	1.45E-02	1.18E-04	--
6460	644836.2	4166848.9	Worker	Scenario 2	2.09E-01	6.63E-04	--
6461	644936.2	4166848.9	Worker	Scenario 2	2.01E-01	6.34E-04	--
6462	645036.2	4166848.9	Worker	Scenario 2	1.92E-01	6.06E-04	--
6463	645136.2	4166848.9	Worker	Scenario 2	1.84E-01	5.79E-04	--
6464	645236.2	4166848.9	Worker	Scenario 2	1.76E-01	5.54E-04	--
6465	645336.2	4166848.9	Worker	Scenario 2	1.69E-01	5.31E-04	--
6466	645436.2	4166848.9	Worker	Scenario 2	1.62E-01	5.08E-04	--
6467	645536.2	4166848.9	Worker	Scenario 2	1.55E-01	4.86E-04	--
6468	645636.2	4166848.9	Worker	Scenario 2	1.48E-01	4.66E-04	--
6469	645836.2	4166848.9	Worker	Scenario 2	1.35E-01	4.26E-04	--
6470	645936.2	4166848.9	Worker	Scenario 2	1.28E-01	4.06E-04	--
6471	646436.2	4166848.9	Worker	Scenario 2	1.05E-01	3.33E-04	--
6472	646536.2	4166848.9	Worker	Scenario 2	1.01E-01	3.21E-04	--
6473	646636.2	4166848.9	Worker	Scenario 2	9.72E-02	3.10E-04	--
6474	646736.2	4166848.9	Worker	Scenario 2	9.38E-02	2.99E-04	--
6475	646836.2	4166848.9	Worker	Scenario 2	9.05E-02	2.89E-04	--
6476	646936.2	4166848.9	Worker	Scenario 2	8.74E-02	2.79E-04	--
6477	647036.2	4166848.9	Worker	Scenario 2	8.46E-02	2.70E-04	--
6478	637136.2	4166948.9	Worker	Scenario 2	4.32E-03	3.83E-05	--
6479	637236.2	4166948.9	Worker	Scenario 2	4.44E-03	3.94E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6480	637336.2	4166948.9	Worker	Scenario 2	4.44E-03	3.97E-05	--
6481	637436.2	4166948.9	Worker	Scenario 2	4.86E-03	4.25E-05	--
6482	637536.2	4166948.9	Worker	Scenario 2	4.88E-03	4.30E-05	--
6483	637636.2	4166948.9	Worker	Scenario 2	5.34E-03	4.58E-05	--
6484	637736.2	4166948.9	Worker	Scenario 2	5.75E-03	4.85E-05	--
6485	637836.2	4166948.9	Worker	Scenario 2	5.52E-03	4.79E-05	--
6486	637936.2	4166948.9	Worker	Scenario 2	5.74E-03	4.96E-05	--
6487	638036.2	4166948.9	Worker	Scenario 2	6.64E-03	5.44E-05	--
6488	638136.2	4166948.9	Worker	Scenario 2	8.06E-03	6.13E-05	--
6489	638236.2	4166948.9	Worker	Scenario 2	6.97E-03	5.74E-05	--
6490	638336.2	4166948.9	Worker	Scenario 2	6.96E-03	5.81E-05	--
6491	638436.2	4166948.9	Worker	Scenario 2	7.84E-03	6.29E-05	--
6492	638536.2	4166948.9	Worker	Scenario 2	7.69E-03	6.33E-05	--
6493	638636.2	4166948.9	Worker	Scenario 2	8.13E-03	6.63E-05	--
6494	638736.2	4166948.9	Worker	Scenario 2	8.61E-03	6.97E-05	--
6495	638836.2	4166948.9	Worker	Scenario 2	9.28E-03	7.41E-05	--
6496	638936.2	4166948.9	Worker	Scenario 2	9.73E-03	7.76E-05	--
6497	639036.2	4166948.9	Worker	Scenario 2	1.04E-02	8.24E-05	--
6498	639136.2	4166948.9	Worker	Scenario 2	1.12E-02	8.74E-05	--
6499	639236.2	4166948.9	Worker	Scenario 2	1.20E-02	9.31E-05	--
6500	639336.2	4166948.9	Worker	Scenario 2	1.29E-02	9.99E-05	--
6501	639436.2	4166948.9	Worker	Scenario 2	1.37E-02	1.06E-04	--
6502	639536.2	4166948.9	Worker	Scenario 2	1.41E-02	1.11E-04	--
6503	639636.2	4166948.9	Worker	Scenario 2	1.48E-02	1.18E-04	--
6504	639736.2	4166948.9	Worker	Scenario 2	1.55E-02	1.25E-04	--
6505	639836.2	4166948.9	Worker	Scenario 2	1.63E-02	1.33E-04	--
6506	639936.2	4166948.9	Worker	Scenario 2	1.72E-02	1.42E-04	--
6507	640036.2	4166948.9	Worker	Scenario 2	1.84E-02	1.54E-04	--
6508	640136.2	4166948.9	Worker	Scenario 2	1.91E-02	1.65E-04	--
6509	640236.2	4166948.9	Worker	Scenario 2	2.05E-02	1.80E-04	--
6510	640336.2	4166948.9	Worker	Scenario 2	2.20E-02	1.96E-04	--
6511	640436.2	4166948.9	Worker	Scenario 2	2.37E-02	2.14E-04	--
6512	640536.2	4166948.9	Worker	Scenario 2	2.57E-02	2.36E-04	--
6513	640636.2	4166948.9	Worker	Scenario 2	2.79E-02	2.62E-04	--
6514	640736.2	4166948.9	Worker	Scenario 2	3.12E-02	2.99E-04	--
6515	645636.2	4166948.9	Worker	Scenario 2	1.58E-01	4.88E-04	--
6516	637036.2	4167048.9	Worker	Scenario 2	4.05E-03	3.63E-05	--
6517	637136.2	4167048.9	Worker	Scenario 2	4.61E-03	3.97E-05	--
6518	637236.2	4167048.9	Worker	Scenario 2	4.85E-03	4.13E-05	--
6519	637336.2	4167048.9	Worker	Scenario 2	4.59E-03	4.04E-05	--
6520	637436.2	4167048.9	Worker	Scenario 2	5.10E-03	4.34E-05	--
6521	637536.2	4167048.9	Worker	Scenario 2	5.18E-03	4.43E-05	--
6522	637636.2	4167048.9	Worker	Scenario 2	5.19E-03	4.49E-05	--
6523	637736.2	4167048.9	Worker	Scenario 2	5.34E-03	4.62E-05	--
6524	637836.2	4167048.9	Worker	Scenario 2	5.98E-03	4.99E-05	--
6525	637936.2	4167048.9	Worker	Scenario 2	6.16E-03	5.15E-05	--
6526	638036.2	4167048.9	Worker	Scenario 2	6.74E-03	5.48E-05	--
6527	638136.2	4167048.9	Worker	Scenario 2	7.91E-03	6.06E-05	--
6528	638236.2	4167048.9	Worker	Scenario 2	7.95E-03	6.16E-05	--
6529	638336.2	4167048.9	Worker	Scenario 2	7.44E-03	6.03E-05	--
6530	638436.2	4167048.9	Worker	Scenario 2	8.42E-03	6.55E-05	--
6531	638536.2	4167048.9	Worker	Scenario 2	8.12E-03	6.52E-05	--
6532	638636.2	4167048.9	Worker	Scenario 2	8.76E-03	6.91E-05	--
6533	638736.2	4167048.9	Worker	Scenario 2	9.02E-03	7.15E-05	--
6534	638836.2	4167048.9	Worker	Scenario 2	9.75E-03	7.61E-05	--
6535	638936.2	4167048.9	Worker	Scenario 2	1.02E-02	7.99E-05	--
6536	639036.2	4167048.9	Worker	Scenario 2	1.09E-02	8.46E-05	--
6537	639136.2	4167048.9	Worker	Scenario 2	1.16E-02	8.95E-05	--
6538	639236.2	4167048.9	Worker	Scenario 2	1.24E-02	9.52E-05	--
6539	639336.2	4167048.9	Worker	Scenario 2	1.32E-02	1.01E-04	--
6540	639436.2	4167048.9	Worker	Scenario 2	1.41E-02	1.08E-04	--
6541	639536.2	4167048.9	Worker	Scenario 2	1.47E-02	1.14E-04	--
6542	639636.2	4167048.9	Worker	Scenario 2	1.51E-02	1.21E-04	--
6543	639736.2	4167048.9	Worker	Scenario 2	1.60E-02	1.29E-04	--
6544	639836.2	4167048.9	Worker	Scenario 2	1.68E-02	1.38E-04	--
6545	639936.2	4167048.9	Worker	Scenario 2	1.78E-02	1.49E-04	--
6546	640036.2	4167048.9	Worker	Scenario 2	1.90E-02	1.62E-04	--
6547	640136.2	4167048.9	Worker	Scenario 2	2.02E-02	1.75E-04	--
6548	640236.2	4167048.9	Worker	Scenario 2	2.16E-02	1.91E-04	--
6549	640336.2	4167048.9	Worker	Scenario 2	2.32E-02	2.08E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6550	640436.2	4167048.9	Worker	Scenario 2	2.52E-02	2.29E-04	--
6551	640536.2	4167048.9	Worker	Scenario 2	2.73E-02	2.54E-04	--
6552	641036.2	4167048.9	Worker	Scenario 2	5.11E-02	5.55E-04	--
6553	641136.2	4167048.9	Worker	Scenario 2	6.63E-02	7.53E-04	--
6554	644836.2	4167048.9	Worker	Scenario 2	2.72E-01	8.15E-04	--
6555	644936.2	4167048.9	Worker	Scenario 2	2.50E-01	7.54E-04	--
6556	645036.2	4167048.9	Worker	Scenario 2	2.34E-01	7.06E-04	--
6557	645136.2	4167048.9	Worker	Scenario 2	2.19E-01	6.65E-04	--
6558	645436.2	4167048.9	Worker	Scenario 2	1.84E-01	5.62E-04	--
6559	645536.2	4167048.9	Worker	Scenario 2	1.75E-01	5.33E-04	--
6560	645636.2	4167048.9	Worker	Scenario 2	1.66E-01	5.07E-04	--
6561	645836.2	4167048.9	Worker	Scenario 2	1.50E-01	4.60E-04	--
6562	645936.2	4167048.9	Worker	Scenario 2	1.43E-01	4.39E-04	--
6563	646436.2	4167048.9	Worker	Scenario 2	1.14E-01	3.54E-04	--
6564	646536.2	4167048.9	Worker	Scenario 2	1.09E-01	3.40E-04	--
6565	646636.2	4167048.9	Worker	Scenario 2	1.05E-01	3.27E-04	--
6566	646736.2	4167048.9	Worker	Scenario 2	1.01E-01	3.15E-04	--
6567	646936.2	4167048.9	Worker	Scenario 2	9.35E-02	2.92E-04	--
6568	647036.2	4167048.9	Worker	Scenario 2	9.02E-02	2.82E-04	--
6569	636936.2	4167148.9	Worker	Scenario 2	4.28E-03	3.72E-05	--
6570	637036.2	4167148.9	Worker	Scenario 2	4.09E-03	3.65E-05	--
6571	637136.2	4167148.9	Worker	Scenario 2	4.46E-03	3.88E-05	--
6572	637236.2	4167148.9	Worker	Scenario 2	4.73E-03	4.05E-05	--
6573	637336.2	4167148.9	Worker	Scenario 2	5.02E-03	4.23E-05	--
6574	637436.2	4167148.9	Worker	Scenario 2	5.31E-03	4.42E-05	--
6575	637536.2	4167148.9	Worker	Scenario 2	5.32E-03	4.48E-05	--
6576	637636.2	4167148.9	Worker	Scenario 2	5.11E-03	4.43E-05	--
6577	637736.2	4167148.9	Worker	Scenario 2	5.78E-03	4.80E-05	--
6578	637836.2	4167148.9	Worker	Scenario 2	5.92E-03	4.94E-05	--
6579	637936.2	4167148.9	Worker	Scenario 2	6.50E-03	5.26E-05	--
6580	638036.2	4167148.9	Worker	Scenario 2	7.41E-03	5.73E-05	--
6581	638136.2	4167148.9	Worker	Scenario 2	7.38E-03	5.80E-05	--
6582	638236.2	4167148.9	Worker	Scenario 2	8.95E-03	6.56E-05	--
6583	638336.2	4167148.9	Worker	Scenario 2	8.01E-03	6.26E-05	--
6584	638436.2	4167148.9	Worker	Scenario 2	8.68E-03	6.64E-05	--
6585	638536.2	4167148.9	Worker	Scenario 2	8.63E-03	6.73E-05	--
6586	638636.2	4167148.9	Worker	Scenario 2	9.10E-03	7.04E-05	--
6587	638736.2	4167148.9	Worker	Scenario 2	9.53E-03	7.36E-05	--
6588	638836.2	4167148.9	Worker	Scenario 2	1.01E-02	7.76E-05	--
6589	638936.2	4167148.9	Worker	Scenario 2	1.05E-02	8.13E-05	--
6590	639036.2	4167148.9	Worker	Scenario 2	1.11E-02	8.60E-05	--
6591	639136.2	4167148.9	Worker	Scenario 2	1.18E-02	9.11E-05	--
6592	639236.2	4167148.9	Worker	Scenario 2	1.25E-02	9.65E-05	--
6593	639336.2	4167148.9	Worker	Scenario 2	1.32E-02	1.03E-04	--
6594	639436.2	4167148.9	Worker	Scenario 2	1.42E-02	1.10E-04	--
6595	639536.2	4167148.9	Worker	Scenario 2	1.50E-02	1.17E-04	--
6596	639636.2	4167148.9	Worker	Scenario 2	1.57E-02	1.24E-04	--
6597	639736.2	4167148.9	Worker	Scenario 2	1.66E-02	1.33E-04	--
6598	639836.2	4167148.9	Worker	Scenario 2	1.76E-02	1.43E-04	--
6599	639936.2	4167148.9	Worker	Scenario 2	1.87E-02	1.55E-04	--
6600	640036.2	4167148.9	Worker	Scenario 2	1.99E-02	1.68E-04	--
6601	640136.2	4167148.9	Worker	Scenario 2	2.12E-02	1.83E-04	--
6602	640236.2	4167148.9	Worker	Scenario 2	2.27E-02	2.00E-04	--
6603	640336.2	4167148.9	Worker	Scenario 2	2.45E-02	2.20E-04	--
6604	640436.2	4167148.9	Worker	Scenario 2	2.65E-02	2.43E-04	--
6605	640836.2	4167148.9	Worker	Scenario 2	3.94E-02	4.03E-04	--
6606	640936.2	4167148.9	Worker	Scenario 2	4.55E-02	4.82E-04	--
6607	641036.2	4167148.9	Worker	Scenario 2	5.49E-02	6.04E-04	--
6608	641136.2	4167148.9	Worker	Scenario 2	7.09E-02	8.15E-04	--
6609	644836.2	4167148.9	Worker	Scenario 2	2.93E-01	8.65E-04	--
6610	644936.2	4167148.9	Worker	Scenario 2	2.71E-01	8.03E-04	--
6611	645036.2	4167148.9	Worker	Scenario 2	2.52E-01	7.49E-04	--
6612	645136.2	4167148.9	Worker	Scenario 2	2.35E-01	7.01E-04	--
6613	645436.2	4167148.9	Worker	Scenario 2	1.95E-01	5.87E-04	--
6614	645536.2	4167148.9	Worker	Scenario 2	1.84E-01	5.55E-04	--
6615	645636.2	4167148.9	Worker	Scenario 2	1.74E-01	5.26E-04	--
6616	645836.2	4167148.9	Worker	Scenario 2	1.56E-01	4.74E-04	--
6617	645936.2	4167148.9	Worker	Scenario 2	1.48E-01	4.52E-04	--
6618	646036.2	4167148.9	Worker	Scenario 2	1.41E-01	4.31E-04	--
6619	646336.2	4167148.9	Worker	Scenario 2	1.23E-01	3.77E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6620	646436.2	4167148.9	Worker	Scenario 2	1.18E-01	3.62E-04	--
6621	646536.2	4167148.9	Worker	Scenario 2	1.13E-01	3.47E-04	--
6622	646636.2	4167148.9	Worker	Scenario 2	1.08E-01	3.33E-04	--
6623	646736.2	4167148.9	Worker	Scenario 2	1.04E-01	3.21E-04	--
6624	646836.2	4167148.9	Worker	Scenario 2	9.97E-02	3.09E-04	--
6625	646936.2	4167148.9	Worker	Scenario 2	9.60E-02	2.97E-04	--
6626	647036.2	4167148.9	Worker	Scenario 2	9.24E-02	2.87E-04	--
6627	636836.2	4167248.9	Worker	Scenario 2	4.11E-03	3.60E-05	--
6628	636936.2	4167248.9	Worker	Scenario 2	4.56E-03	3.84E-05	--
6629	637036.2	4167248.9	Worker	Scenario 2	4.30E-03	3.76E-05	--
6630	637136.2	4167248.9	Worker	Scenario 2	4.66E-03	3.97E-05	--
6631	637236.2	4167248.9	Worker	Scenario 2	4.84E-03	4.10E-05	--
6632	637336.2	4167248.9	Worker	Scenario 2	5.38E-03	4.38E-05	--
6633	637436.2	4167248.9	Worker	Scenario 2	5.57E-03	4.52E-05	--
6634	637536.2	4167248.9	Worker	Scenario 2	5.58E-03	4.57E-05	--
6635	637636.2	4167248.9	Worker	Scenario 2	5.44E-03	4.57E-05	--
6636	637736.2	4167248.9	Worker	Scenario 2	6.00E-03	4.87E-05	--
6637	637836.2	4167248.9	Worker	Scenario 2	7.09E-03	5.39E-05	--
6638	637936.2	4167248.9	Worker	Scenario 2	6.33E-03	5.15E-05	--
6639	638036.2	4167248.9	Worker	Scenario 2	6.87E-03	5.46E-05	--
6640	638136.2	4167248.9	Worker	Scenario 2	8.07E-03	6.05E-05	--
6641	638236.2	4167248.9	Worker	Scenario 2	8.29E-03	6.23E-05	--
6642	638336.2	4167248.9	Worker	Scenario 2	8.75E-03	6.53E-05	--
6643	638436.2	4167248.9	Worker	Scenario 2	8.87E-03	6.68E-05	--
6644	638536.2	4167248.9	Worker	Scenario 2	9.41E-03	7.03E-05	--
6645	638636.2	4167248.9	Worker	Scenario 2	9.38E-03	7.13E-05	--
6646	638736.2	4167248.9	Worker	Scenario 2	9.79E-03	7.44E-05	--
6647	638836.2	4167248.9	Worker	Scenario 2	1.02E-02	7.80E-05	--
6648	638936.2	4167248.9	Worker	Scenario 2	1.08E-02	8.23E-05	--
6649	639036.2	4167248.9	Worker	Scenario 2	1.14E-02	8.67E-05	--
6650	639136.2	4167248.9	Worker	Scenario 2	1.20E-02	9.20E-05	--
6651	639236.2	4167248.9	Worker	Scenario 2	1.27E-02	9.77E-05	--
6652	639336.2	4167248.9	Worker	Scenario 2	1.35E-02	1.04E-04	--
6653	639436.2	4167248.9	Worker	Scenario 2	1.43E-02	1.11E-04	--
6654	639536.2	4167248.9	Worker	Scenario 2	1.52E-02	1.19E-04	--
6655	639636.2	4167248.9	Worker	Scenario 2	1.61E-02	1.27E-04	--
6656	639736.2	4167248.9	Worker	Scenario 2	1.70E-02	1.36E-04	--
6657	639836.2	4167248.9	Worker	Scenario 2	1.81E-02	1.46E-04	--
6658	639936.2	4167248.9	Worker	Scenario 2	1.93E-02	1.58E-04	--
6659	640036.2	4167248.9	Worker	Scenario 2	2.06E-02	1.72E-04	--
6660	640136.2	4167248.9	Worker	Scenario 2	2.20E-02	1.89E-04	--
6661	640236.2	4167248.9	Worker	Scenario 2	2.37E-02	2.07E-04	--
6662	640336.2	4167248.9	Worker	Scenario 2	2.55E-02	2.29E-04	--
6663	640636.2	4167248.9	Worker	Scenario 2	3.35E-02	3.26E-04	--
6664	640736.2	4167248.9	Worker	Scenario 2	3.76E-02	3.77E-04	--
6665	640836.2	4167248.9	Worker	Scenario 2	4.18E-02	4.33E-04	--
6666	640936.2	4167248.9	Worker	Scenario 2	4.85E-02	5.23E-04	--
6667	641036.2	4167248.9	Worker	Scenario 2	5.85E-02	6.55E-04	--
6668	641136.2	4167248.9	Worker	Scenario 2	7.55E-02	8.81E-04	--
6669	645036.2	4167248.9	Worker	Scenario 2	2.66E-01	7.81E-04	--
6670	645136.2	4167248.9	Worker	Scenario 2	2.47E-01	7.28E-04	--
6671	645336.2	4167248.9	Worker	Scenario 2	2.16E-01	6.41E-04	--
6672	645436.2	4167248.9	Worker	Scenario 2	2.03E-01	6.04E-04	--
6673	645536.2	4167248.9	Worker	Scenario 2	1.91E-01	5.71E-04	--
6674	645636.2	4167248.9	Worker	Scenario 2	1.80E-01	5.39E-04	--
6675	645736.2	4167248.9	Worker	Scenario 2	1.70E-01	5.11E-04	--
6676	645836.2	4167248.9	Worker	Scenario 2	1.61E-01	4.85E-04	--
6677	645936.2	4167248.9	Worker	Scenario 2	1.53E-01	4.62E-04	--
6678	646036.2	4167248.9	Worker	Scenario 2	1.45E-01	4.40E-04	--
6679	646136.2	4167248.9	Worker	Scenario 2	1.38E-01	4.19E-04	--
6680	646336.2	4167248.9	Worker	Scenario 2	1.26E-01	3.83E-04	--
6681	646436.2	4167248.9	Worker	Scenario 2	1.20E-01	3.67E-04	--
6682	646536.2	4167248.9	Worker	Scenario 2	1.15E-01	3.52E-04	--
6683	646636.2	4167248.9	Worker	Scenario 2	1.10E-01	3.38E-04	--
6684	646736.2	4167248.9	Worker	Scenario 2	1.06E-01	3.25E-04	--
6685	646836.2	4167248.9	Worker	Scenario 2	1.02E-01	3.12E-04	--
6686	646936.2	4167248.9	Worker	Scenario 2	9.78E-02	3.01E-04	--
6687	647036.2	4167248.9	Worker	Scenario 2	9.40E-02	2.90E-04	--
6688	636736.2	4167348.9	Worker	Scenario 2	4.28E-03	3.63E-05	--
6689	636836.2	4167348.9	Worker	Scenario 2	4.18E-03	3.63E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6690	636936.2	4167348.9	Worker	Scenario 2	4.73E-03	3.92E-05	--
6691	637036.2	4167348.9	Worker	Scenario 2	4.80E-03	4.00E-05	--
6692	637136.2	4167348.9	Worker	Scenario 2	4.52E-03	3.91E-05	--
6693	637236.2	4167348.9	Worker	Scenario 2	4.61E-03	3.99E-05	--
6694	637336.2	4167348.9	Worker	Scenario 2	4.90E-03	4.17E-05	--
6695	637436.2	4167348.9	Worker	Scenario 2	5.74E-03	4.59E-05	--
6696	637536.2	4167348.9	Worker	Scenario 2	5.87E-03	4.70E-05	--
6697	637636.2	4167348.9	Worker	Scenario 2	5.77E-03	4.71E-05	--
6698	637736.2	4167348.9	Worker	Scenario 2	6.00E-03	4.87E-05	--
6699	637836.2	4167348.9	Worker	Scenario 2	7.22E-03	5.44E-05	--
6700	637936.2	4167348.9	Worker	Scenario 2	7.22E-03	5.51E-05	--
6701	638036.2	4167348.9	Worker	Scenario 2	7.51E-03	5.70E-05	--
6702	638136.2	4167348.9	Worker	Scenario 2	7.94E-03	5.97E-05	--
6703	638236.2	4167348.9	Worker	Scenario 2	8.05E-03	6.10E-05	--
6704	638336.2	4167348.9	Worker	Scenario 2	9.43E-03	6.81E-05	--
6705	638436.2	4167348.9	Worker	Scenario 2	9.66E-03	7.02E-05	--
6706	638536.2	4167348.9	Worker	Scenario 2	9.08E-03	6.85E-05	--
6707	638636.2	4167348.9	Worker	Scenario 2	9.67E-03	7.23E-05	--
6708	638736.2	4167348.9	Worker	Scenario 2	9.93E-03	7.49E-05	--
6709	638836.2	4167348.9	Worker	Scenario 2	1.04E-02	7.84E-05	--
6710	638936.2	4167348.9	Worker	Scenario 2	1.10E-02	8.29E-05	--
6711	639036.2	4167348.9	Worker	Scenario 2	1.15E-02	8.70E-05	--
6712	639136.2	4167348.9	Worker	Scenario 2	1.21E-02	9.19E-05	--
6713	639236.2	4167348.9	Worker	Scenario 2	1.29E-02	9.81E-05	--
6714	639336.2	4167348.9	Worker	Scenario 2	1.37E-02	1.05E-04	--
6715	639436.2	4167348.9	Worker	Scenario 2	1.45E-02	1.12E-04	--
6716	639536.2	4167348.9	Worker	Scenario 2	1.54E-02	1.20E-04	--
6717	639636.2	4167348.9	Worker	Scenario 2	1.64E-02	1.29E-04	--
6718	639736.2	4167348.9	Worker	Scenario 2	1.73E-02	1.38E-04	--
6719	639836.2	4167348.9	Worker	Scenario 2	1.84E-02	1.48E-04	--
6720	639936.2	4167348.9	Worker	Scenario 2	1.96E-02	1.61E-04	--
6721	640036.2	4167348.9	Worker	Scenario 2	2.11E-02	1.76E-04	--
6722	640136.2	4167348.9	Worker	Scenario 2	2.26E-02	1.93E-04	--
6723	640236.2	4167348.9	Worker	Scenario 2	2.44E-02	2.13E-04	--
6724	640536.2	4167348.9	Worker	Scenario 2	3.17E-02	3.01E-04	--
6725	640636.2	4167348.9	Worker	Scenario 2	3.54E-02	3.46E-04	--
6726	640736.2	4167348.9	Worker	Scenario 2	3.87E-02	3.94E-04	--
6727	640836.2	4167348.9	Worker	Scenario 2	4.39E-02	4.64E-04	--
6728	640936.2	4167348.9	Worker	Scenario 2	5.12E-02	5.62E-04	--
6729	641036.2	4167348.9	Worker	Scenario 2	6.18E-02	7.07E-04	--
6730	641136.2	4167348.9	Worker	Scenario 2	7.97E-02	9.54E-04	--
6731	644836.2	4167348.9	Worker	Scenario 2	3.23E-01	9.31E-04	--
6732	644936.2	4167348.9	Worker	Scenario 2	2.96E-01	8.59E-04	--
6733	645036.2	4167348.9	Worker	Scenario 2	2.74E-01	7.98E-04	--
6734	645136.2	4167348.9	Worker	Scenario 2	2.54E-01	7.43E-04	--
6735	645236.2	4167348.9	Worker	Scenario 2	2.37E-01	6.96E-04	--
6736	645336.2	4167348.9	Worker	Scenario 2	2.22E-01	6.53E-04	--
6737	645436.2	4167348.9	Worker	Scenario 2	2.08E-01	6.14E-04	--
6738	645536.2	4167348.9	Worker	Scenario 2	1.95E-01	5.79E-04	--
6739	645636.2	4167348.9	Worker	Scenario 2	1.84E-01	5.47E-04	--
6740	645736.2	4167348.9	Worker	Scenario 2	1.74E-01	5.18E-04	--
6741	645836.2	4167348.9	Worker	Scenario 2	1.64E-01	4.91E-04	--
6742	645936.2	4167348.9	Worker	Scenario 2	1.56E-01	4.67E-04	--
6743	646036.2	4167348.9	Worker	Scenario 2	1.48E-01	4.44E-04	--
6744	646336.2	4167348.9	Worker	Scenario 2	1.28E-01	3.86E-04	--
6745	646436.2	4167348.9	Worker	Scenario 2	1.22E-01	3.70E-04	--
6746	646536.2	4167348.9	Worker	Scenario 2	1.17E-01	3.54E-04	--
6747	646636.2	4167348.9	Worker	Scenario 2	1.12E-01	3.40E-04	--
6748	646736.2	4167348.9	Worker	Scenario 2	1.07E-01	3.27E-04	--
6749	646836.2	4167348.9	Worker	Scenario 2	1.03E-01	3.14E-04	--
6750	646936.2	4167348.9	Worker	Scenario 2	9.88E-02	3.02E-04	--
6751	647036.2	4167348.9	Worker	Scenario 2	9.50E-02	2.91E-04	--
6752	636636.2	4167448.9	Worker	Scenario 2	4.06E-03	3.49E-05	--
6753	636736.2	4167448.9	Worker	Scenario 2	4.45E-03	3.71E-05	--
6754	636836.2	4167448.9	Worker	Scenario 2	4.82E-03	3.92E-05	--
6755	636936.2	4167448.9	Worker	Scenario 2	4.88E-03	3.99E-05	--
6756	637036.2	4167448.9	Worker	Scenario 2	4.36E-03	3.80E-05	--
6757	637136.2	4167448.9	Worker	Scenario 2	4.60E-03	3.95E-05	--
6758	637236.2	4167448.9	Worker	Scenario 2	4.78E-03	4.09E-05	--
6759	637336.2	4167448.9	Worker	Scenario 2	5.17E-03	4.31E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6760	637436.2	4167448.9	Worker	Scenario 2	5.40E-03	4.46E-05	--
6761	637536.2	4167448.9	Worker	Scenario 2	6.15E-03	4.84E-05	--
6762	637636.2	4167448.9	Worker	Scenario 2	6.08E-03	4.87E-05	--
6763	637736.2	4167448.9	Worker	Scenario 2	6.30E-03	5.02E-05	--
6764	637836.2	4167448.9	Worker	Scenario 2	6.28E-03	5.07E-05	--
6765	637936.2	4167448.9	Worker	Scenario 2	7.60E-03	5.70E-05	--
6766	638036.2	4167448.9	Worker	Scenario 2	7.56E-03	5.75E-05	--
6767	638136.2	4167448.9	Worker	Scenario 2	7.76E-03	5.91E-05	--
6768	638236.2	4167448.9	Worker	Scenario 2	8.49E-03	6.31E-05	--
6769	638336.2	4167448.9	Worker	Scenario 2	8.75E-03	6.52E-05	--
6770	638436.2	4167448.9	Worker	Scenario 2	9.79E-03	7.12E-05	--
6771	638536.2	4167448.9	Worker	Scenario 2	9.37E-03	6.99E-05	--
6772	638636.2	4167448.9	Worker	Scenario 2	9.78E-03	7.29E-05	--
6773	638736.2	4167448.9	Worker	Scenario 2	1.02E-02	7.61E-05	--
6774	638836.2	4167448.9	Worker	Scenario 2	1.06E-02	7.96E-05	--
6775	638936.2	4167448.9	Worker	Scenario 2	1.12E-02	8.37E-05	--
6776	639036.2	4167448.9	Worker	Scenario 2	1.17E-02	8.80E-05	--
6777	639136.2	4167448.9	Worker	Scenario 2	1.22E-02	9.25E-05	--
6778	639236.2	4167448.9	Worker	Scenario 2	1.29E-02	9.84E-05	--
6779	639336.2	4167448.9	Worker	Scenario 2	1.37E-02	1.05E-04	--
6780	639436.2	4167448.9	Worker	Scenario 2	1.46E-02	1.12E-04	--
6781	639536.2	4167448.9	Worker	Scenario 2	1.55E-02	1.21E-04	--
6782	639636.2	4167448.9	Worker	Scenario 2	1.67E-02	1.32E-04	--
6783	639736.2	4167448.9	Worker	Scenario 2	1.75E-02	1.39E-04	--
6784	639836.2	4167448.9	Worker	Scenario 2	1.86E-02	1.50E-04	--
6785	639936.2	4167448.9	Worker	Scenario 2	1.99E-02	1.63E-04	--
6786	640036.2	4167448.9	Worker	Scenario 2	2.14E-02	1.79E-04	--
6787	640136.2	4167448.9	Worker	Scenario 2	2.32E-02	1.99E-04	--
6788	640436.2	4167448.9	Worker	Scenario 2	2.95E-02	2.74E-04	--
6789	640536.2	4167448.9	Worker	Scenario 2	3.27E-02	3.12E-04	--
6790	640636.2	4167448.9	Worker	Scenario 2	3.60E-02	3.55E-04	--
6791	640736.2	4167448.9	Worker	Scenario 2	4.01E-02	4.11E-04	--
6792	640836.2	4167448.9	Worker	Scenario 2	4.56E-02	4.88E-04	--
6793	644836.2	4167448.9	Worker	Scenario 2	3.24E-01	9.32E-04	--
6794	644936.2	4167448.9	Worker	Scenario 2	2.98E-01	8.61E-04	--
6795	645036.2	4167448.9	Worker	Scenario 2	2.76E-01	7.99E-04	--
6796	645136.2	4167448.9	Worker	Scenario 2	2.56E-01	7.45E-04	--
6797	645236.2	4167448.9	Worker	Scenario 2	2.38E-01	6.97E-04	--
6798	645336.2	4167448.9	Worker	Scenario 2	2.23E-01	6.54E-04	--
6799	645436.2	4167448.9	Worker	Scenario 2	2.09E-01	6.15E-04	--
6800	645536.2	4167448.9	Worker	Scenario 2	1.96E-01	5.79E-04	--
6801	645636.2	4167448.9	Worker	Scenario 2	1.85E-01	5.47E-04	--
6802	645736.2	4167448.9	Worker	Scenario 2	1.74E-01	5.18E-04	--
6803	645836.2	4167448.9	Worker	Scenario 2	1.65E-01	4.91E-04	--
6804	645936.2	4167448.9	Worker	Scenario 2	1.56E-01	4.66E-04	--
6805	646336.2	4167448.9	Worker	Scenario 2	1.28E-01	3.86E-04	--
6806	646436.2	4167448.9	Worker	Scenario 2	1.22E-01	3.69E-04	--
6807	646536.2	4167448.9	Worker	Scenario 2	1.17E-01	3.54E-04	--
6808	646636.2	4167448.9	Worker	Scenario 2	1.12E-01	3.40E-04	--
6809	646736.2	4167448.9	Worker	Scenario 2	1.07E-01	3.26E-04	--
6810	646836.2	4167448.9	Worker	Scenario 2	1.03E-01	3.14E-04	--
6811	646936.2	4167448.9	Worker	Scenario 2	9.90E-02	3.02E-04	--
6812	647036.2	4167448.9	Worker	Scenario 2	9.51E-02	2.91E-04	--
6813	636536.2	4167548.9	Worker	Scenario 2	4.17E-03	3.51E-05	--
6814	636636.2	4167548.9	Worker	Scenario 2	4.45E-03	3.68E-05	--
6815	636736.2	4167548.9	Worker	Scenario 2	4.56E-03	3.78E-05	--
6816	636836.2	4167548.9	Worker	Scenario 2	4.70E-03	3.88E-05	--
6817	636936.2	4167548.9	Worker	Scenario 2	4.43E-03	3.80E-05	--
6818	637036.2	4167548.9	Worker	Scenario 2	4.36E-03	3.81E-05	--
6819	637136.2	4167548.9	Worker	Scenario 2	4.72E-03	4.03E-05	--
6820	637236.2	4167548.9	Worker	Scenario 2	5.03E-03	4.22E-05	--
6821	637336.2	4167548.9	Worker	Scenario 2	5.00E-03	4.26E-05	--
6822	637436.2	4167548.9	Worker	Scenario 2	5.65E-03	4.61E-05	--
6823	637536.2	4167548.9	Worker	Scenario 2	5.62E-03	4.65E-05	--
6824	637636.2	4167548.9	Worker	Scenario 2	6.61E-03	5.14E-05	--
6825	637736.2	4167548.9	Worker	Scenario 2	6.58E-03	5.19E-05	--
6826	637836.2	4167548.9	Worker	Scenario 2	6.72E-03	5.32E-05	--
6827	637936.2	4167548.9	Worker	Scenario 2	7.96E-03	5.95E-05	--
6828	638036.2	4167548.9	Worker	Scenario 2	8.24E-03	6.14E-05	--
6829	638136.2	4167548.9	Worker	Scenario 2	7.71E-03	5.96E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6830	638236.2	4167548.9	Worker	Scenario 2	8.83E-03	6.56E-05	--
6831	638336.2	4167548.9	Worker	Scenario 2	8.56E-03	6.50E-05	--
6832	638436.2	4167548.9	Worker	Scenario 2	9.74E-03	7.19E-05	--
6833	638536.2	4167548.9	Worker	Scenario 2	9.60E-03	7.18E-05	--
6834	638636.2	4167548.9	Worker	Scenario 2	9.84E-03	7.43E-05	--
6835	638736.2	4167548.9	Worker	Scenario 2	1.05E-02	7.87E-05	--
6836	638836.2	4167548.9	Worker	Scenario 2	1.07E-02	8.11E-05	--
6837	638936.2	4167548.9	Worker	Scenario 2	1.13E-02	8.59E-05	--
6838	639036.2	4167548.9	Worker	Scenario 2	1.18E-02	8.98E-05	--
6839	639136.2	4167548.9	Worker	Scenario 2	1.24E-02	9.44E-05	--
6840	639236.2	4167548.9	Worker	Scenario 2	1.31E-02	1.00E-04	--
6841	639336.2	4167548.9	Worker	Scenario 2	1.39E-02	1.07E-04	--
6842	639436.2	4167548.9	Worker	Scenario 2	1.47E-02	1.15E-04	--
6843	639536.2	4167548.9	Worker	Scenario 2	1.56E-02	1.23E-04	--
6844	639636.2	4167548.9	Worker	Scenario 2	1.67E-02	1.33E-04	--
6845	639736.2	4167548.9	Worker	Scenario 2	1.77E-02	1.42E-04	--
6846	639836.2	4167548.9	Worker	Scenario 2	1.88E-02	1.54E-04	--
6847	639936.2	4167548.9	Worker	Scenario 2	2.02E-02	1.67E-04	--
6848	640036.2	4167548.9	Worker	Scenario 2	2.17E-02	1.83E-04	--
6849	640236.2	4167548.9	Worker	Scenario 2	2.57E-02	2.27E-04	--
6850	640336.2	4167548.9	Worker	Scenario 2	2.80E-02	2.55E-04	--
6851	640436.2	4167548.9	Worker	Scenario 2	3.04E-02	2.84E-04	--
6852	644536.2	4167548.9	Worker	Scenario 2	4.16E-01	1.18E-03	--
6853	644736.2	4167548.9	Worker	Scenario 2	3.45E-01	9.87E-04	--
6854	644836.2	4167548.9	Worker	Scenario 2	3.16E-01	9.10E-04	--
6855	644936.2	4167548.9	Worker	Scenario 2	2.92E-01	8.42E-04	--
6856	645036.2	4167548.9	Worker	Scenario 2	2.70E-01	7.83E-04	--
6857	645136.2	4167548.9	Worker	Scenario 2	2.51E-01	7.31E-04	--
6858	645236.2	4167548.9	Worker	Scenario 2	2.34E-01	6.85E-04	--
6859	645336.2	4167548.9	Worker	Scenario 2	2.19E-01	6.43E-04	--
6860	645436.2	4167548.9	Worker	Scenario 2	2.06E-01	6.05E-04	--
6861	645536.2	4167548.9	Worker	Scenario 2	1.94E-01	5.71E-04	--
6862	645636.2	4167548.9	Worker	Scenario 2	1.82E-01	5.39E-04	--
6863	645736.2	4167548.9	Worker	Scenario 2	1.72E-01	5.11E-04	--
6864	645836.2	4167548.9	Worker	Scenario 2	1.63E-01	4.85E-04	--
6865	645936.2	4167548.9	Worker	Scenario 2	1.54E-01	4.61E-04	--
6866	646036.2	4167548.9	Worker	Scenario 2	1.47E-01	4.39E-04	--
6867	646236.2	4167548.9	Worker	Scenario 2	1.33E-01	3.99E-04	--
6868	646336.2	4167548.9	Worker	Scenario 2	1.27E-01	3.82E-04	--
6869	646436.2	4167548.9	Worker	Scenario 2	1.21E-01	3.65E-04	--
6870	646536.2	4167548.9	Worker	Scenario 2	1.16E-01	3.50E-04	--
6871	646636.2	4167548.9	Worker	Scenario 2	1.11E-01	3.36E-04	--
6872	646736.2	4167548.9	Worker	Scenario 2	1.07E-01	3.23E-04	--
6873	646836.2	4167548.9	Worker	Scenario 2	1.02E-01	3.11E-04	--
6874	646936.2	4167548.9	Worker	Scenario 2	9.84E-02	2.99E-04	--
6875	647036.2	4167548.9	Worker	Scenario 2	9.45E-02	2.88E-04	--
6876	636436.2	4167648.9	Worker	Scenario 2	4.17E-03	3.48E-05	--
6877	636536.2	4167648.9	Worker	Scenario 2	4.42E-03	3.64E-05	--
6878	636636.2	4167648.9	Worker	Scenario 2	4.75E-03	3.82E-05	--
6879	636736.2	4167648.9	Worker	Scenario 2	4.66E-03	3.83E-05	--
6880	636836.2	4167648.9	Worker	Scenario 2	4.87E-03	3.97E-05	--
6881	636936.2	4167648.9	Worker	Scenario 2	4.79E-03	3.98E-05	--
6882	637036.2	4167648.9	Worker	Scenario 2	4.64E-03	3.95E-05	--
6883	637136.2	4167648.9	Worker	Scenario 2	4.97E-03	4.16E-05	--
6884	637236.2	4167648.9	Worker	Scenario 2	4.97E-03	4.21E-05	--
6885	637336.2	4167648.9	Worker	Scenario 2	5.36E-03	4.45E-05	--
6886	637436.2	4167648.9	Worker	Scenario 2	5.98E-03	4.79E-05	--
6887	637536.2	4167648.9	Worker	Scenario 2	5.54E-03	4.65E-05	--
6888	637636.2	4167648.9	Worker	Scenario 2	6.43E-03	5.11E-05	--
6889	637736.2	4167648.9	Worker	Scenario 2	6.88E-03	5.38E-05	--
6890	637836.2	4167648.9	Worker	Scenario 2	6.54E-03	5.29E-05	--
6891	637936.2	4167648.9	Worker	Scenario 2	7.50E-03	5.81E-05	--
6892	638036.2	4167648.9	Worker	Scenario 2	8.62E-03	6.43E-05	--
6893	638136.2	4167648.9	Worker	Scenario 2	7.97E-03	6.17E-05	--
6894	638236.2	4167648.9	Worker	Scenario 2	8.48E-03	6.49E-05	--
6895	638336.2	4167648.9	Worker	Scenario 2	8.98E-03	6.81E-05	--
6896	638436.2	4167648.9	Worker	Scenario 2	9.48E-03	7.16E-05	--
6897	638536.2	4167648.9	Worker	Scenario 2	1.02E-02	7.64E-05	--
6898	638636.2	4167648.9	Worker	Scenario 2	1.00E-02	7.64E-05	--
6899	638736.2	4167648.9	Worker	Scenario 2	1.06E-02	8.07E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6900	638836.2	4167648.9	Worker	Scenario 2	1.10E-02	8.39E-05	--
6901	638936.2	4167648.9	Worker	Scenario 2	1.16E-02	8.86E-05	--
6902	639036.2	4167648.9	Worker	Scenario 2	1.20E-02	9.26E-05	--
6903	639136.2	4167648.9	Worker	Scenario 2	1.26E-02	9.75E-05	--
6904	639236.2	4167648.9	Worker	Scenario 2	1.33E-02	1.03E-04	--
6905	639336.2	4167648.9	Worker	Scenario 2	1.41E-02	1.10E-04	--
6906	639436.2	4167648.9	Worker	Scenario 2	1.51E-02	1.19E-04	--
6907	639536.2	4167648.9	Worker	Scenario 2	1.59E-02	1.27E-04	--
6908	639636.2	4167648.9	Worker	Scenario 2	1.70E-02	1.37E-04	--
6909	639736.2	4167648.9	Worker	Scenario 2	1.82E-02	1.49E-04	--
6910	639836.2	4167648.9	Worker	Scenario 2	1.93E-02	1.59E-04	--
6911	639936.2	4167648.9	Worker	Scenario 2	2.06E-02	1.73E-04	--
6912	640136.2	4167648.9	Worker	Scenario 2	2.41E-02	2.10E-04	--
6913	643436.2	4167648.9	Worker	Scenario 2	1.40E+00	3.88E-03	--
6914	643536.2	4167648.9	Worker	Scenario 2	1.27E+00	3.49E-03	--
6915	643636.2	4167648.9	Worker	Scenario 2	1.11E+00	3.05E-03	--
6916	643736.2	4167648.9	Worker	Scenario 2	9.65E-01	2.66E-03	--
6917	643836.2	4167648.9	Worker	Scenario 2	8.44E-01	2.33E-03	--
6918	643936.2	4167648.9	Worker	Scenario 2	7.40E-01	2.06E-03	--
6919	644036.2	4167648.9	Worker	Scenario 2	6.55E-01	1.83E-03	--
6920	644136.2	4167648.9	Worker	Scenario 2	5.81E-01	1.63E-03	--
6921	644236.2	4167648.9	Worker	Scenario 2	5.20E-01	1.46E-03	--
6922	644336.2	4167648.9	Worker	Scenario 2	4.68E-01	1.33E-03	--
6923	644436.2	4167648.9	Worker	Scenario 2	4.24E-01	1.21E-03	--
6924	644536.2	4167648.9	Worker	Scenario 2	3.86E-01	1.10E-03	--
6925	645136.2	4167648.9	Worker	Scenario 2	2.40E-01	7.02E-04	--
6926	645336.2	4167648.9	Worker	Scenario 2	2.12E-01	6.22E-04	--
6927	645436.2	4167648.9	Worker	Scenario 2	1.99E-01	5.86E-04	--
6928	645536.2	4167648.9	Worker	Scenario 2	1.87E-01	5.53E-04	--
6929	645636.2	4167648.9	Worker	Scenario 2	1.77E-01	5.24E-04	--
6930	645736.2	4167648.9	Worker	Scenario 2	1.67E-01	4.97E-04	--
6931	645836.2	4167648.9	Worker	Scenario 2	1.59E-01	4.73E-04	--
6932	645936.2	4167648.9	Worker	Scenario 2	1.51E-01	4.50E-04	--
6933	646036.2	4167648.9	Worker	Scenario 2	1.43E-01	4.29E-04	--
6934	646236.2	4167648.9	Worker	Scenario 2	1.30E-01	3.91E-04	--
6935	646336.2	4167648.9	Worker	Scenario 2	1.24E-01	3.74E-04	--
6936	646436.2	4167648.9	Worker	Scenario 2	1.19E-01	3.59E-04	--
6937	646536.2	4167648.9	Worker	Scenario 2	1.14E-01	3.44E-04	--
6938	646636.2	4167648.9	Worker	Scenario 2	1.09E-01	3.30E-04	--
6939	646736.2	4167648.9	Worker	Scenario 2	1.05E-01	3.18E-04	--
6940	646836.2	4167648.9	Worker	Scenario 2	1.01E-01	3.06E-04	--
6941	646936.2	4167648.9	Worker	Scenario 2	9.69E-02	2.95E-04	--
6942	647036.2	4167648.9	Worker	Scenario 2	9.32E-02	2.84E-04	--
6943	636336.2	4167748.9	Worker	Scenario 2	3.77E-03	3.26E-05	--
6944	636436.2	4167748.9	Worker	Scenario 2	4.15E-03	3.47E-05	--
6945	636536.2	4167748.9	Worker	Scenario 2	4.10E-03	3.49E-05	--
6946	636636.2	4167748.9	Worker	Scenario 2	4.70E-03	3.81E-05	--
6947	636736.2	4167748.9	Worker	Scenario 2	5.05E-03	4.01E-05	--
6948	636836.2	4167748.9	Worker	Scenario 2	5.38E-03	4.19E-05	--
6949	636936.2	4167748.9	Worker	Scenario 2	5.51E-03	4.30E-05	--
6950	637036.2	4167748.9	Worker	Scenario 2	5.34E-03	4.28E-05	--
6951	637136.2	4167748.9	Worker	Scenario 2	4.90E-03	4.12E-05	--
6952	637236.2	4167748.9	Worker	Scenario 2	5.12E-03	4.28E-05	--
6953	637336.2	4167748.9	Worker	Scenario 2	5.28E-03	4.41E-05	--
6954	637436.2	4167748.9	Worker	Scenario 2	6.20E-03	4.89E-05	--
6955	637536.2	4167748.9	Worker	Scenario 2	5.76E-03	4.75E-05	--
6956	637636.2	4167748.9	Worker	Scenario 2	6.69E-03	5.24E-05	--
6957	637736.2	4167748.9	Worker	Scenario 2	7.22E-03	5.56E-05	--
6958	637836.2	4167748.9	Worker	Scenario 2	7.07E-03	5.56E-05	--
6959	637936.2	4167748.9	Worker	Scenario 2	8.17E-03	6.16E-05	--
6960	638036.2	4167748.9	Worker	Scenario 2	8.78E-03	6.56E-05	--
6961	638136.2	4167748.9	Worker	Scenario 2	8.13E-03	6.29E-05	--
6962	638236.2	4167748.9	Worker	Scenario 2	9.22E-03	6.94E-05	--
6963	638336.2	4167748.9	Worker	Scenario 2	9.00E-03	6.89E-05	--
6964	638436.2	4167748.9	Worker	Scenario 2	9.94E-03	7.49E-05	--
6965	638536.2	4167748.9	Worker	Scenario 2	1.05E-02	7.91E-05	--
6966	638636.2	4167748.9	Worker	Scenario 2	1.03E-02	7.86E-05	--
6967	638736.2	4167748.9	Worker	Scenario 2	1.11E-02	8.43E-05	--
6968	638836.2	4167748.9	Worker	Scenario 2	1.13E-02	8.68E-05	--
6969	638936.2	4167748.9	Worker	Scenario 2	1.19E-02	9.13E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6970	639036.2	4167748.9	Worker	Scenario 2	1.24E-02	9.55E-05	--
6971	639136.2	4167748.9	Worker	Scenario 2	1.30E-02	1.01E-04	--
6972	639236.2	4167748.9	Worker	Scenario 2	1.36E-02	1.06E-04	--
6973	639336.2	4167748.9	Worker	Scenario 2	1.45E-02	1.14E-04	--
6974	639436.2	4167748.9	Worker	Scenario 2	1.54E-02	1.21E-04	--
6975	639536.2	4167748.9	Worker	Scenario 2	1.65E-02	1.31E-04	--
6976	639636.2	4167748.9	Worker	Scenario 2	1.75E-02	1.41E-04	--
6977	639736.2	4167748.9	Worker	Scenario 2	1.89E-02	1.54E-04	--
6978	640036.2	4167748.9	Worker	Scenario 2	2.30E-02	1.97E-04	--
6979	643336.2	4167748.9	Worker	Scenario 2	5.22E-01	1.83E-03	--
6980	643436.2	4167748.9	Worker	Scenario 2	6.02E-01	1.93E-03	--
6981	643536.2	4167748.9	Worker	Scenario 2	6.57E-01	1.99E-03	--
6982	643636.2	4167748.9	Worker	Scenario 2	6.69E-01	1.97E-03	--
6983	643736.2	4167748.9	Worker	Scenario 2	6.43E-01	1.87E-03	--
6984	643836.2	4167748.9	Worker	Scenario 2	6.08E-01	1.75E-03	--
6985	643936.2	4167748.9	Worker	Scenario 2	5.66E-01	1.62E-03	--
6986	644036.2	4167748.9	Worker	Scenario 2	5.22E-01	1.50E-03	--
6987	644336.2	4167748.9	Worker	Scenario 2	4.06E-01	1.17E-03	--
6988	644436.2	4167748.9	Worker	Scenario 2	3.72E-01	1.08E-03	--
6989	644636.2	4167748.9	Worker	Scenario 2	3.19E-01	9.25E-04	--
6990	644736.2	4167748.9	Worker	Scenario 2	2.96E-01	8.61E-04	--
6991	644836.2	4167748.9	Worker	Scenario 2	2.75E-01	8.03E-04	--
6992	644936.2	4167748.9	Worker	Scenario 2	2.57E-01	7.51E-04	--
6993	646036.2	4167748.9	Worker	Scenario 2	1.38E-01	4.15E-04	--
6994	646236.2	4167748.9	Worker	Scenario 2	1.26E-01	3.80E-04	--
6995	646336.2	4167748.9	Worker	Scenario 2	1.21E-01	3.64E-04	--
6996	646436.2	4167748.9	Worker	Scenario 2	1.15E-01	3.49E-04	--
6997	646536.2	4167748.9	Worker	Scenario 2	1.11E-01	3.35E-04	--
6998	646636.2	4167748.9	Worker	Scenario 2	1.06E-01	3.22E-04	--
6999	646736.2	4167748.9	Worker	Scenario 2	1.02E-01	3.10E-04	--
7000	646836.2	4167748.9	Worker	Scenario 2	9.82E-02	2.99E-04	--
7001	646936.2	4167748.9	Worker	Scenario 2	9.46E-02	2.88E-04	--
7002	647036.2	4167748.9	Worker	Scenario 2	9.12E-02	2.78E-04	--
7003	636236.2	4167848.9	Worker	Scenario 2	3.62E-03	3.15E-05	--
7004	636336.2	4167848.9	Worker	Scenario 2	3.84E-03	3.29E-05	--
7005	636436.2	4167848.9	Worker	Scenario 2	3.82E-03	3.30E-05	--
7006	636536.2	4167848.9	Worker	Scenario 2	4.07E-03	3.46E-05	--
7007	636636.2	4167848.9	Worker	Scenario 2	4.05E-03	3.48E-05	--
7008	636736.2	4167848.9	Worker	Scenario 2	4.33E-03	3.66E-05	--
7009	636836.2	4167848.9	Worker	Scenario 2	5.25E-03	4.12E-05	--
7010	636936.2	4167848.9	Worker	Scenario 2	5.90E-03	4.45E-05	--
7011	637036.2	4167848.9	Worker	Scenario 2	5.59E-03	4.37E-05	--
7012	637136.2	4167848.9	Worker	Scenario 2	4.95E-03	4.12E-05	--
7013	637236.2	4167848.9	Worker	Scenario 2	5.62E-03	4.48E-05	--
7014	637336.2	4167848.9	Worker	Scenario 2	5.72E-03	4.58E-05	--
7015	637436.2	4167848.9	Worker	Scenario 2	6.16E-03	4.84E-05	--
7016	637536.2	4167848.9	Worker	Scenario 2	6.39E-03	5.00E-05	--
7017	637636.2	4167848.9	Worker	Scenario 2	6.49E-03	5.12E-05	--
7018	637736.2	4167848.9	Worker	Scenario 2	7.54E-03	5.67E-05	--
7019	637836.2	4167848.9	Worker	Scenario 2	7.52E-03	5.74E-05	--
7020	637936.2	4167848.9	Worker	Scenario 2	7.91E-03	6.00E-05	--
7021	638036.2	4167848.9	Worker	Scenario 2	9.10E-03	6.70E-05	--
7022	638136.2	4167848.9	Worker	Scenario 2	8.59E-03	6.49E-05	--
7023	638236.2	4167848.9	Worker	Scenario 2	9.40E-03	7.01E-05	--
7024	638336.2	4167848.9	Worker	Scenario 2	9.51E-03	7.17E-05	--
7025	638436.2	4167848.9	Worker	Scenario 2	9.92E-03	7.49E-05	--
7026	638536.2	4167848.9	Worker	Scenario 2	1.07E-02	8.01E-05	--
7027	638636.2	4167848.9	Worker	Scenario 2	1.07E-02	8.12E-05	--
7028	638736.2	4167848.9	Worker	Scenario 2	1.15E-02	8.68E-05	--
7029	638836.2	4167848.9	Worker	Scenario 2	1.18E-02	8.94E-05	--
7030	638936.2	4167848.9	Worker	Scenario 2	1.23E-02	9.40E-05	--
7031	639036.2	4167848.9	Worker	Scenario 2	1.29E-02	9.83E-05	--
7032	639136.2	4167848.9	Worker	Scenario 2	1.34E-02	1.03E-04	--
7033	639236.2	4167848.9	Worker	Scenario 2	1.42E-02	1.09E-04	--
7034	639336.2	4167848.9	Worker	Scenario 2	1.51E-02	1.17E-04	--
7035	639436.2	4167848.9	Worker	Scenario 2	1.59E-02	1.25E-04	--
7036	639536.2	4167848.9	Worker	Scenario 2	1.70E-02	1.34E-04	--
7037	639636.2	4167848.9	Worker	Scenario 2	1.82E-02	1.45E-04	--
7038	639836.2	4167848.9	Worker	Scenario 2	2.06E-02	1.69E-04	--
7039	643336.2	4167848.9	Worker	Scenario 2	3.58E-01	1.36E-03	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7040	643436.2	4167848.9	Worker	Scenario 2	3.60E-01	1.30E-03	--
7041	643536.2	4167848.9	Worker	Scenario 2	3.81E-01	1.30E-03	--
7042	643636.2	4167848.9	Worker	Scenario 2	4.05E-01	1.31E-03	--
7043	643736.2	4167848.9	Worker	Scenario 2	4.19E-01	1.31E-03	--
7044	643836.2	4167848.9	Worker	Scenario 2	4.20E-01	1.29E-03	--
7045	643936.2	4167848.9	Worker	Scenario 2	4.12E-01	1.24E-03	--
7046	644036.2	4167848.9	Worker	Scenario 2	3.97E-01	1.19E-03	--
7047	644136.2	4167848.9	Worker	Scenario 2	3.78E-01	1.12E-03	--
7048	644236.2	4167848.9	Worker	Scenario 2	3.58E-01	1.06E-03	--
7049	644336.2	4167848.9	Worker	Scenario 2	3.37E-01	9.96E-04	--
7050	644436.2	4167848.9	Worker	Scenario 2	3.17E-01	9.35E-04	--
7051	644536.2	4167848.9	Worker	Scenario 2	2.98E-01	8.79E-04	--
7052	644636.2	4167848.9	Worker	Scenario 2	2.80E-01	8.26E-04	--
7053	644736.2	4167848.9	Worker	Scenario 2	2.63E-01	7.77E-04	--
7054	644836.2	4167848.9	Worker	Scenario 2	2.47E-01	7.31E-04	--
7055	644936.2	4167848.9	Worker	Scenario 2	2.32E-01	6.88E-04	--
7056	645036.2	4167848.9	Worker	Scenario 2	2.19E-01	6.49E-04	--
7057	645136.2	4167848.9	Worker	Scenario 2	2.07E-01	6.15E-04	--
7058	645236.2	4167848.9	Worker	Scenario 2	1.96E-01	5.83E-04	--
7059	645336.2	4167848.9	Worker	Scenario 2	1.86E-01	5.53E-04	--
7060	645436.2	4167848.9	Worker	Scenario 2	1.77E-01	5.27E-04	--
7061	645536.2	4167848.9	Worker	Scenario 2	1.67E-01	5.01E-04	--
7062	645636.2	4167848.9	Worker	Scenario 2	1.59E-01	4.77E-04	--
7063	645736.2	4167848.9	Worker	Scenario 2	1.52E-01	4.55E-04	--
7064	645836.2	4167848.9	Worker	Scenario 2	1.45E-01	4.34E-04	--
7065	645936.2	4167848.9	Worker	Scenario 2	1.38E-01	4.15E-04	--
7066	646036.2	4167848.9	Worker	Scenario 2	1.32E-01	3.97E-04	--
7067	646236.2	4167848.9	Worker	Scenario 2	1.21E-01	3.65E-04	--
7068	646336.2	4167848.9	Worker	Scenario 2	1.16E-01	3.51E-04	--
7069	646436.2	4167848.9	Worker	Scenario 2	1.11E-01	3.37E-04	--
7070	646536.2	4167848.9	Worker	Scenario 2	1.07E-01	3.24E-04	--
7071	646636.2	4167848.9	Worker	Scenario 2	1.03E-01	3.12E-04	--
7072	646736.2	4167848.9	Worker	Scenario 2	9.88E-02	3.01E-04	--
7073	646836.2	4167848.9	Worker	Scenario 2	9.51E-02	2.90E-04	--
7074	646936.2	4167848.9	Worker	Scenario 2	9.17E-02	2.80E-04	--
7075	636136.2	4167948.9	Worker	Scenario 2	3.82E-03	3.20E-05	--
7076	636236.2	4167948.9	Worker	Scenario 2	4.02E-03	3.32E-05	--
7077	636336.2	4167948.9	Worker	Scenario 2	3.87E-03	3.28E-05	--
7078	636436.2	4167948.9	Worker	Scenario 2	4.03E-03	3.39E-05	--
7079	636536.2	4167948.9	Worker	Scenario 2	4.13E-03	3.47E-05	--
7080	636636.2	4167948.9	Worker	Scenario 2	4.41E-03	3.63E-05	--
7081	636736.2	4167948.9	Worker	Scenario 2	5.04E-03	3.96E-05	--
7082	636836.2	4167948.9	Worker	Scenario 2	5.71E-03	4.29E-05	--
7083	636936.2	4167948.9	Worker	Scenario 2	5.92E-03	4.42E-05	--
7084	637036.2	4167948.9	Worker	Scenario 2	6.24E-03	4.60E-05	--
7085	637136.2	4167948.9	Worker	Scenario 2	6.59E-03	4.81E-05	--
7086	637236.2	4167948.9	Worker	Scenario 2	5.91E-03	4.57E-05	--
7087	637336.2	4167948.9	Worker	Scenario 2	5.93E-03	4.63E-05	--
7088	637436.2	4167948.9	Worker	Scenario 2	6.59E-03	4.98E-05	--
7089	637536.2	4167948.9	Worker	Scenario 2	6.36E-03	4.94E-05	--
7090	637636.2	4167948.9	Worker	Scenario 2	6.64E-03	5.13E-05	--
7091	637736.2	4167948.9	Worker	Scenario 2	7.90E-03	5.77E-05	--
7092	637836.2	4167948.9	Worker	Scenario 2	8.01E-03	5.90E-05	--
7093	637936.2	4167948.9	Worker	Scenario 2	8.06E-03	6.00E-05	--
7094	638036.2	4167948.9	Worker	Scenario 2	9.40E-03	6.78E-05	--
7095	638136.2	4167948.9	Worker	Scenario 2	9.20E-03	6.74E-05	--
7096	638236.2	4167948.9	Worker	Scenario 2	9.19E-03	6.85E-05	--
7097	638336.2	4167948.9	Worker	Scenario 2	1.02E-02	7.49E-05	--
7098	638436.2	4167948.9	Worker	Scenario 2	1.02E-02	7.60E-05	--
7099	638536.2	4167948.9	Worker	Scenario 2	1.10E-02	8.17E-05	--
7100	638636.2	4167948.9	Worker	Scenario 2	1.12E-02	8.34E-05	--
7101	638736.2	4167948.9	Worker	Scenario 2	1.18E-02	8.86E-05	--
7102	638836.2	4167948.9	Worker	Scenario 2	1.22E-02	9.19E-05	--
7103	638936.2	4167948.9	Worker	Scenario 2	1.28E-02	9.68E-05	--
7104	639036.2	4167948.9	Worker	Scenario 2	1.33E-02	1.01E-04	--
7105	639136.2	4167948.9	Worker	Scenario 2	1.40E-02	1.06E-04	--
7106	639236.2	4167948.9	Worker	Scenario 2	1.47E-02	1.12E-04	--
7107	639336.2	4167948.9	Worker	Scenario 2	1.56E-02	1.20E-04	--
7108	639436.2	4167948.9	Worker	Scenario 2	1.65E-02	1.28E-04	--
7109	639536.2	4167948.9	Worker	Scenario 2	1.75E-02	1.37E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7110	639736.2	4167948.9	Worker	Scenario 2	2.00E-02	1.60E-04	--
7111	643236.2	4167948.9	Worker	Scenario 2	3.36E-01	1.32E-03	--
7112	643336.2	4167948.9	Worker	Scenario 2	2.97E-01	1.16E-03	--
7113	643436.2	4167948.9	Worker	Scenario 2	2.79E-01	1.06E-03	--
7114	643536.2	4167948.9	Worker	Scenario 2	2.78E-01	1.02E-03	--
7115	643636.2	4167948.9	Worker	Scenario 2	2.84E-01	9.97E-04	--
7116	643736.2	4167948.9	Worker	Scenario 2	2.92E-01	9.87E-04	--
7117	643836.2	4167948.9	Worker	Scenario 2	2.99E-01	9.79E-04	--
7118	643936.2	4167948.9	Worker	Scenario 2	3.03E-01	9.66E-04	--
7119	644036.2	4167948.9	Worker	Scenario 2	3.01E-01	9.44E-04	--
7120	644136.2	4167948.9	Worker	Scenario 2	2.96E-01	9.14E-04	--
7121	644236.2	4167948.9	Worker	Scenario 2	2.87E-01	8.80E-04	--
7122	644336.2	4167948.9	Worker	Scenario 2	2.76E-01	8.42E-04	--
7123	644436.2	4167948.9	Worker	Scenario 2	2.64E-01	8.02E-04	--
7124	644536.2	4167948.9	Worker	Scenario 2	2.53E-01	7.64E-04	--
7125	644636.2	4167948.9	Worker	Scenario 2	2.41E-01	7.27E-04	--
7126	644736.2	4167948.9	Worker	Scenario 2	2.29E-01	6.91E-04	--
7127	644836.2	4167948.9	Worker	Scenario 2	2.18E-01	6.55E-04	--
7128	644936.2	4167948.9	Worker	Scenario 2	2.07E-01	6.23E-04	--
7129	645036.2	4167948.9	Worker	Scenario 2	1.97E-01	5.92E-04	--
7130	645136.2	4167948.9	Worker	Scenario 2	1.87E-01	5.64E-04	--
7131	645236.2	4167948.9	Worker	Scenario 2	1.79E-01	5.38E-04	--
7132	645336.2	4167948.9	Worker	Scenario 2	1.71E-01	5.14E-04	--
7133	645436.2	4167948.9	Worker	Scenario 2	1.63E-01	4.91E-04	--
7134	645536.2	4167948.9	Worker	Scenario 2	1.55E-01	4.69E-04	--
7135	645636.2	4167948.9	Worker	Scenario 2	1.48E-01	4.48E-04	--
7136	645736.2	4167948.9	Worker	Scenario 2	1.42E-01	4.29E-04	--
7137	645836.2	4167948.9	Worker	Scenario 2	1.36E-01	4.11E-04	--
7138	645936.2	4167948.9	Worker	Scenario 2	1.30E-01	3.94E-04	--
7139	646036.2	4167948.9	Worker	Scenario 2	1.25E-01	3.78E-04	--
7140	646236.2	4167948.9	Worker	Scenario 2	1.15E-01	3.49E-04	--
7141	646336.2	4167948.9	Worker	Scenario 2	1.10E-01	3.35E-04	--
7142	646436.2	4167948.9	Worker	Scenario 2	1.06E-01	3.23E-04	--
7143	646536.2	4167948.9	Worker	Scenario 2	1.02E-01	3.11E-04	--
7144	646636.2	4167948.9	Worker	Scenario 2	9.83E-02	3.00E-04	--
7145	646736.2	4167948.9	Worker	Scenario 2	9.48E-02	2.90E-04	--
7146	646836.2	4167948.9	Worker	Scenario 2	9.15E-02	2.80E-04	--
7147	646936.2	4167948.9	Worker	Scenario 2	8.83E-02	2.70E-04	--
7148	636036.2	4168048.9	Worker	Scenario 2	3.89E-03	3.19E-05	--
7149	636136.2	4168048.9	Worker	Scenario 2	4.12E-03	3.32E-05	--
7150	636236.2	4168048.9	Worker	Scenario 2	4.39E-03	3.47E-05	--
7151	636336.2	4168048.9	Worker	Scenario 2	4.58E-03	3.59E-05	--
7152	636436.2	4168048.9	Worker	Scenario 2	4.77E-03	3.70E-05	--
7153	636536.2	4168048.9	Worker	Scenario 2	5.02E-03	3.85E-05	--
7154	636636.2	4168048.9	Worker	Scenario 2	5.17E-03	3.95E-05	--
7155	636736.2	4168048.9	Worker	Scenario 2	5.28E-03	4.03E-05	--
7156	636836.2	4168048.9	Worker	Scenario 2	5.30E-03	4.08E-05	--
7157	636936.2	4168048.9	Worker	Scenario 2	5.50E-03	4.21E-05	--
7158	637036.2	4168048.9	Worker	Scenario 2	6.09E-03	4.51E-05	--
7159	637136.2	4168048.9	Worker	Scenario 2	6.62E-03	4.78E-05	--
7160	637236.2	4168048.9	Worker	Scenario 2	7.10E-03	5.05E-05	--
7161	637336.2	4168048.9	Worker	Scenario 2	6.36E-03	4.78E-05	--
7162	637436.2	4168048.9	Worker	Scenario 2	7.29E-03	5.25E-05	--
7163	637536.2	4168048.9	Worker	Scenario 2	6.57E-03	4.99E-05	--
7164	637636.2	4168048.9	Worker	Scenario 2	7.42E-03	5.43E-05	--
7165	637736.2	4168048.9	Worker	Scenario 2	8.20E-03	5.86E-05	--
7166	637836.2	4168048.9	Worker	Scenario 2	8.17E-03	5.92E-05	--
7167	637936.2	4168048.9	Worker	Scenario 2	8.75E-03	6.27E-05	--
7168	638036.2	4168048.9	Worker	Scenario 2	9.63E-03	6.83E-05	--
7169	638136.2	4168048.9	Worker	Scenario 2	9.56E-03	6.88E-05	--
7170	638236.2	4168048.9	Worker	Scenario 2	9.71E-03	7.05E-05	--
7171	638336.2	4168048.9	Worker	Scenario 2	1.04E-02	7.51E-05	--
7172	638436.2	4168048.9	Worker	Scenario 2	1.06E-02	7.76E-05	--
7173	638536.2	4168048.9	Worker	Scenario 2	1.15E-02	8.36E-05	--
7174	638636.2	4168048.9	Worker	Scenario 2	1.15E-02	8.49E-05	--
7175	638736.2	4168048.9	Worker	Scenario 2	1.23E-02	9.09E-05	--
7176	638836.2	4168048.9	Worker	Scenario 2	1.27E-02	9.42E-05	--
7177	638936.2	4168048.9	Worker	Scenario 2	1.32E-02	9.89E-05	--
7178	639036.2	4168048.9	Worker	Scenario 2	1.38E-02	1.03E-04	--
7179	639136.2	4168048.9	Worker	Scenario 2	1.44E-02	1.09E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
7180	639236.2	4168048.9	Worker	Scenario 2	1.52E-02	1.15E-04	--
7181	639336.2	4168048.9	Worker	Scenario 2	1.60E-02	1.23E-04	--
7182	643136.2	4168048.9	Worker	Scenario 2	3.38E-01	1.33E-03	--
7183	643236.2	4168048.9	Worker	Scenario 2	2.88E-01	1.15E-03	--
7184	643336.2	4168048.9	Worker	Scenario 2	2.56E-01	1.02E-03	--
7185	643436.2	4168048.9	Worker	Scenario 2	2.40E-01	9.36E-04	--
7186	643536.2	4168048.9	Worker	Scenario 2	2.31E-01	8.78E-04	--
7187	643636.2	4168048.9	Worker	Scenario 2	2.28E-01	8.40E-04	--
7188	643736.2	4168048.9	Worker	Scenario 2	2.28E-01	8.15E-04	--
7189	643836.2	4168048.9	Worker	Scenario 2	2.29E-01	7.95E-04	--
7190	643936.2	4168048.9	Worker	Scenario 2	2.32E-01	7.82E-04	--
7191	644036.2	4168048.9	Worker	Scenario 2	2.33E-01	7.69E-04	--
7192	644136.2	4168048.9	Worker	Scenario 2	2.33E-01	7.54E-04	--
7193	644236.2	4168048.9	Worker	Scenario 2	2.31E-01	7.35E-04	--
7194	644336.2	4168048.9	Worker	Scenario 2	2.26E-01	7.12E-04	--
7195	644436.2	4168048.9	Worker	Scenario 2	2.20E-01	6.87E-04	--
7196	644536.2	4168048.9	Worker	Scenario 2	2.13E-01	6.62E-04	--
7197	644636.2	4168048.9	Worker	Scenario 2	2.06E-01	6.36E-04	--
7198	644736.2	4168048.9	Worker	Scenario 2	1.98E-01	6.10E-04	--
7199	644836.2	4168048.9	Worker	Scenario 2	1.90E-01	5.84E-04	--
7200	644936.2	4168048.9	Worker	Scenario 2	1.82E-01	5.59E-04	--
7201	645036.2	4168048.9	Worker	Scenario 2	1.75E-01	5.35E-04	--
7202	645136.2	4168048.9	Worker	Scenario 2	1.68E-01	5.13E-04	--
7203	645236.2	4168048.9	Worker	Scenario 2	1.61E-01	4.92E-04	--
7204	645336.2	4168048.9	Worker	Scenario 2	1.55E-01	4.73E-04	--
7205	645436.2	4168048.9	Worker	Scenario 2	1.49E-01	4.54E-04	--
7206	645536.2	4168048.9	Worker	Scenario 2	1.43E-01	4.35E-04	--
7207	645636.2	4168048.9	Worker	Scenario 2	1.37E-01	4.18E-04	--
7208	645736.2	4168048.9	Worker	Scenario 2	1.32E-01	4.02E-04	--
7209	645836.2	4168048.9	Worker	Scenario 2	1.27E-01	3.86E-04	--
7210	645936.2	4168048.9	Worker	Scenario 2	1.22E-01	3.71E-04	--
7211	646036.2	4168048.9	Worker	Scenario 2	1.17E-01	3.57E-04	--
7212	646236.2	4168048.9	Worker	Scenario 2	1.08E-01	3.31E-04	--
7213	646336.2	4168048.9	Worker	Scenario 2	1.04E-01	3.19E-04	--
7214	646436.2	4168048.9	Worker	Scenario 2	1.01E-01	3.08E-04	--
7215	646536.2	4168048.9	Worker	Scenario 2	9.70E-02	2.97E-04	--
7216	646636.2	4168048.9	Worker	Scenario 2	9.37E-02	2.87E-04	--
7217	646736.2	4168048.9	Worker	Scenario 2	9.05E-02	2.78E-04	--
7218	646836.2	4168048.9	Worker	Scenario 2	8.75E-02	2.69E-04	--
7219	646936.2	4168048.9	Worker	Scenario 2	8.46E-02	2.60E-04	--
7220	636036.2	4168148.9	Worker	Scenario 2	3.80E-03	3.12E-05	--
7221	636136.2	4168148.9	Worker	Scenario 2	3.84E-03	3.17E-05	--
7222	636236.2	4168148.9	Worker	Scenario 2	3.83E-03	3.19E-05	--
7223	636336.2	4168148.9	Worker	Scenario 2	4.00E-03	3.30E-05	--
7224	636436.2	4168148.9	Worker	Scenario 2	4.32E-03	3.48E-05	--
7225	636536.2	4168148.9	Worker	Scenario 2	4.47E-03	3.58E-05	--
7226	636636.2	4168148.9	Worker	Scenario 2	4.71E-03	3.73E-05	--
7227	636736.2	4168148.9	Worker	Scenario 2	4.84E-03	3.82E-05	--
7228	636836.2	4168148.9	Worker	Scenario 2	5.14E-03	3.99E-05	--
7229	636936.2	4168148.9	Worker	Scenario 2	5.59E-03	4.23E-05	--
7230	637036.2	4168148.9	Worker	Scenario 2	5.96E-03	4.44E-05	--
7231	637136.2	4168148.9	Worker	Scenario 2	6.55E-03	4.74E-05	--
7232	637236.2	4168148.9	Worker	Scenario 2	7.08E-03	5.02E-05	--
7233	637336.2	4168148.9	Worker	Scenario 2	7.53E-03	5.27E-05	--
7234	637436.2	4168148.9	Worker	Scenario 2	7.75E-03	5.43E-05	--
7235	637536.2	4168148.9	Worker	Scenario 2	7.01E-03	5.17E-05	--
7236	637636.2	4168148.9	Worker	Scenario 2	7.48E-03	5.44E-05	--
7237	637736.2	4168148.9	Worker	Scenario 2	8.41E-03	5.92E-05	--
7238	637836.2	4168148.9	Worker	Scenario 2	8.48E-03	6.05E-05	--
7239	637936.2	4168148.9	Worker	Scenario 2	9.15E-03	6.45E-05	--
7240	638036.2	4168148.9	Worker	Scenario 2	9.97E-03	6.95E-05	--
7241	638136.2	4168148.9	Worker	Scenario 2	9.61E-03	6.85E-05	--
7242	638236.2	4168148.9	Worker	Scenario 2	1.00E-02	7.14E-05	--
7243	638336.2	4168148.9	Worker	Scenario 2	1.08E-02	7.69E-05	--
7244	638436.2	4168148.9	Worker	Scenario 2	1.08E-02	7.79E-05	--
7245	638536.2	4168148.9	Worker	Scenario 2	1.18E-02	8.43E-05	--
7246	638636.2	4168148.9	Worker	Scenario 2	1.19E-02	8.58E-05	--
7247	638736.2	4168148.9	Worker	Scenario 2	1.25E-02	9.06E-05	--
7248	638836.2	4168148.9	Worker	Scenario 2	1.31E-02	9.59E-05	--
7249	638936.2	4168148.9	Worker	Scenario 2	1.36E-02	1.00E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7250	639036.2	4168148.9	Worker	Scenario 2	1.42E-02	1.05E-04	--
7251	639136.2	4168148.9	Worker	Scenario 2	1.48E-02	1.11E-04	--
7252	639236.2	4168148.9	Worker	Scenario 2	1.55E-02	1.17E-04	--
7253	642936.2	4168148.9	Worker	Scenario 2	3.41E-01	1.42E-03	--
7254	643036.2	4168148.9	Worker	Scenario 2	3.15E-01	1.28E-03	--
7255	643136.2	4168148.9	Worker	Scenario 2	2.83E-01	1.14E-03	--
7256	643236.2	4168148.9	Worker	Scenario 2	2.52E-01	1.01E-03	--
7257	643336.2	4168148.9	Worker	Scenario 2	2.26E-01	9.07E-04	--
7258	643436.2	4168148.9	Worker	Scenario 2	2.12E-01	8.37E-04	--
7259	643536.2	4168148.9	Worker	Scenario 2	2.02E-01	7.86E-04	--
7260	643636.2	4168148.9	Worker	Scenario 2	1.96E-01	7.45E-04	--
7261	643736.2	4168148.9	Worker	Scenario 2	1.92E-01	7.13E-04	--
7262	643836.2	4168148.9	Worker	Scenario 2	1.90E-01	6.87E-04	--
7263	643936.2	4168148.9	Worker	Scenario 2	1.89E-01	6.67E-04	--
7264	644036.2	4168148.9	Worker	Scenario 2	1.89E-01	6.51E-04	--
7265	644136.2	4168148.9	Worker	Scenario 2	1.89E-01	6.38E-04	--
7266	644236.2	4168148.9	Worker	Scenario 2	1.88E-01	6.24E-04	--
7267	644336.2	4168148.9	Worker	Scenario 2	1.86E-01	6.09E-04	--
7268	644436.2	4168148.9	Worker	Scenario 2	1.84E-01	5.93E-04	--
7269	644536.2	4168148.9	Worker	Scenario 2	1.80E-01	5.77E-04	--
7270	644636.2	4168148.9	Worker	Scenario 2	1.76E-01	5.58E-04	--
7271	644736.2	4168148.9	Worker	Scenario 2	1.71E-01	5.40E-04	--
7272	644836.2	4168148.9	Worker	Scenario 2	1.66E-01	5.20E-04	--
7273	644936.2	4168148.9	Worker	Scenario 2	1.60E-01	5.01E-04	--
7274	645036.2	4168148.9	Worker	Scenario 2	1.55E-01	4.83E-04	--
7275	645136.2	4168148.9	Worker	Scenario 2	1.50E-01	4.65E-04	--
7276	645236.2	4168148.9	Worker	Scenario 2	1.45E-01	4.49E-04	--
7277	645336.2	4168148.9	Worker	Scenario 2	1.40E-01	4.33E-04	--
7278	645436.2	4168148.9	Worker	Scenario 2	1.35E-01	4.17E-04	--
7279	645536.2	4168148.9	Worker	Scenario 2	1.30E-01	4.02E-04	--
7280	645636.2	4168148.9	Worker	Scenario 2	1.26E-01	3.87E-04	--
7281	645736.2	4168148.9	Worker	Scenario 2	1.21E-01	3.74E-04	--
7282	645836.2	4168148.9	Worker	Scenario 2	1.17E-01	3.61E-04	--
7283	645936.2	4168148.9	Worker	Scenario 2	1.13E-01	3.48E-04	--
7284	646036.2	4168148.9	Worker	Scenario 2	1.09E-01	3.36E-04	--
7285	646236.2	4168148.9	Worker	Scenario 2	1.02E-01	3.13E-04	--
7286	646336.2	4168148.9	Worker	Scenario 2	9.82E-02	3.02E-04	--
7287	646436.2	4168148.9	Worker	Scenario 2	9.49E-02	2.92E-04	--
7288	646536.2	4168148.9	Worker	Scenario 2	9.18E-02	2.83E-04	--
7289	646636.2	4168148.9	Worker	Scenario 2	8.88E-02	2.74E-04	--
7290	646736.2	4168148.9	Worker	Scenario 2	8.60E-02	2.65E-04	--
7291	646836.2	4168148.9	Worker	Scenario 2	8.33E-02	2.57E-04	--
7292	635936.2	4168248.9	Worker	Scenario 2	3.66E-03	3.02E-05	--
7293	636036.2	4168248.9	Worker	Scenario 2	3.74E-03	3.08E-05	--
7294	636136.2	4168248.9	Worker	Scenario 2	3.70E-03	3.08E-05	--
7295	636236.2	4168248.9	Worker	Scenario 2	3.86E-03	3.19E-05	--
7296	636336.2	4168248.9	Worker	Scenario 2	4.02E-03	3.30E-05	--
7297	636436.2	4168248.9	Worker	Scenario 2	4.15E-03	3.39E-05	--
7298	636536.2	4168248.9	Worker	Scenario 2	4.37E-03	3.52E-05	--
7299	636636.2	4168248.9	Worker	Scenario 2	4.58E-03	3.66E-05	--
7300	636736.2	4168248.9	Worker	Scenario 2	4.83E-03	3.81E-05	--
7301	636836.2	4168248.9	Worker	Scenario 2	5.12E-03	3.98E-05	--
7302	636936.2	4168248.9	Worker	Scenario 2	5.46E-03	4.17E-05	--
7303	637036.2	4168248.9	Worker	Scenario 2	5.86E-03	4.39E-05	--
7304	637136.2	4168248.9	Worker	Scenario 2	6.46E-03	4.69E-05	--
7305	637236.2	4168248.9	Worker	Scenario 2	7.06E-03	4.99E-05	--
7306	637336.2	4168248.9	Worker	Scenario 2	7.63E-03	5.30E-05	--
7307	637436.2	4168248.9	Worker	Scenario 2	8.06E-03	5.55E-05	--
7308	637536.2	4168248.9	Worker	Scenario 2	7.36E-03	5.30E-05	--
7309	637636.2	4168248.9	Worker	Scenario 2	7.75E-03	5.54E-05	--
7310	637736.2	4168248.9	Worker	Scenario 2	8.42E-03	5.91E-05	--
7311	637836.2	4168248.9	Worker	Scenario 2	9.04E-03	6.28E-05	--
7312	637936.2	4168248.9	Worker	Scenario 2	9.04E-03	6.35E-05	--
7313	638036.2	4168248.9	Worker	Scenario 2	9.89E-03	6.86E-05	--
7314	638136.2	4168248.9	Worker	Scenario 2	1.01E-02	7.02E-05	--
7315	638236.2	4168248.9	Worker	Scenario 2	1.02E-02	7.18E-05	--
7316	638336.2	4168248.9	Worker	Scenario 2	1.09E-02	7.67E-05	--
7317	638436.2	4168248.9	Worker	Scenario 2	1.12E-02	7.88E-05	--
7318	638536.2	4168248.9	Worker	Scenario 2	1.20E-02	8.42E-05	--
7319	638636.2	4168248.9	Worker	Scenario 2	1.22E-02	8.65E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7320	638736.2	4168248.9	Worker	Scenario 2	1.27E-02	9.06E-05	--
7321	638836.2	4168248.9	Worker	Scenario 2	1.34E-02	9.61E-05	--
7322	638936.2	4168248.9	Worker	Scenario 2	1.39E-02	1.01E-04	--
7323	639036.2	4168248.9	Worker	Scenario 2	1.45E-02	1.06E-04	--
7324	639136.2	4168248.9	Worker	Scenario 2	1.52E-02	1.12E-04	--
7325	642836.2	4168248.9	Worker	Scenario 2	2.96E-01	1.30E-03	--
7326	642936.2	4168248.9	Worker	Scenario 2	2.83E-01	1.19E-03	--
7327	643036.2	4168248.9	Worker	Scenario 2	2.62E-01	1.09E-03	--
7328	643136.2	4168248.9	Worker	Scenario 2	2.44E-01	9.95E-04	--
7329	643236.2	4168248.9	Worker	Scenario 2	2.22E-01	9.00E-04	--
7330	643336.2	4168248.9	Worker	Scenario 2	2.02E-01	8.16E-04	--
7331	643436.2	4168248.9	Worker	Scenario 2	1.88E-01	7.54E-04	--
7332	643536.2	4168248.9	Worker	Scenario 2	1.81E-01	7.11E-04	--
7333	643636.2	4168248.9	Worker	Scenario 2	1.75E-01	6.75E-04	--
7334	643736.2	4168248.9	Worker	Scenario 2	1.70E-01	6.44E-04	--
7335	643836.2	4168248.9	Worker	Scenario 2	1.65E-01	6.16E-04	--
7336	643936.2	4168248.9	Worker	Scenario 2	1.63E-01	5.94E-04	--
7337	644036.2	4168248.9	Worker	Scenario 2	1.60E-01	5.74E-04	--
7338	644136.2	4168248.9	Worker	Scenario 2	1.59E-01	5.57E-04	--
7339	644236.2	4168248.9	Worker	Scenario 2	1.58E-01	5.44E-04	--
7340	644336.2	4168248.9	Worker	Scenario 2	1.56E-01	5.31E-04	--
7341	644436.2	4168248.9	Worker	Scenario 2	1.55E-01	5.18E-04	--
7342	644536.2	4168248.9	Worker	Scenario 2	1.54E-01	5.07E-04	--
7343	644636.2	4168248.9	Worker	Scenario 2	1.51E-01	4.94E-04	--
7344	644736.2	4168248.9	Worker	Scenario 2	1.49E-01	4.80E-04	--
7345	644836.2	4168248.9	Worker	Scenario 2	1.45E-01	4.66E-04	--
7346	644936.2	4168248.9	Worker	Scenario 2	1.41E-01	4.51E-04	--
7347	645036.2	4168248.9	Worker	Scenario 2	1.37E-01	4.36E-04	--
7348	645136.2	4168248.9	Worker	Scenario 2	1.34E-01	4.23E-04	--
7349	645236.2	4168248.9	Worker	Scenario 2	1.30E-01	4.09E-04	--
7350	645336.2	4168248.9	Worker	Scenario 2	1.26E-01	3.97E-04	--
7351	645436.2	4168248.9	Worker	Scenario 2	1.23E-01	3.84E-04	--
7352	645536.2	4168248.9	Worker	Scenario 2	1.19E-01	3.71E-04	--
7353	645636.2	4168248.9	Worker	Scenario 2	1.15E-01	3.59E-04	--
7354	645736.2	4168248.9	Worker	Scenario 2	1.12E-01	3.47E-04	--
7355	645836.2	4168248.9	Worker	Scenario 2	1.08E-01	3.36E-04	--
7356	645936.2	4168248.9	Worker	Scenario 2	1.05E-01	3.25E-04	--
7357	646036.2	4168248.9	Worker	Scenario 2	1.01E-01	3.15E-04	--
7358	646236.2	4168248.9	Worker	Scenario 2	9.50E-02	2.95E-04	--
7359	646336.2	4168248.9	Worker	Scenario 2	9.20E-02	2.85E-04	--
7360	646436.2	4168248.9	Worker	Scenario 2	8.92E-02	2.77E-04	--
7361	646536.2	4168248.9	Worker	Scenario 2	8.65E-02	2.68E-04	--
7362	646636.2	4168248.9	Worker	Scenario 2	8.39E-02	2.60E-04	--
7363	646736.2	4168248.9	Worker	Scenario 2	8.14E-02	2.52E-04	--
7364	646836.2	4168248.9	Worker	Scenario 2	7.90E-02	2.45E-04	--
7365	635936.2	4168348.9	Worker	Scenario 2	3.63E-03	2.99E-05	--
7366	636036.2	4168348.9	Worker	Scenario 2	3.65E-03	3.02E-05	--
7367	636136.2	4168348.9	Worker	Scenario 2	3.82E-03	3.14E-05	--
7368	636236.2	4168348.9	Worker	Scenario 2	3.98E-03	3.25E-05	--
7369	636336.2	4168348.9	Worker	Scenario 2	4.13E-03	3.35E-05	--
7370	636436.2	4168348.9	Worker	Scenario 2	4.34E-03	3.47E-05	--
7371	636536.2	4168348.9	Worker	Scenario 2	4.51E-03	3.59E-05	--
7372	636636.2	4168348.9	Worker	Scenario 2	4.71E-03	3.71E-05	--
7373	636736.2	4168348.9	Worker	Scenario 2	4.99E-03	3.87E-05	--
7374	636836.2	4168348.9	Worker	Scenario 2	5.31E-03	4.05E-05	--
7375	636936.2	4168348.9	Worker	Scenario 2	5.61E-03	4.22E-05	--
7376	637036.2	4168348.9	Worker	Scenario 2	5.90E-03	4.39E-05	--
7377	637136.2	4168348.9	Worker	Scenario 2	6.30E-03	4.60E-05	--
7378	637236.2	4168348.9	Worker	Scenario 2	7.05E-03	4.96E-05	--
7379	637336.2	4168348.9	Worker	Scenario 2	7.73E-03	5.30E-05	--
7380	637436.2	4168348.9	Worker	Scenario 2	8.23E-03	5.59E-05	--
7381	637536.2	4168348.9	Worker	Scenario 2	7.68E-03	5.40E-05	--
7382	637636.2	4168348.9	Worker	Scenario 2	8.23E-03	5.71E-05	--
7383	637736.2	4168348.9	Worker	Scenario 2	8.40E-03	5.85E-05	--
7384	637836.2	4168348.9	Worker	Scenario 2	9.01E-03	6.21E-05	--
7385	637936.2	4168348.9	Worker	Scenario 2	9.53E-03	6.54E-05	--
7386	638036.2	4168348.9	Worker	Scenario 2	9.80E-03	6.74E-05	--
7387	638136.2	4168348.9	Worker	Scenario 2	1.06E-02	7.24E-05	--
7388	638236.2	4168348.9	Worker	Scenario 2	1.05E-02	7.27E-05	--
7389	638336.2	4168348.9	Worker	Scenario 2	1.11E-02	7.67E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7390	638436.2	4168348.9	Worker	Scenario 2	1.14E-02	7.92E-05	--
7391	638536.2	4168348.9	Worker	Scenario 2	1.22E-02	8.47E-05	--
7392	638636.2	4168348.9	Worker	Scenario 2	1.24E-02	8.66E-05	--
7393	638736.2	4168348.9	Worker	Scenario 2	1.30E-02	9.12E-05	--
7394	638836.2	4168348.9	Worker	Scenario 2	1.36E-02	9.62E-05	--
7395	638936.2	4168348.9	Worker	Scenario 2	1.42E-02	1.01E-04	--
7396	642636.2	4168348.9	Worker	Scenario 2	2.58E-01	1.26E-03	--
7397	642736.2	4168348.9	Worker	Scenario 2	2.56E-01	1.18E-03	--
7398	642836.2	4168348.9	Worker	Scenario 2	2.50E-01	1.10E-03	--
7399	642936.2	4168348.9	Worker	Scenario 2	2.40E-01	1.03E-03	--
7400	643036.2	4168348.9	Worker	Scenario 2	2.26E-01	9.50E-04	--
7401	643136.2	4168348.9	Worker	Scenario 2	2.12E-01	8.78E-04	--
7402	643236.2	4168348.9	Worker	Scenario 2	1.97E-01	8.08E-04	--
7403	643336.2	4168348.9	Worker	Scenario 2	1.82E-01	7.41E-04	--
7404	643436.2	4168348.9	Worker	Scenario 2	1.69E-01	6.86E-04	--
7405	643536.2	4168348.9	Worker	Scenario 2	1.63E-01	6.48E-04	--
7406	643636.2	4168348.9	Worker	Scenario 2	1.58E-01	6.18E-04	--
7407	643736.2	4168348.9	Worker	Scenario 2	1.53E-01	5.90E-04	--
7408	643836.2	4168348.9	Worker	Scenario 2	1.48E-01	5.62E-04	--
7409	643936.2	4168348.9	Worker	Scenario 2	1.45E-01	5.40E-04	--
7410	644036.2	4168348.9	Worker	Scenario 2	1.42E-01	5.21E-04	--
7411	644136.2	4168348.9	Worker	Scenario 2	1.39E-01	5.03E-04	--
7412	644236.2	4168348.9	Worker	Scenario 2	1.37E-01	4.88E-04	--
7413	644336.2	4168348.9	Worker	Scenario 2	1.35E-01	4.73E-04	--
7414	644436.2	4168348.9	Worker	Scenario 2	1.33E-01	4.61E-04	--
7415	644536.2	4168348.9	Worker	Scenario 2	1.32E-01	4.51E-04	--
7416	644636.2	4168348.9	Worker	Scenario 2	1.31E-01	4.41E-04	--
7417	644736.2	4168348.9	Worker	Scenario 2	1.30E-01	4.30E-04	--
7418	644836.2	4168348.9	Worker	Scenario 2	1.27E-01	4.19E-04	--
7419	644936.2	4168348.9	Worker	Scenario 2	1.25E-01	4.08E-04	--
7420	645036.2	4168348.9	Worker	Scenario 2	1.22E-01	3.96E-04	--
7421	645136.2	4168348.9	Worker	Scenario 2	1.20E-01	3.86E-04	--
7422	645236.2	4168348.9	Worker	Scenario 2	1.17E-01	3.75E-04	--
7423	645336.2	4168348.9	Worker	Scenario 2	1.14E-01	3.64E-04	--
7424	645436.2	4168348.9	Worker	Scenario 2	1.11E-01	3.54E-04	--
7425	645536.2	4168348.9	Worker	Scenario 2	1.08E-01	3.43E-04	--
7426	645636.2	4168348.9	Worker	Scenario 2	1.05E-01	3.33E-04	--
7427	645736.2	4168348.9	Worker	Scenario 2	1.03E-01	3.23E-04	--
7428	645836.2	4168348.9	Worker	Scenario 2	9.96E-02	3.13E-04	--
7429	645936.2	4168348.9	Worker	Scenario 2	9.66E-02	3.03E-04	--
7430	646036.2	4168348.9	Worker	Scenario 2	9.39E-02	2.94E-04	--
7431	646236.2	4168348.9	Worker	Scenario 2	8.84E-02	2.77E-04	--
7432	646336.2	4168348.9	Worker	Scenario 2	8.59E-02	2.69E-04	--
7433	646436.2	4168348.9	Worker	Scenario 2	8.35E-02	2.61E-04	--
7434	646536.2	4168348.9	Worker	Scenario 2	8.12E-02	2.54E-04	--
7435	646636.2	4168348.9	Worker	Scenario 2	7.90E-02	2.47E-04	--
7436	646736.2	4168348.9	Worker	Scenario 2	7.68E-02	2.40E-04	--
7437	646836.2	4168348.9	Worker	Scenario 2	7.47E-02	2.33E-04	--
7438	635836.2	4168448.9	Worker	Scenario 2	3.47E-03	2.88E-05	--
7439	635936.2	4168448.9	Worker	Scenario 2	3.59E-03	2.97E-05	--
7440	636036.2	4168448.9	Worker	Scenario 2	3.74E-03	3.06E-05	--
7441	636136.2	4168448.9	Worker	Scenario 2	3.89E-03	3.17E-05	--
7442	636236.2	4168448.9	Worker	Scenario 2	4.09E-03	3.29E-05	--
7443	636336.2	4168448.9	Worker	Scenario 2	4.48E-03	3.50E-05	--
7444	636436.2	4168448.9	Worker	Scenario 2	4.40E-03	3.53E-05	--
7445	636536.2	4168448.9	Worker	Scenario 2	4.61E-03	3.62E-05	--
7446	636636.2	4168448.9	Worker	Scenario 2	4.90E-03	3.78E-05	--
7447	636736.2	4168448.9	Worker	Scenario 2	5.10E-03	3.90E-05	--
7448	636836.2	4168448.9	Worker	Scenario 2	5.38E-03	4.06E-05	--
7449	636936.2	4168448.9	Worker	Scenario 2	5.68E-03	4.22E-05	--
7450	637036.2	4168448.9	Worker	Scenario 2	6.22E-03	4.48E-05	--
7451	637136.2	4168448.9	Worker	Scenario 2	6.41E-03	4.60E-05	--
7452	637236.2	4168448.9	Worker	Scenario 2	6.88E-03	4.84E-05	--
7453	637336.2	4168448.9	Worker	Scenario 2	7.77E-03	5.27E-05	--
7454	637436.2	4168448.9	Worker	Scenario 2	8.26E-03	5.54E-05	--
7455	637536.2	4168448.9	Worker	Scenario 2	7.82E-03	5.40E-05	--
7456	637636.2	4168448.9	Worker	Scenario 2	8.38E-03	5.72E-05	--
7457	637736.2	4168448.9	Worker	Scenario 2	8.67E-03	5.91E-05	--
7458	637836.2	4168448.9	Worker	Scenario 2	9.03E-03	6.15E-05	--
7459	637936.2	4168448.9	Worker	Scenario 2	9.58E-03	6.49E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7460	638036.2	4168448.9	Worker	Scenario 2	9.92E-03	6.74E-05	--
7461	638136.2	4168448.9	Worker	Scenario 2	1.06E-02	7.15E-05	--
7462	638236.2	4168448.9	Worker	Scenario 2	1.07E-02	7.32E-05	--
7463	638336.2	4168448.9	Worker	Scenario 2	1.12E-02	7.66E-05	--
7464	638436.2	4168448.9	Worker	Scenario 2	1.16E-02	7.97E-05	--
7465	638536.2	4168448.9	Worker	Scenario 2	1.23E-02	8.45E-05	--
7466	638636.2	4168448.9	Worker	Scenario 2	1.26E-02	8.71E-05	--
7467	638736.2	4168448.9	Worker	Scenario 2	1.33E-02	9.19E-05	--
7468	638836.2	4168448.9	Worker	Scenario 2	1.38E-02	9.64E-05	--
7469	642536.2	4168448.9	Worker	Scenario 2	2.23E-01	1.15E-03	--
7470	642636.2	4168448.9	Worker	Scenario 2	2.23E-01	1.08E-03	--
7471	642736.2	4168448.9	Worker	Scenario 2	2.21E-01	1.02E-03	--
7472	642836.2	4168448.9	Worker	Scenario 2	2.16E-01	9.61E-04	--
7473	642936.2	4168448.9	Worker	Scenario 2	2.09E-01	9.03E-04	--
7474	643036.2	4168448.9	Worker	Scenario 2	1.98E-01	8.41E-04	--
7475	643136.2	4168448.9	Worker	Scenario 2	1.88E-01	7.86E-04	--
7476	643236.2	4168448.9	Worker	Scenario 2	1.77E-01	7.31E-04	--
7477	643336.2	4168448.9	Worker	Scenario 2	1.65E-01	6.77E-04	--
7478	643436.2	4168448.9	Worker	Scenario 2	1.54E-01	6.29E-04	--
7479	643536.2	4168448.9	Worker	Scenario 2	1.47E-01	5.94E-04	--
7480	643636.2	4168448.9	Worker	Scenario 2	1.44E-01	5.67E-04	--
7481	643736.2	4168448.9	Worker	Scenario 2	1.40E-01	5.43E-04	--
7482	643836.2	4168448.9	Worker	Scenario 2	1.35E-01	5.18E-04	--
7483	643936.2	4168448.9	Worker	Scenario 2	1.31E-01	4.97E-04	--
7484	644036.2	4168448.9	Worker	Scenario 2	1.28E-01	4.79E-04	--
7485	644136.2	4168448.9	Worker	Scenario 2	1.26E-01	4.62E-04	--
7486	644236.2	4168448.9	Worker	Scenario 2	1.23E-01	4.47E-04	--
7487	644336.2	4168448.9	Worker	Scenario 2	1.20E-01	4.31E-04	--
7488	644436.2	4168448.9	Worker	Scenario 2	1.18E-01	4.18E-04	--
7489	644536.2	4168448.9	Worker	Scenario 2	1.16E-01	4.07E-04	--
7490	644636.2	4168448.9	Worker	Scenario 2	1.15E-01	3.98E-04	--
7491	644736.2	4168448.9	Worker	Scenario 2	1.14E-01	3.89E-04	--
7492	644836.2	4168448.9	Worker	Scenario 2	1.12E-01	3.80E-04	--
7493	644936.2	4168448.9	Worker	Scenario 2	1.11E-01	3.71E-04	--
7494	645036.2	4168448.9	Worker	Scenario 2	1.09E-01	3.62E-04	--
7495	645136.2	4168448.9	Worker	Scenario 2	1.07E-01	3.53E-04	--
7496	645236.2	4168448.9	Worker	Scenario 2	1.06E-01	3.45E-04	--
7497	645336.2	4168448.9	Worker	Scenario 2	1.03E-01	3.36E-04	--
7498	645436.2	4168448.9	Worker	Scenario 2	1.01E-01	3.27E-04	--
7499	645536.2	4168448.9	Worker	Scenario 2	9.88E-02	3.18E-04	--
7500	645636.2	4168448.9	Worker	Scenario 2	9.65E-02	3.09E-04	--
7501	645736.2	4168448.9	Worker	Scenario 2	9.41E-02	3.01E-04	--
7502	645836.2	4168448.9	Worker	Scenario 2	9.16E-02	2.92E-04	--
7503	645936.2	4168448.9	Worker	Scenario 2	8.92E-02	2.84E-04	--
7504	646036.2	4168448.9	Worker	Scenario 2	8.69E-02	2.76E-04	--
7505	646236.2	4168448.9	Worker	Scenario 2	8.23E-02	2.60E-04	--
7506	646336.2	4168448.9	Worker	Scenario 2	8.01E-02	2.53E-04	--
7507	646436.2	4168448.9	Worker	Scenario 2	7.81E-02	2.46E-04	--
7508	646536.2	4168448.9	Worker	Scenario 2	7.61E-02	2.40E-04	--
7509	646636.2	4168448.9	Worker	Scenario 2	7.42E-02	2.33E-04	--
7510	646736.2	4168448.9	Worker	Scenario 2	7.23E-02	2.27E-04	--
7511	635836.2	4168548.9	Worker	Scenario 2	3.52E-03	2.90E-05	--
7512	635936.2	4168548.9	Worker	Scenario 2	3.70E-03	3.02E-05	--
7513	636036.2	4168548.9	Worker	Scenario 2	3.92E-03	3.15E-05	--
7514	636136.2	4168548.9	Worker	Scenario 2	3.95E-03	3.19E-05	--
7515	636236.2	4168548.9	Worker	Scenario 2	4.13E-03	3.29E-05	--
7516	636336.2	4168548.9	Worker	Scenario 2	4.53E-03	3.47E-05	--
7517	636436.2	4168548.9	Worker	Scenario 2	4.80E-03	3.64E-05	--
7518	636536.2	4168548.9	Worker	Scenario 2	4.86E-03	3.68E-05	--
7519	636636.2	4168548.9	Worker	Scenario 2	5.16E-03	3.83E-05	--
7520	636736.2	4168548.9	Worker	Scenario 2	5.38E-03	3.98E-05	--
7521	636836.2	4168548.9	Worker	Scenario 2	5.74E-03	4.14E-05	--
7522	636936.2	4168548.9	Worker	Scenario 2	5.98E-03	4.28E-05	--
7523	637036.2	4168548.9	Worker	Scenario 2	6.27E-03	4.44E-05	--
7524	637136.2	4168548.9	Worker	Scenario 2	6.82E-03	4.71E-05	--
7525	637236.2	4168548.9	Worker	Scenario 2	7.09E-03	4.87E-05	--
7526	637336.2	4168548.9	Worker	Scenario 2	7.70E-03	5.19E-05	--
7527	637436.2	4168548.9	Worker	Scenario 2	8.23E-03	5.49E-05	--
7528	637536.2	4168548.9	Worker	Scenario 2	8.29E-03	5.56E-05	--
7529	637636.2	4168548.9	Worker	Scenario 2	8.30E-03	5.62E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7530	637736.2	4168548.9	Worker	Scenario 2	8.91E-03	5.98E-05	--
7531	637836.2	4168548.9	Worker	Scenario 2	9.25E-03	6.21E-05	--
7532	637936.2	4168548.9	Worker	Scenario 2	9.61E-03	6.45E-05	--
7533	638036.2	4168548.9	Worker	Scenario 2	1.00E-02	6.73E-05	--
7534	638136.2	4168548.9	Worker	Scenario 2	1.04E-02	6.99E-05	--
7535	638236.2	4168548.9	Worker	Scenario 2	1.13E-02	7.52E-05	--
7536	638336.2	4168548.9	Worker	Scenario 2	1.15E-02	7.72E-05	--
7537	638436.2	4168548.9	Worker	Scenario 2	1.19E-02	8.04E-05	--
7538	638536.2	4168548.9	Worker	Scenario 2	1.25E-02	8.42E-05	--
7539	638636.2	4168548.9	Worker	Scenario 2	1.31E-02	8.88E-05	--
7540	638736.2	4168548.9	Worker	Scenario 2	1.36E-02	9.29E-05	--
7541	642336.2	4168548.9	Worker	Scenario 2	1.92E-01	1.13E-03	--
7542	642436.2	4168548.9	Worker	Scenario 2	1.96E-01	1.07E-03	--
7543	642536.2	4168548.9	Worker	Scenario 2	1.96E-01	1.00E-03	--
7544	642636.2	4168548.9	Worker	Scenario 2	1.95E-01	9.47E-04	--
7545	642736.2	4168548.9	Worker	Scenario 2	1.94E-01	8.98E-04	--
7546	642836.2	4168548.9	Worker	Scenario 2	1.90E-01	8.50E-04	--
7547	642936.2	4168548.9	Worker	Scenario 2	1.84E-01	8.01E-04	--
7548	643036.2	4168548.9	Worker	Scenario 2	1.76E-01	7.52E-04	--
7549	643136.2	4168548.9	Worker	Scenario 2	1.68E-01	7.08E-04	--
7550	643236.2	4168548.9	Worker	Scenario 2	1.60E-01	6.64E-04	--
7551	643336.2	4168548.9	Worker	Scenario 2	1.51E-01	6.20E-04	--
7552	643436.2	4168548.9	Worker	Scenario 2	1.41E-01	5.79E-04	--
7553	643536.2	4168548.9	Worker	Scenario 2	1.34E-01	5.45E-04	--
7554	643636.2	4168548.9	Worker	Scenario 2	1.31E-01	5.21E-04	--
7555	643736.2	4168548.9	Worker	Scenario 2	1.28E-01	5.02E-04	--
7556	643836.2	4168548.9	Worker	Scenario 2	1.24E-01	4.81E-04	--
7557	643936.2	4168548.9	Worker	Scenario 2	1.21E-01	4.61E-04	--
7558	644036.2	4168548.9	Worker	Scenario 2	1.17E-01	4.44E-04	--
7559	644136.2	4168548.9	Worker	Scenario 2	1.14E-01	4.28E-04	--
7560	644236.2	4168548.9	Worker	Scenario 2	1.12E-01	4.13E-04	--
7561	644336.2	4168548.9	Worker	Scenario 2	1.09E-01	3.99E-04	--
7562	644436.2	4168548.9	Worker	Scenario 2	1.07E-01	3.86E-04	--
7563	644536.2	4168548.9	Worker	Scenario 2	1.05E-01	3.74E-04	--
7564	644636.2	4168548.9	Worker	Scenario 2	1.03E-01	3.65E-04	--
7565	644736.2	4168548.9	Worker	Scenario 2	1.02E-01	3.56E-04	--
7566	645436.2	4168548.9	Worker	Scenario 2	9.22E-02	3.03E-04	--
7567	645536.2	4168548.9	Worker	Scenario 2	9.04E-02	2.96E-04	--
7568	645636.2	4168548.9	Worker	Scenario 2	8.85E-02	2.88E-04	--
7569	645736.2	4168548.9	Worker	Scenario 2	8.66E-02	2.81E-04	--
7570	645836.2	4168548.9	Worker	Scenario 2	8.46E-02	2.73E-04	--
7571	645936.2	4168548.9	Worker	Scenario 2	8.25E-02	2.66E-04	--
7572	646036.2	4168548.9	Worker	Scenario 2	8.05E-02	2.59E-04	--
7573	646236.2	4168548.9	Worker	Scenario 2	7.66E-02	2.45E-04	--
7574	646336.2	4168548.9	Worker	Scenario 2	7.48E-02	2.39E-04	--
7575	646436.2	4168548.9	Worker	Scenario 2	7.30E-02	2.33E-04	--
7576	646536.2	4168548.9	Worker	Scenario 2	7.13E-02	2.27E-04	--
7577	646636.2	4168548.9	Worker	Scenario 2	6.96E-02	2.21E-04	--
7578	635736.2	4168648.9	Worker	Scenario 2	3.39E-03	2.80E-05	--
7579	635836.2	4168648.9	Worker	Scenario 2	3.53E-03	2.89E-05	--
7580	635936.2	4168648.9	Worker	Scenario 2	3.66E-03	2.98E-05	--
7581	636036.2	4168648.9	Worker	Scenario 2	3.85E-03	3.10E-05	--
7582	636136.2	4168648.9	Worker	Scenario 2	4.41E-03	3.36E-05	--
7583	636236.2	4168648.9	Worker	Scenario 2	4.30E-03	3.34E-05	--
7584	636336.2	4168648.9	Worker	Scenario 2	4.59E-03	3.47E-05	--
7585	636436.2	4168648.9	Worker	Scenario 2	4.89E-03	3.62E-05	--
7586	636536.2	4168648.9	Worker	Scenario 2	5.05E-03	3.72E-05	--
7587	636636.2	4168648.9	Worker	Scenario 2	5.18E-03	3.80E-05	--
7588	636736.2	4168648.9	Worker	Scenario 2	5.44E-03	3.94E-05	--
7589	636836.2	4168648.9	Worker	Scenario 2	5.85E-03	4.15E-05	--
7590	636936.2	4168648.9	Worker	Scenario 2	6.28E-03	4.36E-05	--
7591	637036.2	4168648.9	Worker	Scenario 2	6.77E-03	4.60E-05	--
7592	637136.2	4168648.9	Worker	Scenario 2	6.79E-03	4.66E-05	--
7593	637236.2	4168648.9	Worker	Scenario 2	7.17E-03	4.87E-05	--
7594	637336.2	4168648.9	Worker	Scenario 2	7.89E-03	5.23E-05	--
7595	637436.2	4168648.9	Worker	Scenario 2	8.35E-03	5.51E-05	--
7596	637536.2	4168648.9	Worker	Scenario 2	8.61E-03	5.68E-05	--
7597	637636.2	4168648.9	Worker	Scenario 2	8.46E-03	5.66E-05	--
7598	637736.2	4168648.9	Worker	Scenario 2	8.82E-03	5.89E-05	--
7599	637836.2	4168648.9	Worker	Scenario 2	9.34E-03	6.20E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7600	637936.2	4168648.9	Worker	Scenario 2	9.70E-03	6.45E-05	--
7601	638036.2	4168648.9	Worker	Scenario 2	1.02E-02	6.74E-05	--
7602	638136.2	4168648.9	Worker	Scenario 2	1.05E-02	6.99E-05	--
7603	638236.2	4168648.9	Worker	Scenario 2	1.11E-02	7.39E-05	--
7604	638336.2	4168648.9	Worker	Scenario 2	1.17E-02	7.76E-05	--
7605	638436.2	4168648.9	Worker	Scenario 2	1.25E-02	8.28E-05	--
7606	638536.2	4168648.9	Worker	Scenario 2	1.27E-02	8.47E-05	--
7607	642136.2	4168648.9	Worker	Scenario 2	1.69E-01	1.14E-03	--
7608	642236.2	4168648.9	Worker	Scenario 2	1.72E-01	1.06E-03	--
7609	642336.2	4168648.9	Worker	Scenario 2	1.73E-01	9.91E-04	--
7610	642436.2	4168648.9	Worker	Scenario 2	1.75E-01	9.37E-04	--
7611	642536.2	4168648.9	Worker	Scenario 2	1.75E-01	8.88E-04	--
7612	642636.2	4168648.9	Worker	Scenario 2	1.75E-01	8.43E-04	--
7613	642736.2	4168648.9	Worker	Scenario 2	1.73E-01	8.02E-04	--
7614	642836.2	4168648.9	Worker	Scenario 2	1.70E-01	7.61E-04	--
7615	642936.2	4168648.9	Worker	Scenario 2	1.64E-01	7.19E-04	--
7616	643036.2	4168648.9	Worker	Scenario 2	1.58E-01	6.79E-04	--
7617	643136.2	4168648.9	Worker	Scenario 2	1.52E-01	6.42E-04	--
7618	643236.2	4168648.9	Worker	Scenario 2	1.46E-01	6.07E-04	--
7619	643336.2	4168648.9	Worker	Scenario 2	1.38E-01	5.71E-04	--
7620	643436.2	4168648.9	Worker	Scenario 2	1.31E-01	5.36E-04	--
7621	643536.2	4168648.9	Worker	Scenario 2	1.24E-01	5.05E-04	--
7622	643636.2	4168648.9	Worker	Scenario 2	1.20E-01	4.82E-04	--
7623	643736.2	4168648.9	Worker	Scenario 2	1.18E-01	4.65E-04	--
7624	643836.2	4168648.9	Worker	Scenario 2	1.15E-01	4.48E-04	--
7625	643936.2	4168648.9	Worker	Scenario 2	1.12E-01	4.31E-04	--
7626	644036.2	4168648.9	Worker	Scenario 2	1.09E-01	4.14E-04	--
7627	644136.2	4168648.9	Worker	Scenario 2	1.06E-01	3.99E-04	--
7628	644236.2	4168648.9	Worker	Scenario 2	1.03E-01	3.85E-04	--
7629	644336.2	4168648.9	Worker	Scenario 2	1.01E-01	3.73E-04	--
7630	644436.2	4168648.9	Worker	Scenario 2	9.83E-02	3.61E-04	--
7631	644536.2	4168648.9	Worker	Scenario 2	9.59E-02	3.49E-04	--
7632	644636.2	4168648.9	Worker	Scenario 2	9.39E-02	3.39E-04	--
7633	644736.2	4168648.9	Worker	Scenario 2	9.22E-02	3.29E-04	--
7634	644836.2	4168648.9	Worker	Scenario 2	9.07E-02	3.21E-04	--
7635	644936.2	4168648.9	Worker	Scenario 2	8.94E-02	3.13E-04	--
7636	645036.2	4168648.9	Worker	Scenario 2	8.85E-02	3.07E-04	--
7637	645136.2	4168648.9	Worker	Scenario 2	8.75E-02	3.00E-04	--
7638	645236.2	4168648.9	Worker	Scenario 2	8.64E-02	2.94E-04	--
7639	645336.2	4168648.9	Worker	Scenario 2	8.53E-02	2.88E-04	--
7640	645436.2	4168648.9	Worker	Scenario 2	8.41E-02	2.82E-04	--
7641	645536.2	4168648.9	Worker	Scenario 2	8.27E-02	2.76E-04	--
7642	645636.2	4168648.9	Worker	Scenario 2	8.13E-02	2.69E-04	--
7643	645736.2	4168648.9	Worker	Scenario 2	7.98E-02	2.63E-04	--
7644	645836.2	4168648.9	Worker	Scenario 2	7.82E-02	2.57E-04	--
7645	645936.2	4168648.9	Worker	Scenario 2	7.65E-02	2.50E-04	--
7646	646036.2	4168648.9	Worker	Scenario 2	7.48E-02	2.44E-04	--
7647	646236.2	4168648.9	Worker	Scenario 2	7.15E-02	2.31E-04	--
7648	646336.2	4168648.9	Worker	Scenario 2	6.98E-02	2.26E-04	--
7649	646436.2	4168648.9	Worker	Scenario 2	6.83E-02	2.20E-04	--
7650	646536.2	4168648.9	Worker	Scenario 2	6.68E-02	2.15E-04	--
7651	635736.2	4168748.9	Worker	Scenario 2	3.41E-03	2.80E-05	--
7652	635836.2	4168748.9	Worker	Scenario 2	3.54E-03	2.88E-05	--
7653	635936.2	4168748.9	Worker	Scenario 2	3.73E-03	2.99E-05	--
7654	636036.2	4168748.9	Worker	Scenario 2	3.98E-03	3.11E-05	--
7655	636136.2	4168748.9	Worker	Scenario 2	4.17E-03	3.21E-05	--
7656	636236.2	4168748.9	Worker	Scenario 2	4.41E-03	3.34E-05	--
7657	636336.2	4168748.9	Worker	Scenario 2	4.69E-03	3.48E-05	--
7658	636436.2	4168748.9	Worker	Scenario 2	5.11E-03	3.69E-05	--
7659	636536.2	4168748.9	Worker	Scenario 2	5.81E-03	4.00E-05	--
7660	636636.2	4168748.9	Worker	Scenario 2	5.52E-03	3.91E-05	--
7661	636736.2	4168748.9	Worker	Scenario 2	5.58E-03	3.97E-05	--
7662	636836.2	4168748.9	Worker	Scenario 2	5.76E-03	4.08E-05	--
7663	636936.2	4168748.9	Worker	Scenario 2	6.11E-03	4.27E-05	--
7664	637036.2	4168748.9	Worker	Scenario 2	6.44E-03	4.44E-05	--
7665	637136.2	4168748.9	Worker	Scenario 2	7.14E-03	4.78E-05	--
7666	637236.2	4168748.9	Worker	Scenario 2	7.49E-03	4.98E-05	--
7667	637336.2	4168748.9	Worker	Scenario 2	7.97E-03	5.25E-05	--
7668	637436.2	4168748.9	Worker	Scenario 2	8.25E-03	5.44E-05	--
7669	637536.2	4168748.9	Worker	Scenario 2	8.66E-03	5.68E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7670	637636.2	4168748.9	Worker	Scenario 2	8.72E-03	5.76E-05	--
7671	637736.2	4168748.9	Worker	Scenario 2	9.09E-03	5.99E-05	--
7672	637836.2	4168748.9	Worker	Scenario 2	9.49E-03	6.25E-05	--
7673	637936.2	4168748.9	Worker	Scenario 2	9.89E-03	6.51E-05	--
7674	638036.2	4168748.9	Worker	Scenario 2	1.03E-02	6.77E-05	--
7675	638136.2	4168748.9	Worker	Scenario 2	1.07E-02	7.06E-05	--
7676	638236.2	4168748.9	Worker	Scenario 2	1.13E-02	7.40E-05	--
7677	638336.2	4168748.9	Worker	Scenario 2	1.19E-02	7.80E-05	--
7678	638436.2	4168748.9	Worker	Scenario 2	1.26E-02	8.28E-05	--
7679	641936.2	4168748.9	Worker	Scenario 2	1.56E-01	1.22E-03	--
7680	642036.2	4168748.9	Worker	Scenario 2	1.56E-01	1.10E-03	--
7681	642136.2	4168748.9	Worker	Scenario 2	1.57E-01	1.01E-03	--
7682	642236.2	4168748.9	Worker	Scenario 2	1.58E-01	9.42E-04	--
7683	642336.2	4168748.9	Worker	Scenario 2	1.59E-01	8.87E-04	--
7684	642436.2	4168748.9	Worker	Scenario 2	1.59E-01	8.39E-04	--
7685	642536.2	4168748.9	Worker	Scenario 2	1.59E-01	7.96E-04	--
7686	642636.2	4168748.9	Worker	Scenario 2	1.58E-01	7.57E-04	--
7687	642736.2	4168748.9	Worker	Scenario 2	1.56E-01	7.22E-04	--
7688	642836.2	4168748.9	Worker	Scenario 2	1.53E-01	6.87E-04	--
7689	642936.2	4168748.9	Worker	Scenario 2	1.48E-01	6.51E-04	--
7690	643036.2	4168748.9	Worker	Scenario 2	1.43E-01	6.17E-04	--
7691	643136.2	4168748.9	Worker	Scenario 2	1.39E-01	5.86E-04	--
7692	643236.2	4168748.9	Worker	Scenario 2	1.33E-01	5.57E-04	--
7693	643336.2	4168748.9	Worker	Scenario 2	1.28E-01	5.28E-04	--
7694	643436.2	4168748.9	Worker	Scenario 2	1.21E-01	4.98E-04	--
7695	643536.2	4168748.9	Worker	Scenario 2	1.15E-01	4.71E-04	--
7696	643636.2	4168748.9	Worker	Scenario 2	1.11E-01	4.48E-04	--
7697	643736.2	4168748.9	Worker	Scenario 2	1.09E-01	4.32E-04	--
7698	643836.2	4168748.9	Worker	Scenario 2	1.07E-01	4.18E-04	--
7699	643936.2	4168748.9	Worker	Scenario 2	1.05E-01	4.04E-04	--
7700	644036.2	4168748.9	Worker	Scenario 2	1.02E-01	3.88E-04	--
7701	644136.2	4168748.9	Worker	Scenario 2	9.86E-02	3.74E-04	--
7702	644236.2	4168748.9	Worker	Scenario 2	9.61E-02	3.61E-04	--
7703	644336.2	4168748.9	Worker	Scenario 2	9.38E-02	3.50E-04	--
7704	644436.2	4168748.9	Worker	Scenario 2	9.16E-02	3.39E-04	--
7705	644536.2	4168748.9	Worker	Scenario 2	8.93E-02	3.28E-04	--
7706	644636.2	4168748.9	Worker	Scenario 2	8.71E-02	3.18E-04	--
7707	644736.2	4168748.9	Worker	Scenario 2	8.51E-02	3.09E-04	--
7708	644836.2	4168748.9	Worker	Scenario 2	8.34E-02	3.00E-04	--
7709	644936.2	4168748.9	Worker	Scenario 2	8.19E-02	2.92E-04	--
7710	645036.2	4168748.9	Worker	Scenario 2	8.08E-02	2.86E-04	--
7711	645136.2	4168748.9	Worker	Scenario 2	7.99E-02	2.80E-04	--
7712	645236.2	4168748.9	Worker	Scenario 2	7.89E-02	2.74E-04	--
7713	645336.2	4168748.9	Worker	Scenario 2	7.80E-02	2.68E-04	--
7714	645436.2	4168748.9	Worker	Scenario 2	7.70E-02	2.63E-04	--
7715	645536.2	4168748.9	Worker	Scenario 2	7.59E-02	2.58E-04	--
7716	645636.2	4168748.9	Worker	Scenario 2	7.49E-02	2.52E-04	--
7717	645736.2	4168748.9	Worker	Scenario 2	7.37E-02	2.47E-04	--
7718	645836.2	4168748.9	Worker	Scenario 2	7.25E-02	2.41E-04	--
7719	645936.2	4168748.9	Worker	Scenario 2	7.11E-02	2.36E-04	--
7720	646036.2	4168748.9	Worker	Scenario 2	6.97E-02	2.30E-04	--
7721	646236.2	4168748.9	Worker	Scenario 2	6.68E-02	2.19E-04	--
7722	646336.2	4168748.9	Worker	Scenario 2	6.54E-02	2.14E-04	--
7723	646436.2	4168748.9	Worker	Scenario 2	6.40E-02	2.09E-04	--
7724	646536.2	4168748.9	Worker	Scenario 2	6.27E-02	2.04E-04	--
7725	635736.2	4168848.9	Worker	Scenario 2	3.47E-03	2.81E-05	--
7726	635836.2	4168848.9	Worker	Scenario 2	3.60E-03	2.89E-05	--
7727	635936.2	4168848.9	Worker	Scenario 2	3.76E-03	2.98E-05	--
7728	636036.2	4168848.9	Worker	Scenario 2	4.18E-03	3.17E-05	--
7729	636136.2	4168848.9	Worker	Scenario 2	4.26E-03	3.23E-05	--
7730	636236.2	4168848.9	Worker	Scenario 2	4.43E-03	3.32E-05	--
7731	636336.2	4168848.9	Worker	Scenario 2	4.62E-03	3.43E-05	--
7732	636436.2	4168848.9	Worker	Scenario 2	4.85E-03	3.56E-05	--
7733	636536.2	4168848.9	Worker	Scenario 2	5.11E-03	3.70E-05	--
7734	636636.2	4168848.9	Worker	Scenario 2	5.64E-03	3.95E-05	--
7735	636736.2	4168848.9	Worker	Scenario 2	6.47E-03	4.32E-05	--
7736	636836.2	4168848.9	Worker	Scenario 2	6.16E-03	4.24E-05	--
7737	636936.2	4168848.9	Worker	Scenario 2	6.25E-03	4.32E-05	--
7738	637036.2	4168848.9	Worker	Scenario 2	6.58E-03	4.50E-05	--
7739	637136.2	4168848.9	Worker	Scenario 2	6.89E-03	4.68E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7740	637236.2	4168848.9	Worker	Scenario 2	7.29E-03	4.89E-05	--
7741	637336.2	4168848.9	Worker	Scenario 2	7.67E-03	5.11E-05	--
7742	637436.2	4168848.9	Worker	Scenario 2	8.19E-03	5.40E-05	--
7743	637536.2	4168848.9	Worker	Scenario 2	8.76E-03	5.71E-05	--
7744	637636.2	4168848.9	Worker	Scenario 2	8.96E-03	5.86E-05	--
7745	637736.2	4168848.9	Worker	Scenario 2	9.28E-03	6.07E-05	--
7746	637836.2	4168848.9	Worker	Scenario 2	9.76E-03	6.36E-05	--
7747	637936.2	4168848.9	Worker	Scenario 2	1.02E-02	6.63E-05	--
7748	638036.2	4168848.9	Worker	Scenario 2	1.05E-02	6.86E-05	--
7749	638136.2	4168848.9	Worker	Scenario 2	1.10E-02	7.15E-05	--
7750	638236.2	4168848.9	Worker	Scenario 2	1.15E-02	7.47E-05	--
7751	641636.2	4168848.9	Worker	Scenario 2	1.75E-01	1.95E-03	--
7752	641736.2	4168848.9	Worker	Scenario 2	1.59E-01	1.51E-03	--
7753	641836.2	4168848.9	Worker	Scenario 2	1.51E-01	1.25E-03	--
7754	641936.2	4168848.9	Worker	Scenario 2	1.48E-01	1.09E-03	--
7755	642036.2	4168848.9	Worker	Scenario 2	1.46E-01	9.83E-04	--
7756	642136.2	4168848.9	Worker	Scenario 2	1.46E-01	9.06E-04	--
7757	642236.2	4168848.9	Worker	Scenario 2	1.46E-01	8.47E-04	--
7758	642336.2	4168848.9	Worker	Scenario 2	1.46E-01	7.98E-04	--
7759	642436.2	4168848.9	Worker	Scenario 2	1.46E-01	7.55E-04	--
7760	642536.2	4168848.9	Worker	Scenario 2	1.45E-01	7.17E-04	--
7761	642636.2	4168848.9	Worker	Scenario 2	1.43E-01	6.84E-04	--
7762	642736.2	4168848.9	Worker	Scenario 2	1.42E-01	6.54E-04	--
7763	642836.2	4168848.9	Worker	Scenario 2	1.39E-01	6.23E-04	--
7764	642936.2	4168848.9	Worker	Scenario 2	1.35E-01	5.92E-04	--
7765	643036.2	4168848.9	Worker	Scenario 2	1.31E-01	5.64E-04	--
7766	643136.2	4168848.9	Worker	Scenario 2	1.27E-01	5.38E-04	--
7767	643236.2	4168848.9	Worker	Scenario 2	1.23E-01	5.13E-04	--
7768	643336.2	4168848.9	Worker	Scenario 2	1.18E-01	4.89E-04	--
7769	643436.2	4168848.9	Worker	Scenario 2	1.13E-01	4.64E-04	--
7770	643536.2	4168848.9	Worker	Scenario 2	1.08E-01	4.40E-04	--
7771	643636.2	4168848.9	Worker	Scenario 2	1.04E-01	4.19E-04	--
7772	643736.2	4168848.9	Worker	Scenario 2	1.01E-01	4.03E-04	--
7773	643836.2	4168848.9	Worker	Scenario 2	9.92E-02	3.90E-04	--
7774	643936.2	4168848.9	Worker	Scenario 2	9.75E-02	3.78E-04	--
7775	644036.2	4168848.9	Worker	Scenario 2	9.52E-02	3.66E-04	--
7776	644136.2	4168848.9	Worker	Scenario 2	9.25E-02	3.52E-04	--
7777	644236.2	4168848.9	Worker	Scenario 2	9.00E-02	3.40E-04	--
7778	644336.2	4168848.9	Worker	Scenario 2	8.77E-02	3.29E-04	--
7779	644436.2	4168848.9	Worker	Scenario 2	8.57E-02	3.19E-04	--
7780	644536.2	4168848.9	Worker	Scenario 2	8.36E-02	3.10E-04	--
7781	644836.2	4168848.9	Worker	Scenario 2	7.77E-02	2.83E-04	--
7782	644936.2	4168848.9	Worker	Scenario 2	7.61E-02	2.75E-04	--
7783	645036.2	4168848.9	Worker	Scenario 2	7.48E-02	2.69E-04	--
7784	645136.2	4168848.9	Worker	Scenario 2	7.36E-02	2.62E-04	--
7785	645236.2	4168848.9	Worker	Scenario 2	7.26E-02	2.57E-04	--
7786	645336.2	4168848.9	Worker	Scenario 2	7.17E-02	2.51E-04	--
7787	645436.2	4168848.9	Worker	Scenario 2	7.08E-02	2.46E-04	--
7788	645536.2	4168848.9	Worker	Scenario 2	7.00E-02	2.42E-04	--
7789	645636.2	4168848.9	Worker	Scenario 2	6.91E-02	2.37E-04	--
7790	645736.2	4168848.9	Worker	Scenario 2	6.82E-02	2.32E-04	--
7791	645836.2	4168848.9	Worker	Scenario 2	6.72E-02	2.27E-04	--
7792	645936.2	4168848.9	Worker	Scenario 2	6.62E-02	2.23E-04	--
7793	646036.2	4168848.9	Worker	Scenario 2	6.51E-02	2.18E-04	--
7794	646236.2	4168848.9	Worker	Scenario 2	6.26E-02	2.08E-04	--
7795	646336.2	4168848.9	Worker	Scenario 2	6.13E-02	2.03E-04	--
7796	646436.2	4168848.9	Worker	Scenario 2	6.02E-02	1.99E-04	--
7797	635736.2	4168948.9	Worker	Scenario 2	3.52E-03	2.82E-05	--
7798	635836.2	4168948.9	Worker	Scenario 2	3.67E-03	2.91E-05	--
7799	635936.2	4168948.9	Worker	Scenario 2	3.88E-03	3.02E-05	--
7800	636036.2	4168948.9	Worker	Scenario 2	4.23E-03	3.18E-05	--
7801	636136.2	4168948.9	Worker	Scenario 2	4.35E-03	3.25E-05	--
7802	636236.2	4168948.9	Worker	Scenario 2	4.73E-03	3.44E-05	--
7803	636336.2	4168948.9	Worker	Scenario 2	5.09E-03	3.63E-05	--
7804	636436.2	4168948.9	Worker	Scenario 2	5.24E-03	3.72E-05	--
7805	636536.2	4168948.9	Worker	Scenario 2	5.48E-03	3.85E-05	--
7806	636636.2	4168948.9	Worker	Scenario 2	5.75E-03	3.99E-05	--
7807	636736.2	4168948.9	Worker	Scenario 2	5.90E-03	4.10E-05	--
7808	636836.2	4168948.9	Worker	Scenario 2	6.52E-03	4.39E-05	--
7809	636936.2	4168948.9	Worker	Scenario 2	7.01E-03	4.63E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7810	637036.2	4168948.9	Worker	Scenario 2	6.98E-03	4.66E-05	--
7811	637136.2	4168948.9	Worker	Scenario 2	7.14E-03	4.78E-05	--
7812	637236.2	4168948.9	Worker	Scenario 2	7.48E-03	4.97E-05	--
7813	637336.2	4168948.9	Worker	Scenario 2	7.88E-03	5.20E-05	--
7814	637436.2	4168948.9	Worker	Scenario 2	8.25E-03	5.41E-05	--
7815	637536.2	4168948.9	Worker	Scenario 2	8.72E-03	5.68E-05	--
7816	637636.2	4168948.9	Worker	Scenario 2	9.18E-03	5.95E-05	--
7817	637736.2	4168948.9	Worker	Scenario 2	9.48E-03	6.15E-05	--
7818	637836.2	4168948.9	Worker	Scenario 2	9.80E-03	6.36E-05	--
7819	637936.2	4168948.9	Worker	Scenario 2	1.04E-02	6.72E-05	--
7820	638036.2	4168948.9	Worker	Scenario 2	1.08E-02	6.99E-05	--
7821	638136.2	4168948.9	Worker	Scenario 2	1.13E-02	7.28E-05	--
7822	641636.2	4168948.9	Worker	Scenario 2	1.68E-01	1.72E-03	--
7823	641736.2	4168948.9	Worker	Scenario 2	1.52E-01	1.33E-03	--
7824	641836.2	4168948.9	Worker	Scenario 2	1.44E-01	1.11E-03	--
7825	641936.2	4168948.9	Worker	Scenario 2	1.40E-01	9.73E-04	--
7826	642036.2	4168948.9	Worker	Scenario 2	1.38E-01	8.82E-04	--
7827	642136.2	4168948.9	Worker	Scenario 2	1.37E-01	8.14E-04	--
7828	642236.2	4168948.9	Worker	Scenario 2	1.36E-01	7.61E-04	--
7829	642336.2	4168948.9	Worker	Scenario 2	1.35E-01	7.18E-04	--
7830	642436.2	4168948.9	Worker	Scenario 2	1.34E-01	6.81E-04	--
7831	642536.2	4168948.9	Worker	Scenario 2	1.33E-01	6.49E-04	--
7832	642636.2	4168948.9	Worker	Scenario 2	1.32E-01	6.21E-04	--
7833	642736.2	4168948.9	Worker	Scenario 2	1.30E-01	5.95E-04	--
7834	642836.2	4168948.9	Worker	Scenario 2	1.27E-01	5.68E-04	--
7835	642936.2	4168948.9	Worker	Scenario 2	1.24E-01	5.42E-04	--
7836	643036.2	4168948.9	Worker	Scenario 2	1.20E-01	5.17E-04	--
7837	643136.2	4168948.9	Worker	Scenario 2	1.17E-01	4.95E-04	--
7838	643236.2	4168948.9	Worker	Scenario 2	1.14E-01	4.75E-04	--
7839	643336.2	4168948.9	Worker	Scenario 2	1.10E-01	4.54E-04	--
7840	643436.2	4168948.9	Worker	Scenario 2	1.06E-01	4.33E-04	--
7841	643536.2	4168948.9	Worker	Scenario 2	1.01E-01	4.12E-04	--
7842	643636.2	4168948.9	Worker	Scenario 2	9.68E-02	3.93E-04	--
7843	643736.2	4168948.9	Worker	Scenario 2	9.40E-02	3.77E-04	--
7844	643836.2	4168948.9	Worker	Scenario 2	9.23E-02	3.65E-04	--
7845	643936.2	4168948.9	Worker	Scenario 2	9.11E-02	3.55E-04	--
7846	644036.2	4168948.9	Worker	Scenario 2	8.94E-02	3.44E-04	--
7847	644136.2	4168948.9	Worker	Scenario 2	8.72E-02	3.33E-04	--
7848	644236.2	4168948.9	Worker	Scenario 2	8.47E-02	3.21E-04	--
7849	644336.2	4168948.9	Worker	Scenario 2	8.25E-02	3.11E-04	--
7850	644436.2	4168948.9	Worker	Scenario 2	8.05E-02	3.01E-04	--
7851	644536.2	4168948.9	Worker	Scenario 2	7.87E-02	2.93E-04	--
7852	644836.2	4168948.9	Worker	Scenario 2	7.30E-02	2.68E-04	--
7853	644936.2	4168948.9	Worker	Scenario 2	7.13E-02	2.60E-04	--
7854	645036.2	4168948.9	Worker	Scenario 2	6.99E-02	2.54E-04	--
7855	645136.2	4168948.9	Worker	Scenario 2	6.85E-02	2.47E-04	--
7856	645236.2	4168948.9	Worker	Scenario 2	6.73E-02	2.42E-04	--
7857	645336.2	4168948.9	Worker	Scenario 2	6.63E-02	2.36E-04	--
7858	645436.2	4168948.9	Worker	Scenario 2	6.53E-02	2.31E-04	--
7859	645536.2	4168948.9	Worker	Scenario 2	6.45E-02	2.27E-04	--
7860	645636.2	4168948.9	Worker	Scenario 2	6.38E-02	2.22E-04	--
7861	645736.2	4168948.9	Worker	Scenario 2	6.30E-02	2.18E-04	--
7862	645836.2	4168948.9	Worker	Scenario 2	6.22E-02	2.14E-04	--
7863	646036.2	4168948.9	Worker	Scenario 2	6.06E-02	2.06E-04	--
7864	646236.2	4168948.9	Worker	Scenario 2	5.86E-02	1.98E-04	--
7865	646336.2	4168948.9	Worker	Scenario 2	5.76E-02	1.93E-04	--
7866	635636.2	4169048.9	Worker	Scenario 2	3.41E-03	2.73E-05	--
7867	635736.2	4169048.9	Worker	Scenario 2	3.52E-03	2.81E-05	--
7868	635836.2	4169048.9	Worker	Scenario 2	3.70E-03	2.91E-05	--
7869	635936.2	4169048.9	Worker	Scenario 2	4.00E-03	3.07E-05	--
7870	636036.2	4169048.9	Worker	Scenario 2	4.26E-03	3.19E-05	--
7871	636136.2	4169048.9	Worker	Scenario 2	4.40E-03	3.27E-05	--
7872	636236.2	4169048.9	Worker	Scenario 2	4.58E-03	3.38E-05	--
7873	636336.2	4169048.9	Worker	Scenario 2	4.82E-03	3.51E-05	--
7874	636436.2	4169048.9	Worker	Scenario 2	5.10E-03	3.66E-05	--
7875	636536.2	4169048.9	Worker	Scenario 2	5.41E-03	3.82E-05	--
7876	636636.2	4169048.9	Worker	Scenario 2	5.72E-03	3.98E-05	--
7877	636736.2	4169048.9	Worker	Scenario 2	6.22E-03	4.22E-05	--
7878	636836.2	4169048.9	Worker	Scenario 2	6.58E-03	4.40E-05	--
7879	636936.2	4169048.9	Worker	Scenario 2	6.77E-03	4.53E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7880	637036.2	4169048.9	Worker	Scenario 2	7.35E-03	4.81E-05	--
7881	637136.2	4169048.9	Worker	Scenario 2	7.89E-03	5.09E-05	--
7882	637236.2	4169048.9	Worker	Scenario 2	7.88E-03	5.13E-05	--
7883	637336.2	4169048.9	Worker	Scenario 2	8.12E-03	5.28E-05	--
7884	637436.2	4169048.9	Worker	Scenario 2	8.50E-03	5.50E-05	--
7885	637536.2	4169048.9	Worker	Scenario 2	8.86E-03	5.72E-05	--
7886	637636.2	4169048.9	Worker	Scenario 2	9.38E-03	6.02E-05	--
7887	637736.2	4169048.9	Worker	Scenario 2	9.74E-03	6.24E-05	--
7888	637836.2	4169048.9	Worker	Scenario 2	1.01E-02	6.48E-05	--
7889	637936.2	4169048.9	Worker	Scenario 2	1.06E-02	6.79E-05	--
7890	638036.2	4169048.9	Worker	Scenario 2	1.12E-02	7.13E-05	--
7891	640236.2	4169048.9	Worker	Scenario 2	4.02E-02	3.08E-04	--
7892	641636.2	4169048.9	Worker	Scenario 2	1.61E-01	1.48E-03	--
7893	641736.2	4169048.9	Worker	Scenario 2	1.45E-01	1.15E-03	--
7894	641836.2	4169048.9	Worker	Scenario 2	1.37E-01	9.76E-04	--
7895	641936.2	4169048.9	Worker	Scenario 2	1.32E-01	8.65E-04	--
7896	642036.2	4169048.9	Worker	Scenario 2	1.30E-01	7.88E-04	--
7897	642136.2	4169048.9	Worker	Scenario 2	1.28E-01	7.30E-04	--
7898	642236.2	4169048.9	Worker	Scenario 2	1.26E-01	6.85E-04	--
7899	642336.2	4169048.9	Worker	Scenario 2	1.25E-01	6.48E-04	--
7900	642436.2	4169048.9	Worker	Scenario 2	1.23E-01	6.16E-04	--
7901	642536.2	4169048.9	Worker	Scenario 2	1.22E-01	5.89E-04	--
7902	642636.2	4169048.9	Worker	Scenario 2	1.21E-01	5.66E-04	--
7903	642736.2	4169048.9	Worker	Scenario 2	1.20E-01	5.44E-04	--
7904	642836.2	4169048.9	Worker	Scenario 2	1.17E-01	5.21E-04	--
7905	642936.2	4169048.9	Worker	Scenario 2	1.14E-01	4.97E-04	--
7906	643036.2	4169048.9	Worker	Scenario 2	1.11E-01	4.76E-04	--
7907	643136.2	4169048.9	Worker	Scenario 2	1.08E-01	4.58E-04	--
7908	643236.2	4169048.9	Worker	Scenario 2	1.05E-01	4.40E-04	--
7909	643336.2	4169048.9	Worker	Scenario 2	1.02E-01	4.23E-04	--
7910	643436.2	4169048.9	Worker	Scenario 2	9.88E-02	4.05E-04	--
7911	643536.2	4169048.9	Worker	Scenario 2	9.49E-02	3.87E-04	--
7912	643636.2	4169048.9	Worker	Scenario 2	9.10E-02	3.69E-04	--
7913	643736.2	4169048.9	Worker	Scenario 2	8.80E-02	3.54E-04	--
7914	643836.2	4169048.9	Worker	Scenario 2	8.61E-02	3.42E-04	--
7915	643936.2	4169048.9	Worker	Scenario 2	8.50E-02	3.33E-04	--
7916	644036.2	4169048.9	Worker	Scenario 2	8.39E-02	3.24E-04	--
7917	644236.2	4169048.9	Worker	Scenario 2	8.02E-02	3.05E-04	--
7918	644336.2	4169048.9	Worker	Scenario 2	7.80E-02	2.95E-04	--
7919	644436.2	4169048.9	Worker	Scenario 2	7.61E-02	2.86E-04	--
7920	644836.2	4169048.9	Worker	Scenario 2	6.91E-02	2.55E-04	--
7921	644936.2	4169048.9	Worker	Scenario 2	6.75E-02	2.48E-04	--
7922	645036.2	4169048.9	Worker	Scenario 2	6.60E-02	2.41E-04	--
7923	645136.2	4169048.9	Worker	Scenario 2	6.45E-02	2.35E-04	--
7924	645236.2	4169048.9	Worker	Scenario 2	6.32E-02	2.29E-04	--
7925	645336.2	4169048.9	Worker	Scenario 2	6.20E-02	2.24E-04	--
7926	645436.2	4169048.9	Worker	Scenario 2	6.10E-02	2.19E-04	--
7927	645536.2	4169048.9	Worker	Scenario 2	6.02E-02	2.14E-04	--
7928	645636.2	4169048.9	Worker	Scenario 2	5.94E-02	2.10E-04	--
7929	645736.2	4169048.9	Worker	Scenario 2	5.87E-02	2.06E-04	--
7930	645836.2	4169048.9	Worker	Scenario 2	5.80E-02	2.03E-04	--
7931	645936.2	4169048.9	Worker	Scenario 2	5.73E-02	1.99E-04	--
7932	646036.2	4169048.9	Worker	Scenario 2	5.66E-02	1.95E-04	--
7933	646236.2	4169048.9	Worker	Scenario 2	5.50E-02	1.88E-04	--
7934	635636.2	4169148.9	Worker	Scenario 2	4.01E-03	2.99E-05	--
7935	635736.2	4169148.9	Worker	Scenario 2	3.77E-03	2.91E-05	--
7936	635836.2	4169148.9	Worker	Scenario 2	3.80E-03	2.95E-05	--
7937	635936.2	4169148.9	Worker	Scenario 2	4.07E-03	3.07E-05	--
7938	636036.2	4169148.9	Worker	Scenario 2	4.29E-03	3.19E-05	--
7939	636136.2	4169148.9	Worker	Scenario 2	4.63E-03	3.36E-05	--
7940	636236.2	4169148.9	Worker	Scenario 2	4.95E-03	3.53E-05	--
7941	636336.2	4169148.9	Worker	Scenario 2	5.15E-03	3.63E-05	--
7942	636436.2	4169148.9	Worker	Scenario 2	5.37E-03	3.76E-05	--
7943	636536.2	4169148.9	Worker	Scenario 2	5.63E-03	3.90E-05	--
7944	636636.2	4169148.9	Worker	Scenario 2	5.86E-03	4.02E-05	--
7945	636736.2	4169148.9	Worker	Scenario 2	6.20E-03	4.20E-05	--
7946	636836.2	4169148.9	Worker	Scenario 2	6.55E-03	4.38E-05	--
7947	636936.2	4169148.9	Worker	Scenario 2	6.89E-03	4.55E-05	--
7948	637036.2	4169148.9	Worker	Scenario 2	7.27E-03	4.75E-05	--
7949	637136.2	4169148.9	Worker	Scenario 2	7.68E-03	4.97E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
7950	637236.2	4169148.9	Worker	Scenario 2	8.17E-03	5.24E-05	--
7951	637336.2	4169148.9	Worker	Scenario 2	8.55E-03	5.45E-05	--
7952	637436.2	4169148.9	Worker	Scenario 2	8.77E-03	5.60E-05	--
7953	637536.2	4169148.9	Worker	Scenario 2	9.19E-03	5.84E-05	--
7954	637636.2	4169148.9	Worker	Scenario 2	9.58E-03	6.08E-05	--
7955	637736.2	4169148.9	Worker	Scenario 2	9.96E-03	6.32E-05	--
7956	637836.2	4169148.9	Worker	Scenario 2	1.04E-02	6.58E-05	--
7957	640136.2	4169148.9	Worker	Scenario 2	3.76E-02	2.78E-04	--
7958	640236.2	4169148.9	Worker	Scenario 2	4.03E-02	3.06E-04	--
7959	641636.2	4169148.9	Worker	Scenario 2	1.55E-01	1.24E-03	--
7960	641736.2	4169148.9	Worker	Scenario 2	1.39E-01	9.93E-04	--
7961	641836.2	4169148.9	Worker	Scenario 2	1.31E-01	8.56E-04	--
7962	641936.2	4169148.9	Worker	Scenario 2	1.26E-01	7.68E-04	--
7963	642036.2	4169148.9	Worker	Scenario 2	1.22E-01	7.05E-04	--
7964	642136.2	4169148.9	Worker	Scenario 2	1.20E-01	6.57E-04	--
7965	642236.2	4169148.9	Worker	Scenario 2	1.18E-01	6.18E-04	--
7966	642336.2	4169148.9	Worker	Scenario 2	1.16E-01	5.87E-04	--
7967	642436.2	4169148.9	Worker	Scenario 2	1.15E-01	5.60E-04	--
7968	642536.2	4169148.9	Worker	Scenario 2	1.14E-01	5.38E-04	--
7969	642636.2	4169148.9	Worker	Scenario 2	1.13E-01	5.18E-04	--
7970	642736.2	4169148.9	Worker	Scenario 2	1.11E-01	4.99E-04	--
7971	642836.2	4169148.9	Worker	Scenario 2	1.09E-01	4.78E-04	--
7972	642936.2	4169148.9	Worker	Scenario 2	1.06E-01	4.58E-04	--
7973	643036.2	4169148.9	Worker	Scenario 2	1.03E-01	4.40E-04	--
7974	643136.2	4169148.9	Worker	Scenario 2	1.01E-01	4.24E-04	--
7975	643236.2	4169148.9	Worker	Scenario 2	9.82E-02	4.09E-04	--
7976	643336.2	4169148.9	Worker	Scenario 2	9.56E-02	3.94E-04	--
7977	643436.2	4169148.9	Worker	Scenario 2	9.27E-02	3.79E-04	--
7978	643536.2	4169148.9	Worker	Scenario 2	8.93E-02	3.64E-04	--
7979	643636.2	4169148.9	Worker	Scenario 2	8.58E-02	3.48E-04	--
7980	643736.2	4169148.9	Worker	Scenario 2	8.27E-02	3.33E-04	--
7981	643836.2	4169148.9	Worker	Scenario 2	8.07E-02	3.22E-04	--
7982	643936.2	4169148.9	Worker	Scenario 2	7.95E-02	3.13E-04	--
7983	644036.2	4169148.9	Worker	Scenario 2	7.87E-02	3.05E-04	--
7984	644136.2	4169148.9	Worker	Scenario 2	7.76E-02	2.98E-04	--
7985	644636.2	4169148.9	Worker	Scenario 2	6.86E-02	2.56E-04	--
7986	644736.2	4169148.9	Worker	Scenario 2	6.71E-02	2.49E-04	--
7987	644836.2	4169148.9	Worker	Scenario 2	6.56E-02	2.42E-04	--
7988	644936.2	4169148.9	Worker	Scenario 2	6.42E-02	2.36E-04	--
7989	645036.2	4169148.9	Worker	Scenario 2	6.28E-02	2.30E-04	--
7990	645136.2	4169148.9	Worker	Scenario 2	6.13E-02	2.24E-04	--
7991	645236.2	4169148.9	Worker	Scenario 2	5.99E-02	2.19E-04	--
7992	645336.2	4169148.9	Worker	Scenario 2	5.86E-02	2.13E-04	--
7993	645436.2	4169148.9	Worker	Scenario 2	5.75E-02	2.08E-04	--
7994	645536.2	4169148.9	Worker	Scenario 2	5.65E-02	2.04E-04	--
7995	645636.2	4169148.9	Worker	Scenario 2	5.57E-02	2.00E-04	--
7996	645736.2	4169148.9	Worker	Scenario 2	5.49E-02	1.96E-04	--
7997	645836.2	4169148.9	Worker	Scenario 2	5.42E-02	1.92E-04	--
7998	645936.2	4169148.9	Worker	Scenario 2	5.36E-02	1.89E-04	--
7999	646036.2	4169148.9	Worker	Scenario 2	5.30E-02	1.85E-04	--
8000	635636.2	4169248.9	Worker	Scenario 2	4.23E-03	3.07E-05	--
8001	635736.2	4169248.9	Worker	Scenario 2	4.52E-03	3.21E-05	--
8002	635836.2	4169248.9	Worker	Scenario 2	4.28E-03	3.15E-05	--
8003	635936.2	4169248.9	Worker	Scenario 2	4.19E-03	3.13E-05	--
8004	636036.2	4169248.9	Worker	Scenario 2	4.49E-03	3.27E-05	--
8005	636136.2	4169248.9	Worker	Scenario 2	4.75E-03	3.40E-05	--
8006	636236.2	4169248.9	Worker	Scenario 2	4.99E-03	3.53E-05	--
8007	636336.2	4169248.9	Worker	Scenario 2	5.33E-03	3.70E-05	--
8008	636436.2	4169248.9	Worker	Scenario 2	5.78E-03	3.90E-05	--
8009	636536.2	4169248.9	Worker	Scenario 2	6.22E-03	4.11E-05	--
8010	636636.2	4169248.9	Worker	Scenario 2	6.22E-03	4.14E-05	--
8011	636736.2	4169248.9	Worker	Scenario 2	6.48E-03	4.29E-05	--
8012	636836.2	4169248.9	Worker	Scenario 2	6.90E-03	4.49E-05	--
8013	636936.2	4169248.9	Worker	Scenario 2	7.21E-03	4.66E-05	--
8014	637036.2	4169248.9	Worker	Scenario 2	7.57E-03	4.86E-05	--
8015	637136.2	4169248.9	Worker	Scenario 2	7.90E-03	5.04E-05	--
8016	637236.2	4169248.9	Worker	Scenario 2	8.28E-03	5.26E-05	--
8017	637336.2	4169248.9	Worker	Scenario 2	8.79E-03	5.53E-05	--
8018	637436.2	4169248.9	Worker	Scenario 2	9.07E-03	5.71E-05	--
8019	637536.2	4169248.9	Worker	Scenario 2	9.50E-03	5.96E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8020	637636.2	4169248.9	Worker	Scenario 2	9.87E-03	6.19E-05	--
8021	637736.2	4169248.9	Worker	Scenario 2	1.03E-02	6.43E-05	--
8022	637936.2	4169248.9	Worker	Scenario 2	1.11E-02	6.95E-05	--
8023	640036.2	4169248.9	Worker	Scenario 2	3.53E-02	2.53E-04	--
8024	640136.2	4169248.9	Worker	Scenario 2	3.76E-02	2.76E-04	--
8025	640236.2	4169248.9	Worker	Scenario 2	4.03E-02	3.03E-04	--
8026	641636.2	4169248.9	Worker	Scenario 2	1.48E-01	1.01E-03	--
8027	641736.2	4169248.9	Worker	Scenario 2	1.33E-01	8.45E-04	--
8028	641836.2	4169248.9	Worker	Scenario 2	1.24E-01	7.47E-04	--
8029	641936.2	4169248.9	Worker	Scenario 2	1.19E-01	6.81E-04	--
8030	642036.2	4169248.9	Worker	Scenario 2	1.15E-01	6.33E-04	--
8031	642136.2	4169248.9	Worker	Scenario 2	1.13E-01	5.94E-04	--
8032	642236.2	4169248.9	Worker	Scenario 2	1.10E-01	5.62E-04	--
8033	642336.2	4169248.9	Worker	Scenario 2	1.08E-01	5.35E-04	--
8034	642436.2	4169248.9	Worker	Scenario 2	1.07E-01	5.13E-04	--
8035	642536.2	4169248.9	Worker	Scenario 2	1.06E-01	4.94E-04	--
8036	642636.2	4169248.9	Worker	Scenario 2	1.05E-01	4.77E-04	--
8037	642736.2	4169248.9	Worker	Scenario 2	1.04E-01	4.60E-04	--
8038	642836.2	4169248.9	Worker	Scenario 2	1.01E-01	4.42E-04	--
8039	642936.2	4169248.9	Worker	Scenario 2	9.84E-02	4.24E-04	--
8040	643036.2	4169248.9	Worker	Scenario 2	9.62E-02	4.09E-04	--
8041	643136.2	4169248.9	Worker	Scenario 2	9.41E-02	3.95E-04	--
8042	643236.2	4169248.9	Worker	Scenario 2	9.19E-02	3.81E-04	--
8043	643336.2	4169248.9	Worker	Scenario 2	8.96E-02	3.68E-04	--
8044	643436.2	4169248.9	Worker	Scenario 2	8.72E-02	3.56E-04	--
8045	643536.2	4169248.9	Worker	Scenario 2	8.43E-02	3.42E-04	--
8046	643636.2	4169248.9	Worker	Scenario 2	8.11E-02	3.28E-04	--
8047	643736.2	4169248.9	Worker	Scenario 2	7.81E-02	3.15E-04	--
8048	643836.2	4169248.9	Worker	Scenario 2	7.60E-02	3.04E-04	--
8049	643936.2	4169248.9	Worker	Scenario 2	7.47E-02	2.95E-04	--
8050	644036.2	4169248.9	Worker	Scenario 2	7.40E-02	2.88E-04	--
8051	644136.2	4169248.9	Worker	Scenario 2	7.30E-02	2.81E-04	--
8052	644236.2	4169248.9	Worker	Scenario 2	7.18E-02	2.74E-04	--
8053	644636.2	4169248.9	Worker	Scenario 2	6.51E-02	2.43E-04	--
8054	644736.2	4169248.9	Worker	Scenario 2	6.37E-02	2.37E-04	--
8055	644836.2	4169248.9	Worker	Scenario 2	6.24E-02	2.31E-04	--
8056	644936.2	4169248.9	Worker	Scenario 2	6.11E-02	2.25E-04	--
8057	645036.2	4169248.9	Worker	Scenario 2	5.98E-02	2.20E-04	--
8058	645136.2	4169248.9	Worker	Scenario 2	5.84E-02	2.14E-04	--
8059	645236.2	4169248.9	Worker	Scenario 2	5.71E-02	2.09E-04	--
8060	645336.2	4169248.9	Worker	Scenario 2	5.58E-02	2.04E-04	--
8061	645436.2	4169248.9	Worker	Scenario 2	5.46E-02	1.99E-04	--
8062	645536.2	4169248.9	Worker	Scenario 2	5.35E-02	1.94E-04	--
8063	645636.2	4169248.9	Worker	Scenario 2	5.26E-02	1.90E-04	--
8064	645736.2	4169248.9	Worker	Scenario 2	5.18E-02	1.87E-04	--
8065	645836.2	4169248.9	Worker	Scenario 2	5.10E-02	1.83E-04	--
8066	645936.2	4169248.9	Worker	Scenario 2	5.04E-02	1.80E-04	--
8067	646036.2	4169248.9	Worker	Scenario 2	4.98E-02	1.77E-04	--
8068	635636.2	4169348.9	Worker	Scenario 2	5.67E-03	3.61E-05	--
8069	635736.2	4169348.9	Worker	Scenario 2	4.89E-03	3.34E-05	--
8070	635836.2	4169348.9	Worker	Scenario 2	4.80E-03	3.34E-05	--
8071	635936.2	4169348.9	Worker	Scenario 2	4.80E-03	3.37E-05	--
8072	636036.2	4169348.9	Worker	Scenario 2	4.93E-03	3.44E-05	--
8073	636136.2	4169348.9	Worker	Scenario 2	5.04E-03	3.50E-05	--
8074	636236.2	4169348.9	Worker	Scenario 2	5.24E-03	3.61E-05	--
8075	636336.2	4169348.9	Worker	Scenario 2	5.57E-03	3.77E-05	--
8076	636436.2	4169348.9	Worker	Scenario 2	5.93E-03	3.94E-05	--
8077	636536.2	4169348.9	Worker	Scenario 2	6.23E-03	4.09E-05	--
8078	636636.2	4169348.9	Worker	Scenario 2	6.79E-03	4.35E-05	--
8079	636736.2	4169348.9	Worker	Scenario 2	6.83E-03	4.40E-05	--
8080	636836.2	4169348.9	Worker	Scenario 2	7.16E-03	4.58E-05	--
8081	636936.2	4169348.9	Worker	Scenario 2	7.65E-03	4.83E-05	--
8082	637036.2	4169348.9	Worker	Scenario 2	7.95E-03	5.00E-05	--
8083	637136.2	4169348.9	Worker	Scenario 2	8.39E-03	5.24E-05	--
8084	637236.2	4169348.9	Worker	Scenario 2	8.74E-03	5.44E-05	--
8085	637336.2	4169348.9	Worker	Scenario 2	9.06E-03	5.63E-05	--
8086	637436.2	4169348.9	Worker	Scenario 2	9.44E-03	5.85E-05	--
8087	637536.2	4169348.9	Worker	Scenario 2	9.80E-03	6.07E-05	--
8088	637636.2	4169348.9	Worker	Scenario 2	1.02E-02	6.30E-05	--
8089	637836.2	4169348.9	Worker	Scenario 2	1.09E-02	6.75E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8090	639736.2	4169348.9	Worker	Scenario 2	2.95E-02	1.99E-04	--
8091	639836.2	4169348.9	Worker	Scenario 2	3.13E-02	2.14E-04	--
8092	639936.2	4169348.9	Worker	Scenario 2	3.32E-02	2.32E-04	--
8093	640036.2	4169348.9	Worker	Scenario 2	3.53E-02	2.52E-04	--
8094	640136.2	4169348.9	Worker	Scenario 2	3.75E-02	2.74E-04	--
8095	640236.2	4169348.9	Worker	Scenario 2	4.01E-02	2.99E-04	--
8096	641636.2	4169348.9	Worker	Scenario 2	1.42E-01	8.36E-04	--
8097	641736.2	4169348.9	Worker	Scenario 2	1.27E-01	7.30E-04	--
8098	641836.2	4169348.9	Worker	Scenario 2	1.18E-01	6.59E-04	--
8099	641936.2	4169348.9	Worker	Scenario 2	1.13E-01	6.09E-04	--
8100	642036.2	4169348.9	Worker	Scenario 2	1.09E-01	5.71E-04	--
8101	642136.2	4169348.9	Worker	Scenario 2	1.06E-01	5.40E-04	--
8102	642236.2	4169348.9	Worker	Scenario 2	1.03E-01	5.13E-04	--
8103	642336.2	4169348.9	Worker	Scenario 2	1.02E-01	4.91E-04	--
8104	642436.2	4169348.9	Worker	Scenario 2	1.00E-01	4.72E-04	--
8105	642536.2	4169348.9	Worker	Scenario 2	9.96E-02	4.56E-04	--
8106	642636.2	4169348.9	Worker	Scenario 2	9.86E-02	4.42E-04	--
8107	642736.2	4169348.9	Worker	Scenario 2	9.69E-02	4.26E-04	--
8108	642836.2	4169348.9	Worker	Scenario 2	9.45E-02	4.10E-04	--
8109	642936.2	4169348.9	Worker	Scenario 2	9.20E-02	3.94E-04	--
8110	643036.2	4169348.9	Worker	Scenario 2	9.00E-02	3.81E-04	--
8111	643136.2	4169348.9	Worker	Scenario 2	8.82E-02	3.68E-04	--
8112	643236.2	4169348.9	Worker	Scenario 2	8.62E-02	3.56E-04	--
8113	643336.2	4169348.9	Worker	Scenario 2	8.42E-02	3.45E-04	--
8114	643436.2	4169348.9	Worker	Scenario 2	8.21E-02	3.34E-04	--
8115	643536.2	4169348.9	Worker	Scenario 2	7.96E-02	3.22E-04	--
8116	643636.2	4169348.9	Worker	Scenario 2	7.68E-02	3.10E-04	--
8117	643736.2	4169348.9	Worker	Scenario 2	7.41E-02	2.99E-04	--
8118	643836.2	4169348.9	Worker	Scenario 2	7.18E-02	2.88E-04	--
8119	643936.2	4169348.9	Worker	Scenario 2	7.02E-02	2.79E-04	--
8120	644036.2	4169348.9	Worker	Scenario 2	6.94E-02	2.72E-04	--
8121	644136.2	4169348.9	Worker	Scenario 2	6.88E-02	2.66E-04	--
8122	644236.2	4169348.9	Worker	Scenario 2	6.80E-02	2.60E-04	--
8123	644336.2	4169348.9	Worker	Scenario 2	6.68E-02	2.53E-04	--
8124	644636.2	4169348.9	Worker	Scenario 2	6.21E-02	2.32E-04	--
8125	644736.2	4169348.9	Worker	Scenario 2	6.07E-02	2.26E-04	--
8126	644836.2	4169348.9	Worker	Scenario 2	5.94E-02	2.21E-04	--
8127	644936.2	4169348.9	Worker	Scenario 2	5.82E-02	2.15E-04	--
8128	645036.2	4169348.9	Worker	Scenario 2	5.71E-02	2.10E-04	--
8129	645136.2	4169348.9	Worker	Scenario 2	5.59E-02	2.05E-04	--
8130	645236.2	4169348.9	Worker	Scenario 2	5.46E-02	2.00E-04	--
8131	645336.2	4169348.9	Worker	Scenario 2	5.34E-02	1.95E-04	--
8132	645436.2	4169348.9	Worker	Scenario 2	5.21E-02	1.91E-04	--
8133	645536.2	4169348.9	Worker	Scenario 2	5.10E-02	1.86E-04	--
8134	645636.2	4169348.9	Worker	Scenario 2	5.00E-02	1.82E-04	--
8135	645736.2	4169348.9	Worker	Scenario 2	4.91E-02	1.78E-04	--
8136	645836.2	4169348.9	Worker	Scenario 2	4.83E-02	1.75E-04	--
8137	645936.2	4169348.9	Worker	Scenario 2	4.76E-02	1.72E-04	--
8138	635636.2	4169448.9	Worker	Scenario 2	5.95E-03	3.70E-05	--
8139	635736.2	4169448.9	Worker	Scenario 2	5.93E-03	3.72E-05	--
8140	635836.2	4169448.9	Worker	Scenario 2	5.46E-03	3.56E-05	--
8141	635936.2	4169448.9	Worker	Scenario 2	5.49E-03	3.61E-05	--
8142	636036.2	4169448.9	Worker	Scenario 2	5.48E-03	3.63E-05	--
8143	636136.2	4169448.9	Worker	Scenario 2	5.51E-03	3.67E-05	--
8144	636236.2	4169448.9	Worker	Scenario 2	5.60E-03	3.73E-05	--
8145	636336.2	4169448.9	Worker	Scenario 2	5.81E-03	3.84E-05	--
8146	636436.2	4169448.9	Worker	Scenario 2	6.12E-03	3.99E-05	--
8147	636536.2	4169448.9	Worker	Scenario 2	6.47E-03	4.17E-05	--
8148	636636.2	4169448.9	Worker	Scenario 2	6.87E-03	4.36E-05	--
8149	636736.2	4169448.9	Worker	Scenario 2	7.32E-03	4.58E-05	--
8150	636836.2	4169448.9	Worker	Scenario 2	7.54E-03	4.71E-05	--
8151	636936.2	4169448.9	Worker	Scenario 2	7.95E-03	4.93E-05	--
8152	637036.2	4169448.9	Worker	Scenario 2	8.15E-03	5.06E-05	--
8153	637136.2	4169448.9	Worker	Scenario 2	8.42E-03	5.22E-05	--
8154	637236.2	4169448.9	Worker	Scenario 2	8.78E-03	5.42E-05	--
8155	637336.2	4169448.9	Worker	Scenario 2	9.14E-03	5.63E-05	--
8156	637436.2	4169448.9	Worker	Scenario 2	9.58E-03	5.88E-05	--
8157	637736.2	4169448.9	Worker	Scenario 2	1.08E-02	6.60E-05	--
8158	637836.2	4169448.9	Worker	Scenario 2	1.12E-02	6.85E-05	--
8159	639736.2	4169448.9	Worker	Scenario 2	2.96E-02	1.99E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8160	639836.2	4169448.9	Worker	Scenario 2	3.13E-02	2.14E-04	--
8161	639936.2	4169448.9	Worker	Scenario 2	3.31E-02	2.31E-04	--
8162	640036.2	4169448.9	Worker	Scenario 2	3.52E-02	2.49E-04	--
8163	640136.2	4169448.9	Worker	Scenario 2	3.74E-02	2.70E-04	--
8164	640236.2	4169448.9	Worker	Scenario 2	3.99E-02	2.94E-04	--
8165	641636.2	4169448.9	Worker	Scenario 2	1.37E-01	7.23E-04	--
8166	641736.2	4169448.9	Worker	Scenario 2	1.22E-01	6.46E-04	--
8167	641836.2	4169448.9	Worker	Scenario 2	1.13E-01	5.92E-04	--
8168	641936.2	4169448.9	Worker	Scenario 2	1.07E-01	5.52E-04	--
8169	642036.2	4169448.9	Worker	Scenario 2	1.03E-01	5.20E-04	--
8170	642136.2	4169448.9	Worker	Scenario 2	9.98E-02	4.93E-04	--
8171	642236.2	4169448.9	Worker	Scenario 2	9.73E-02	4.70E-04	--
8172	642336.2	4169448.9	Worker	Scenario 2	9.56E-02	4.52E-04	--
8173	642436.2	4169448.9	Worker	Scenario 2	9.45E-02	4.36E-04	--
8174	642536.2	4169448.9	Worker	Scenario 2	9.37E-02	4.23E-04	--
8175	642636.2	4169448.9	Worker	Scenario 2	9.26E-02	4.10E-04	--
8176	642736.2	4169448.9	Worker	Scenario 2	9.08E-02	3.96E-04	--
8177	642836.2	4169448.9	Worker	Scenario 2	8.85E-02	3.82E-04	--
8178	642936.2	4169448.9	Worker	Scenario 2	8.63E-02	3.68E-04	--
8179	643036.2	4169448.9	Worker	Scenario 2	8.44E-02	3.56E-04	--
8180	643136.2	4169448.9	Worker	Scenario 2	8.28E-02	3.45E-04	--
8181	643236.2	4169448.9	Worker	Scenario 2	8.11E-02	3.34E-04	--
8182	643336.2	4169448.9	Worker	Scenario 2	7.93E-02	3.24E-04	--
8183	643436.2	4169448.9	Worker	Scenario 2	7.74E-02	3.14E-04	--
8184	643536.2	4169448.9	Worker	Scenario 2	7.54E-02	3.05E-04	--
8185	643636.2	4169448.9	Worker	Scenario 2	7.28E-02	2.93E-04	--
8186	643736.2	4169448.9	Worker	Scenario 2	7.03E-02	2.83E-04	--
8187	643836.2	4169448.9	Worker	Scenario 2	6.79E-02	2.72E-04	--
8188	643936.2	4169448.9	Worker	Scenario 2	6.63E-02	2.64E-04	--
8189	644036.2	4169448.9	Worker	Scenario 2	6.54E-02	2.57E-04	--
8190	644136.2	4169448.9	Worker	Scenario 2	6.49E-02	2.52E-04	--
8191	644236.2	4169448.9	Worker	Scenario 2	6.43E-02	2.47E-04	--
8192	644336.2	4169448.9	Worker	Scenario 2	6.34E-02	2.41E-04	--
8193	644636.2	4169448.9	Worker	Scenario 2	5.94E-02	2.22E-04	--
8194	644736.2	4169448.9	Worker	Scenario 2	5.79E-02	2.16E-04	--
8195	644836.2	4169448.9	Worker	Scenario 2	5.66E-02	2.11E-04	--
8196	644936.2	4169448.9	Worker	Scenario 2	5.55E-02	2.06E-04	--
8197	645036.2	4169448.9	Worker	Scenario 2	5.44E-02	2.01E-04	--
8198	645136.2	4169448.9	Worker	Scenario 2	5.33E-02	1.96E-04	--
8199	645236.2	4169448.9	Worker	Scenario 2	5.22E-02	1.92E-04	--
8200	645336.2	4169448.9	Worker	Scenario 2	5.11E-02	1.87E-04	--
8201	645436.2	4169448.9	Worker	Scenario 2	4.99E-02	1.83E-04	--
8202	645536.2	4169448.9	Worker	Scenario 2	4.88E-02	1.79E-04	--
8203	645636.2	4169448.9	Worker	Scenario 2	4.77E-02	1.74E-04	--
8204	645736.2	4169448.9	Worker	Scenario 2	4.67E-02	1.71E-04	--
8205	635636.2	4169548.9	Worker	Scenario 2	6.06E-03	3.73E-05	--
8206	635736.2	4169548.9	Worker	Scenario 2	6.19E-03	3.81E-05	--
8207	635836.2	4169548.9	Worker	Scenario 2	6.28E-03	3.87E-05	--
8208	635936.2	4169548.9	Worker	Scenario 2	6.22E-03	3.86E-05	--
8209	636036.2	4169548.9	Worker	Scenario 2	5.76E-03	3.71E-05	--
8210	636136.2	4169548.9	Worker	Scenario 2	5.91E-03	3.80E-05	--
8211	636236.2	4169548.9	Worker	Scenario 2	6.07E-03	3.89E-05	--
8212	636336.2	4169548.9	Worker	Scenario 2	6.18E-03	3.96E-05	--
8213	636436.2	4169548.9	Worker	Scenario 2	6.40E-03	4.08E-05	--
8214	636536.2	4169548.9	Worker	Scenario 2	6.72E-03	4.24E-05	--
8215	636636.2	4169548.9	Worker	Scenario 2	7.09E-03	4.43E-05	--
8216	636736.2	4169548.9	Worker	Scenario 2	7.38E-03	4.58E-05	--
8217	636836.2	4169548.9	Worker	Scenario 2	7.64E-03	4.73E-05	--
8218	636936.2	4169548.9	Worker	Scenario 2	7.92E-03	4.89E-05	--
8219	637036.2	4169548.9	Worker	Scenario 2	8.25E-03	5.07E-05	--
8220	637136.2	4169548.9	Worker	Scenario 2	8.61E-03	5.27E-05	--
8221	637236.2	4169548.9	Worker	Scenario 2	8.94E-03	5.46E-05	--
8222	637336.2	4169548.9	Worker	Scenario 2	9.33E-03	5.68E-05	--
8223	637536.2	4169548.9	Worker	Scenario 2	1.03E-02	6.21E-05	--
8224	637636.2	4169548.9	Worker	Scenario 2	1.07E-02	6.45E-05	--
8225	637736.2	4169548.9	Worker	Scenario 2	1.10E-02	6.68E-05	--
8226	639636.2	4169548.9	Worker	Scenario 2	2.82E-02	1.85E-04	--
8227	639736.2	4169548.9	Worker	Scenario 2	2.96E-02	1.98E-04	--
8228	639836.2	4169548.9	Worker	Scenario 2	3.13E-02	2.13E-04	--
8229	639936.2	4169548.9	Worker	Scenario 2	3.30E-02	2.28E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8230	640036.2	4169548.9	Worker	Scenario 2	3.50E-02	2.46E-04	--
8231	640136.2	4169548.9	Worker	Scenario 2	3.71E-02	2.66E-04	--
8232	640236.2	4169548.9	Worker	Scenario 2	3.95E-02	2.88E-04	--
8233	641536.2	4169548.9	Worker	Scenario 2	1.59E-01	7.35E-04	--
8234	641636.2	4169548.9	Worker	Scenario 2	1.31E-01	6.42E-04	--
8235	641736.2	4169548.9	Worker	Scenario 2	1.16E-01	5.81E-04	--
8236	641836.2	4169548.9	Worker	Scenario 2	1.07E-01	5.37E-04	--
8237	641936.2	4169548.9	Worker	Scenario 2	1.02E-01	5.04E-04	--
8238	642036.2	4169548.9	Worker	Scenario 2	9.74E-02	4.77E-04	--
8239	642136.2	4169548.9	Worker	Scenario 2	9.41E-02	4.54E-04	--
8240	642236.2	4169548.9	Worker	Scenario 2	9.17E-02	4.34E-04	--
8241	642336.2	4169548.9	Worker	Scenario 2	9.00E-02	4.18E-04	--
8242	642436.2	4169548.9	Worker	Scenario 2	8.90E-02	4.05E-04	--
8243	642536.2	4169548.9	Worker	Scenario 2	8.82E-02	3.94E-04	--
8244	642636.2	4169548.9	Worker	Scenario 2	8.71E-02	3.82E-04	--
8245	642736.2	4169548.9	Worker	Scenario 2	8.53E-02	3.70E-04	--
8246	642836.2	4169548.9	Worker	Scenario 2	8.32E-02	3.57E-04	--
8247	642936.2	4169548.9	Worker	Scenario 2	8.11E-02	3.45E-04	--
8248	643036.2	4169548.9	Worker	Scenario 2	7.94E-02	3.34E-04	--
8249	643136.2	4169548.9	Worker	Scenario 2	7.79E-02	3.24E-04	--
8250	643236.2	4169548.9	Worker	Scenario 2	7.65E-02	3.15E-04	--
8251	643336.2	4169548.9	Worker	Scenario 2	7.48E-02	3.05E-04	--
8252	643436.2	4169548.9	Worker	Scenario 2	7.30E-02	2.96E-04	--
8253	643536.2	4169548.9	Worker	Scenario 2	7.12E-02	2.87E-04	--
8254	643636.2	4169548.9	Worker	Scenario 2	6.91E-02	2.78E-04	--
8255	643736.2	4169548.9	Worker	Scenario 2	6.68E-02	2.69E-04	--
8256	643836.2	4169548.9	Worker	Scenario 2	6.46E-02	2.59E-04	--
8257	643936.2	4169548.9	Worker	Scenario 2	6.28E-02	2.51E-04	--
8258	644036.2	4169548.9	Worker	Scenario 2	6.18E-02	2.44E-04	--
8259	644136.2	4169548.9	Worker	Scenario 2	6.12E-02	2.39E-04	--
8260	644236.2	4169548.9	Worker	Scenario 2	6.08E-02	2.34E-04	--
8261	644336.2	4169548.9	Worker	Scenario 2	6.02E-02	2.30E-04	--
8262	644436.2	4169548.9	Worker	Scenario 2	5.94E-02	2.25E-04	--
8263	644636.2	4169548.9	Worker	Scenario 2	5.69E-02	2.13E-04	--
8264	644736.2	4169548.9	Worker	Scenario 2	5.54E-02	2.07E-04	--
8265	644836.2	4169548.9	Worker	Scenario 2	5.41E-02	2.02E-04	--
8266	644936.2	4169548.9	Worker	Scenario 2	5.30E-02	1.97E-04	--
8267	645036.2	4169548.9	Worker	Scenario 2	5.20E-02	1.92E-04	--
8268	645136.2	4169548.9	Worker	Scenario 2	5.10E-02	1.88E-04	--
8269	645236.2	4169548.9	Worker	Scenario 2	5.00E-02	1.84E-04	--
8270	645336.2	4169548.9	Worker	Scenario 2	4.91E-02	1.80E-04	--
8271	645436.2	4169548.9	Worker	Scenario 2	4.80E-02	1.76E-04	--
8272	645536.2	4169548.9	Worker	Scenario 2	4.69E-02	1.72E-04	--
8273	635636.2	4169648.9	Worker	Scenario 2	6.12E-03	3.74E-05	--
8274	635736.2	4169648.9	Worker	Scenario 2	6.25E-03	3.81E-05	--
8275	635836.2	4169648.9	Worker	Scenario 2	6.42E-03	3.90E-05	--
8276	635936.2	4169648.9	Worker	Scenario 2	6.49E-03	3.96E-05	--
8277	636036.2	4169648.9	Worker	Scenario 2	6.58E-03	4.02E-05	--
8278	636136.2	4169648.9	Worker	Scenario 2	6.59E-03	4.04E-05	--
8279	636236.2	4169648.9	Worker	Scenario 2	6.49E-03	4.03E-05	--
8280	636336.2	4169648.9	Worker	Scenario 2	6.57E-03	4.09E-05	--
8281	636436.2	4169648.9	Worker	Scenario 2	6.66E-03	4.16E-05	--
8282	636536.2	4169648.9	Worker	Scenario 2	6.90E-03	4.29E-05	--
8283	636636.2	4169648.9	Worker	Scenario 2	7.17E-03	4.43E-05	--
8284	636736.2	4169648.9	Worker	Scenario 2	7.49E-03	4.60E-05	--
8285	636836.2	4169648.9	Worker	Scenario 2	7.80E-03	4.77E-05	--
8286	636936.2	4169648.9	Worker	Scenario 2	8.13E-03	4.95E-05	--
8287	637036.2	4169648.9	Worker	Scenario 2	8.46E-03	5.13E-05	--
8288	637136.2	4169648.9	Worker	Scenario 2	8.80E-03	5.32E-05	--
8289	637436.2	4169648.9	Worker	Scenario 2	1.03E-02	6.15E-05	--
8290	637536.2	4169648.9	Worker	Scenario 2	1.06E-02	6.34E-05	--
8291	637636.2	4169648.9	Worker	Scenario 2	1.10E-02	6.54E-05	--
8292	637736.2	4169648.9	Worker	Scenario 2	1.13E-02	6.74E-05	--
8293	639536.2	4169648.9	Worker	Scenario 2	2.68E-02	1.73E-04	--
8294	639636.2	4169648.9	Worker	Scenario 2	2.81E-02	1.85E-04	--
8295	639736.2	4169648.9	Worker	Scenario 2	2.96E-02	1.97E-04	--
8296	639836.2	4169648.9	Worker	Scenario 2	3.12E-02	2.11E-04	--
8297	639936.2	4169648.9	Worker	Scenario 2	3.29E-02	2.26E-04	--
8298	640036.2	4169648.9	Worker	Scenario 2	3.47E-02	2.42E-04	--
8299	640136.2	4169648.9	Worker	Scenario 2	3.68E-02	2.61E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8300	640236.2	4169648.9	Worker	Scenario 2	3.91E-02	2.82E-04	--
8301	640336.2	4169648.9	Worker	Scenario 2	4.17E-02	3.06E-04	--
8302	640836.2	4169648.9	Worker	Scenario 2	6.21E-02	4.61E-04	--
8303	640936.2	4169648.9	Worker	Scenario 2	6.94E-02	5.00E-04	--
8304	641036.2	4169648.9	Worker	Scenario 2	8.00E-02	5.39E-04	--
8305	641136.2	4169648.9	Worker	Scenario 2	9.87E-02	5.90E-04	--
8306	641236.2	4169648.9	Worker	Scenario 2	1.49E-01	7.02E-04	--
8307	641336.2	4169648.9	Worker	Scenario 2	6.45E-01	1.87E-03	--
8308	641436.2	4169648.9	Worker	Scenario 2	2.24E-01	8.49E-04	--
8309	641536.2	4169648.9	Worker	Scenario 2	1.54E-01	6.59E-04	--
8310	641636.2	4169648.9	Worker	Scenario 2	1.25E-01	5.77E-04	--
8311	641736.2	4169648.9	Worker	Scenario 2	1.11E-01	5.28E-04	--
8312	641836.2	4169648.9	Worker	Scenario 2	1.02E-01	4.91E-04	--
8313	641936.2	4169648.9	Worker	Scenario 2	9.62E-02	4.63E-04	--
8314	642036.2	4169648.9	Worker	Scenario 2	9.21E-02	4.39E-04	--
8315	642136.2	4169648.9	Worker	Scenario 2	8.89E-02	4.19E-04	--
8316	642236.2	4169648.9	Worker	Scenario 2	8.65E-02	4.02E-04	--
8317	642336.2	4169648.9	Worker	Scenario 2	8.49E-02	3.88E-04	--
8318	642436.2	4169648.9	Worker	Scenario 2	8.39E-02	3.76E-04	--
8319	642536.2	4169648.9	Worker	Scenario 2	8.30E-02	3.66E-04	--
8320	642636.2	4169648.9	Worker	Scenario 2	8.19E-02	3.56E-04	--
8321	642736.2	4169648.9	Worker	Scenario 2	8.02E-02	3.46E-04	--
8322	642836.2	4169648.9	Worker	Scenario 2	7.82E-02	3.35E-04	--
8323	642936.2	4169648.9	Worker	Scenario 2	7.62E-02	3.24E-04	--
8324	643036.2	4169648.9	Worker	Scenario 2	7.46E-02	3.14E-04	--
8325	643136.2	4169648.9	Worker	Scenario 2	7.33E-02	3.05E-04	--
8326	643236.2	4169648.9	Worker	Scenario 2	7.20E-02	2.97E-04	--
8327	643336.2	4169648.9	Worker	Scenario 2	7.06E-02	2.88E-04	--
8328	643436.2	4169648.9	Worker	Scenario 2	6.91E-02	2.80E-04	--
8329	643536.2	4169648.9	Worker	Scenario 2	6.75E-02	2.73E-04	--
8330	643636.2	4169648.9	Worker	Scenario 2	6.57E-02	2.64E-04	--
8331	643736.2	4169648.9	Worker	Scenario 2	6.36E-02	2.56E-04	--
8332	643836.2	4169648.9	Worker	Scenario 2	6.15E-02	2.47E-04	--
8333	643936.2	4169648.9	Worker	Scenario 2	5.97E-02	2.39E-04	--
8334	644036.2	4169648.9	Worker	Scenario 2	5.85E-02	2.32E-04	--
8335	644136.2	4169648.9	Worker	Scenario 2	5.78E-02	2.27E-04	--
8336	644236.2	4169648.9	Worker	Scenario 2	5.74E-02	2.23E-04	--
8337	644336.2	4169648.9	Worker	Scenario 2	5.71E-02	2.19E-04	--
8338	644436.2	4169648.9	Worker	Scenario 2	5.65E-02	2.15E-04	--
8339	644636.2	4169648.9	Worker	Scenario 2	5.45E-02	2.05E-04	--
8340	644736.2	4169648.9	Worker	Scenario 2	5.32E-02	1.99E-04	--
8341	644836.2	4169648.9	Worker	Scenario 2	5.19E-02	1.94E-04	--
8342	644936.2	4169648.9	Worker	Scenario 2	5.08E-02	1.89E-04	--
8343	645036.2	4169648.9	Worker	Scenario 2	4.97E-02	1.85E-04	--
8344	645136.2	4169648.9	Worker	Scenario 2	4.88E-02	1.80E-04	--
8345	645236.2	4169648.9	Worker	Scenario 2	4.80E-02	1.77E-04	--
8346	635636.2	4169748.9	Worker	Scenario 2	6.31E-03	3.79E-05	--
8347	635736.2	4169748.9	Worker	Scenario 2	6.47E-03	3.88E-05	--
8348	635836.2	4169748.9	Worker	Scenario 2	6.60E-03	3.96E-05	--
8349	635936.2	4169748.9	Worker	Scenario 2	6.65E-03	4.00E-05	--
8350	636036.2	4169748.9	Worker	Scenario 2	6.80E-03	4.09E-05	--
8351	636136.2	4169748.9	Worker	Scenario 2	6.91E-03	4.16E-05	--
8352	636236.2	4169748.9	Worker	Scenario 2	6.97E-03	4.21E-05	--
8353	636336.2	4169748.9	Worker	Scenario 2	6.79E-03	4.16E-05	--
8354	636436.2	4169748.9	Worker	Scenario 2	7.03E-03	4.29E-05	--
8355	636536.2	4169748.9	Worker	Scenario 2	7.22E-03	4.40E-05	--
8356	636636.2	4169748.9	Worker	Scenario 2	7.41E-03	4.50E-05	--
8357	636736.2	4169748.9	Worker	Scenario 2	7.68E-03	4.65E-05	--
8358	636836.2	4169748.9	Worker	Scenario 2	7.99E-03	4.82E-05	--
8359	636936.2	4169748.9	Worker	Scenario 2	8.32E-03	5.00E-05	--
8360	637036.2	4169748.9	Worker	Scenario 2	8.64E-03	5.18E-05	--
8361	637236.2	4169748.9	Worker	Scenario 2	9.37E-03	5.59E-05	--
8362	637336.2	4169748.9	Worker	Scenario 2	1.06E-02	6.16E-05	--
8363	637436.2	4169748.9	Worker	Scenario 2	1.07E-02	6.26E-05	--
8364	637536.2	4169748.9	Worker	Scenario 2	1.09E-02	6.44E-05	--
8365	637636.2	4169748.9	Worker	Scenario 2	1.12E-02	6.63E-05	--
8366	637836.2	4169748.9	Worker	Scenario 2	1.20E-02	7.10E-05	--
8367	639336.2	4169748.9	Worker	Scenario 2	2.44E-02	1.53E-04	--
8368	639436.2	4169748.9	Worker	Scenario 2	2.55E-02	1.63E-04	--
8369	639536.2	4169748.9	Worker	Scenario 2	2.67E-02	1.73E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8370	639636.2	4169748.9	Worker	Scenario 2	2.81E-02	1.84E-04	--
8371	639736.2	4169748.9	Worker	Scenario 2	2.95E-02	1.96E-04	--
8372	639836.2	4169748.9	Worker	Scenario 2	3.10E-02	2.09E-04	--
8373	639936.2	4169748.9	Worker	Scenario 2	3.26E-02	2.23E-04	--
8374	640036.2	4169748.9	Worker	Scenario 2	3.44E-02	2.38E-04	--
8375	640136.2	4169748.9	Worker	Scenario 2	3.64E-02	2.55E-04	--
8376	640236.2	4169748.9	Worker	Scenario 2	3.87E-02	2.74E-04	--
8377	640336.2	4169748.9	Worker	Scenario 2	4.12E-02	2.95E-04	--
8378	640436.2	4169748.9	Worker	Scenario 2	4.40E-02	3.17E-04	--
8379	640536.2	4169748.9	Worker	Scenario 2	4.72E-02	3.40E-04	--
8380	640636.2	4169748.9	Worker	Scenario 2	5.08E-02	3.65E-04	--
8381	640736.2	4169748.9	Worker	Scenario 2	5.51E-02	3.91E-04	--
8382	640836.2	4169748.9	Worker	Scenario 2	6.03E-02	4.18E-04	--
8383	640936.2	4169748.9	Worker	Scenario 2	6.72E-02	4.46E-04	--
8384	641036.2	4169748.9	Worker	Scenario 2	7.74E-02	4.77E-04	--
8385	641136.2	4169748.9	Worker	Scenario 2	9.58E-02	5.21E-04	--
8386	641236.2	4169748.9	Worker	Scenario 2	1.48E-01	6.38E-04	--
8387	641336.2	4169748.9	Worker	Scenario 2	6.13E-01	1.74E-03	--
8388	641436.2	4169748.9	Worker	Scenario 2	2.16E-01	7.83E-04	--
8389	641536.2	4169748.9	Worker	Scenario 2	1.47E-01	6.03E-04	--
8390	641636.2	4169748.9	Worker	Scenario 2	1.20E-01	5.25E-04	--
8391	641736.2	4169748.9	Worker	Scenario 2	1.05E-01	4.82E-04	--
8392	641836.2	4169748.9	Worker	Scenario 2	9.66E-02	4.52E-04	--
8393	641936.2	4169748.9	Worker	Scenario 2	9.09E-02	4.27E-04	--
8394	642036.2	4169748.9	Worker	Scenario 2	8.68E-02	4.06E-04	--
8395	642136.2	4169748.9	Worker	Scenario 2	8.38E-02	3.89E-04	--
8396	642236.2	4169748.9	Worker	Scenario 2	8.16E-02	3.74E-04	--
8397	642336.2	4169748.9	Worker	Scenario 2	8.03E-02	3.62E-04	--
8398	642436.2	4169748.9	Worker	Scenario 2	7.92E-02	3.51E-04	--
8399	642536.2	4169748.9	Worker	Scenario 2	7.83E-02	3.42E-04	--
8400	642636.2	4169748.9	Worker	Scenario 2	7.70E-02	3.33E-04	--
8401	642736.2	4169748.9	Worker	Scenario 2	7.54E-02	3.23E-04	--
8402	642836.2	4169748.9	Worker	Scenario 2	7.34E-02	3.13E-04	--
8403	642936.2	4169748.9	Worker	Scenario 2	7.17E-02	3.04E-04	--
8404	643036.2	4169748.9	Worker	Scenario 2	7.04E-02	2.96E-04	--
8405	643136.2	4169748.9	Worker	Scenario 2	6.92E-02	2.88E-04	--
8406	643236.2	4169748.9	Worker	Scenario 2	6.80E-02	2.80E-04	--
8407	643336.2	4169748.9	Worker	Scenario 2	6.67E-02	2.73E-04	--
8408	643436.2	4169748.9	Worker	Scenario 2	6.54E-02	2.66E-04	--
8409	643536.2	4169748.9	Worker	Scenario 2	6.40E-02	2.59E-04	--
8410	643636.2	4169748.9	Worker	Scenario 2	6.24E-02	2.51E-04	--
8411	643736.2	4169748.9	Worker	Scenario 2	6.06E-02	2.44E-04	--
8412	643836.2	4169748.9	Worker	Scenario 2	5.87E-02	2.36E-04	--
8413	643936.2	4169748.9	Worker	Scenario 2	5.69E-02	2.28E-04	--
8414	644036.2	4169748.9	Worker	Scenario 2	5.56E-02	2.22E-04	--
8415	644136.2	4169748.9	Worker	Scenario 2	5.48E-02	2.17E-04	--
8416	644236.2	4169748.9	Worker	Scenario 2	5.43E-02	2.12E-04	--
8417	644336.2	4169748.9	Worker	Scenario 2	5.41E-02	2.09E-04	--
8418	644436.2	4169748.9	Worker	Scenario 2	5.37E-02	2.05E-04	--
8419	644636.2	4169748.9	Worker	Scenario 2	5.21E-02	1.96E-04	--
8420	644736.2	4169748.9	Worker	Scenario 2	5.10E-02	1.91E-04	--
8421	644836.2	4169748.9	Worker	Scenario 2	4.99E-02	1.87E-04	--
8422	644936.2	4169748.9	Worker	Scenario 2	4.87E-02	1.82E-04	--
8423	635636.2	4169848.9	Worker	Scenario 2	6.38E-03	3.80E-05	--
8424	635736.2	4169848.9	Worker	Scenario 2	6.53E-03	3.89E-05	--
8425	635836.2	4169848.9	Worker	Scenario 2	6.72E-03	3.99E-05	--
8426	635936.2	4169848.9	Worker	Scenario 2	6.94E-03	4.11E-05	--
8427	636036.2	4169848.9	Worker	Scenario 2	6.99E-03	4.15E-05	--
8428	636136.2	4169848.9	Worker	Scenario 2	7.11E-03	4.23E-05	--
8429	636236.2	4169848.9	Worker	Scenario 2	7.27E-03	4.32E-05	--
8430	636336.2	4169848.9	Worker	Scenario 2	7.34E-03	4.38E-05	--
8431	636436.2	4169848.9	Worker	Scenario 2	7.18E-03	4.32E-05	--
8432	636536.2	4169848.9	Worker	Scenario 2	7.45E-03	4.47E-05	--
8433	636636.2	4169848.9	Worker	Scenario 2	7.61E-03	4.56E-05	--
8434	636736.2	4169848.9	Worker	Scenario 2	7.88E-03	4.71E-05	--
8435	636836.2	4169848.9	Worker	Scenario 2	8.17E-03	4.87E-05	--
8436	636936.2	4169848.9	Worker	Scenario 2	8.48E-03	5.04E-05	--
8437	637136.2	4169848.9	Worker	Scenario 2	9.17E-03	5.42E-05	--
8438	637236.2	4169848.9	Worker	Scenario 2	9.54E-03	5.63E-05	--
8439	637336.2	4169848.9	Worker	Scenario 2	1.11E-02	6.33E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8440	637436.2	4169848.9	Worker	Scenario 2	1.12E-02	6.43E-05	--
8441	637536.2	4169848.9	Worker	Scenario 2	1.12E-02	6.50E-05	--
8442	637836.2	4169848.9	Worker	Scenario 2	1.23E-02	7.19E-05	--
8443	639236.2	4169848.9	Worker	Scenario 2	2.33E-02	1.45E-04	--
8444	639336.2	4169848.9	Worker	Scenario 2	2.44E-02	1.53E-04	--
8445	639436.2	4169848.9	Worker	Scenario 2	2.55E-02	1.62E-04	--
8446	639536.2	4169848.9	Worker	Scenario 2	2.67E-02	1.72E-04	--
8447	639636.2	4169848.9	Worker	Scenario 2	2.79E-02	1.82E-04	--
8448	639736.2	4169848.9	Worker	Scenario 2	2.94E-02	1.94E-04	--
8449	639836.2	4169848.9	Worker	Scenario 2	3.08E-02	2.06E-04	--
8450	639936.2	4169848.9	Worker	Scenario 2	3.24E-02	2.19E-04	--
8451	640036.2	4169848.9	Worker	Scenario 2	3.41E-02	2.33E-04	--
8452	640136.2	4169848.9	Worker	Scenario 2	3.61E-02	2.49E-04	--
8453	640236.2	4169848.9	Worker	Scenario 2	3.82E-02	2.65E-04	--
8454	640336.2	4169848.9	Worker	Scenario 2	4.06E-02	2.83E-04	--
8455	640436.2	4169848.9	Worker	Scenario 2	4.32E-02	3.01E-04	--
8456	640536.2	4169848.9	Worker	Scenario 2	4.61E-02	3.20E-04	--
8457	640636.2	4169848.9	Worker	Scenario 2	4.95E-02	3.39E-04	--
8458	640736.2	4169848.9	Worker	Scenario 2	5.35E-02	3.60E-04	--
8459	640836.2	4169848.9	Worker	Scenario 2	5.84E-02	3.80E-04	--
8460	640936.2	4169848.9	Worker	Scenario 2	6.49E-02	4.03E-04	--
8461	641036.2	4169848.9	Worker	Scenario 2	7.47E-02	4.30E-04	--
8462	641136.2	4169848.9	Worker	Scenario 2	9.27E-02	4.71E-04	--
8463	641236.2	4169848.9	Worker	Scenario 2	1.45E-01	5.90E-04	--
8464	641336.2	4169848.9	Worker	Scenario 2	5.80E-01	1.62E-03	--
8465	641436.2	4169848.9	Worker	Scenario 2	2.07E-01	7.26E-04	--
8466	641536.2	4169848.9	Worker	Scenario 2	1.39E-01	5.54E-04	--
8467	641636.2	4169848.9	Worker	Scenario 2	1.13E-01	4.80E-04	--
8468	641736.2	4169848.9	Worker	Scenario 2	9.90E-02	4.40E-04	--
8469	641836.2	4169848.9	Worker	Scenario 2	9.07E-02	4.15E-04	--
8470	641936.2	4169848.9	Worker	Scenario 2	8.53E-02	3.94E-04	--
8471	642036.2	4169848.9	Worker	Scenario 2	8.14E-02	3.76E-04	--
8472	642136.2	4169848.9	Worker	Scenario 2	7.87E-02	3.61E-04	--
8473	642236.2	4169848.9	Worker	Scenario 2	7.67E-02	3.48E-04	--
8474	642336.2	4169848.9	Worker	Scenario 2	7.55E-02	3.37E-04	--
8475	642436.2	4169848.9	Worker	Scenario 2	7.46E-02	3.28E-04	--
8476	642536.2	4169848.9	Worker	Scenario 2	7.36E-02	3.19E-04	--
8477	642636.2	4169848.9	Worker	Scenario 2	7.23E-02	3.11E-04	--
8478	642736.2	4169848.9	Worker	Scenario 2	7.07E-02	3.02E-04	--
8479	642836.2	4169848.9	Worker	Scenario 2	6.91E-02	2.93E-04	--
8480	642936.2	4169848.9	Worker	Scenario 2	6.76E-02	2.85E-04	--
8481	643036.2	4169848.9	Worker	Scenario 2	6.64E-02	2.78E-04	--
8482	643136.2	4169848.9	Worker	Scenario 2	6.53E-02	2.72E-04	--
8483	643236.2	4169848.9	Worker	Scenario 2	6.42E-02	2.65E-04	--
8484	643336.2	4169848.9	Worker	Scenario 2	6.30E-02	2.58E-04	--
8485	643436.2	4169848.9	Worker	Scenario 2	6.19E-02	2.52E-04	--
8486	643536.2	4169848.9	Worker	Scenario 2	6.07E-02	2.46E-04	--
8487	643636.2	4169848.9	Worker	Scenario 2	5.93E-02	2.39E-04	--
8488	643736.2	4169848.9	Worker	Scenario 2	5.78E-02	2.33E-04	--
8489	643836.2	4169848.9	Worker	Scenario 2	5.60E-02	2.25E-04	--
8490	643936.2	4169848.9	Worker	Scenario 2	5.43E-02	2.18E-04	--
8491	644036.2	4169848.9	Worker	Scenario 2	5.29E-02	2.12E-04	--
8492	644136.2	4169848.9	Worker	Scenario 2	5.20E-02	2.07E-04	--
8493	644236.2	4169848.9	Worker	Scenario 2	5.15E-02	2.03E-04	--
8494	644336.2	4169848.9	Worker	Scenario 2	5.12E-02	1.99E-04	--
8495	644436.2	4169848.9	Worker	Scenario 2	5.10E-02	1.96E-04	--
8496	635636.2	4169948.9	Worker	Scenario 2	6.51E-03	3.84E-05	--
8497	635736.2	4169948.9	Worker	Scenario 2	6.70E-03	3.94E-05	--
8498	635836.2	4169948.9	Worker	Scenario 2	6.76E-03	3.99E-05	--
8499	635936.2	4169948.9	Worker	Scenario 2	7.00E-03	4.11E-05	--
8500	636036.2	4169948.9	Worker	Scenario 2	7.16E-03	4.20E-05	--
8501	636136.2	4169948.9	Worker	Scenario 2	7.27E-03	4.27E-05	--
8502	636236.2	4169948.9	Worker	Scenario 2	7.41E-03	4.36E-05	--
8503	636336.2	4169948.9	Worker	Scenario 2	7.56E-03	4.45E-05	--
8504	636436.2	4169948.9	Worker	Scenario 2	7.67E-03	4.52E-05	--
8505	636536.2	4169948.9	Worker	Scenario 2	7.56E-03	4.49E-05	--
8506	636636.2	4169948.9	Worker	Scenario 2	7.80E-03	4.62E-05	--
8507	636736.2	4169948.9	Worker	Scenario 2	8.02E-03	4.74E-05	--
8508	637036.2	4169948.9	Worker	Scenario 2	8.96E-03	5.26E-05	--
8509	637136.2	4169948.9	Worker	Scenario 2	9.29E-03	5.45E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8510	637236.2	4169948.9	Worker	Scenario 2	9.67E-03	5.66E-05	--
8511	637336.2	4169948.9	Worker	Scenario 2	1.11E-02	6.29E-05	--
8512	637436.2	4169948.9	Worker	Scenario 2	1.12E-02	6.41E-05	--
8513	637536.2	4169948.9	Worker	Scenario 2	1.10E-02	6.43E-05	--
8514	637736.2	4169948.9	Worker	Scenario 2	1.20E-02	7.00E-05	--
8515	637836.2	4169948.9	Worker	Scenario 2	1.25E-02	7.28E-05	--
8516	639136.2	4169948.9	Worker	Scenario 2	2.24E-02	1.38E-04	--
8517	639236.2	4169948.9	Worker	Scenario 2	2.33E-02	1.45E-04	--
8518	639336.2	4169948.9	Worker	Scenario 2	2.43E-02	1.53E-04	--
8519	639436.2	4169948.9	Worker	Scenario 2	2.54E-02	1.61E-04	--
8520	639536.2	4169948.9	Worker	Scenario 2	2.65E-02	1.71E-04	--
8521	639736.2	4169948.9	Worker	Scenario 2	2.91E-02	1.91E-04	--
8522	639836.2	4169948.9	Worker	Scenario 2	3.05E-02	2.02E-04	--
8523	639936.2	4169948.9	Worker	Scenario 2	3.21E-02	2.15E-04	--
8524	640036.2	4169948.9	Worker	Scenario 2	3.38E-02	2.28E-04	--
8525	640136.2	4169948.9	Worker	Scenario 2	3.57E-02	2.41E-04	--
8526	640236.2	4169948.9	Worker	Scenario 2	3.77E-02	2.55E-04	--
8527	640336.2	4169948.9	Worker	Scenario 2	3.99E-02	2.70E-04	--
8528	640436.2	4169948.9	Worker	Scenario 2	4.23E-02	2.85E-04	--
8529	640536.2	4169948.9	Worker	Scenario 2	4.51E-02	3.00E-04	--
8530	640636.2	4169948.9	Worker	Scenario 2	4.82E-02	3.16E-04	--
8531	640736.2	4169948.9	Worker	Scenario 2	5.19E-02	3.31E-04	--
8532	640836.2	4169948.9	Worker	Scenario 2	5.64E-02	3.49E-04	--
8533	640936.2	4169948.9	Worker	Scenario 2	6.24E-02	3.68E-04	--
8534	641036.2	4169948.9	Worker	Scenario 2	7.15E-02	3.91E-04	--
8535	641136.2	4169948.9	Worker	Scenario 2	8.85E-02	4.30E-04	--
8536	641236.2	4169948.9	Worker	Scenario 2	1.41E-01	5.49E-04	--
8537	641336.2	4169948.9	Worker	Scenario 2	5.47E-01	1.51E-03	--
8538	641436.2	4169948.9	Worker	Scenario 2	1.93E-01	6.65E-04	--
8539	641536.2	4169948.9	Worker	Scenario 2	1.29E-01	5.05E-04	--
8540	641636.2	4169948.9	Worker	Scenario 2	1.04E-01	4.37E-04	--
8541	641736.2	4169948.9	Worker	Scenario 2	9.16E-02	4.01E-04	--
8542	641836.2	4169948.9	Worker	Scenario 2	8.39E-02	3.79E-04	--
8543	641936.2	4169948.9	Worker	Scenario 2	7.91E-02	3.62E-04	--
8544	642036.2	4169948.9	Worker	Scenario 2	7.60E-02	3.49E-04	--
8545	642136.2	4169948.9	Worker	Scenario 2	7.35E-02	3.35E-04	--
8546	642236.2	4169948.9	Worker	Scenario 2	7.19E-02	3.24E-04	--
8547	643236.2	4169948.9	Worker	Scenario 2	6.07E-02	2.50E-04	--
8548	643336.2	4169948.9	Worker	Scenario 2	5.96E-02	2.45E-04	--
8549	643436.2	4169948.9	Worker	Scenario 2	5.87E-02	2.39E-04	--
8550	643536.2	4169948.9	Worker	Scenario 2	5.76E-02	2.34E-04	--
8551	643636.2	4169948.9	Worker	Scenario 2	5.64E-02	2.28E-04	--
8552	643736.2	4169948.9	Worker	Scenario 2	5.50E-02	2.22E-04	--
8553	643836.2	4169948.9	Worker	Scenario 2	5.34E-02	2.15E-04	--
8554	643936.2	4169948.9	Worker	Scenario 2	5.19E-02	2.09E-04	--
8555	644036.2	4169948.9	Worker	Scenario 2	5.05E-02	2.03E-04	--
8556	644236.2	4169948.9	Worker	Scenario 2	4.89E-02	1.94E-04	--
8557	635636.2	4170048.9	Worker	Scenario 2	6.58E-03	3.85E-05	--
8558	635736.2	4170048.9	Worker	Scenario 2	6.34E-03	3.76E-05	--
8559	635836.2	4170048.9	Worker	Scenario 2	6.57E-03	3.88E-05	--
8560	635936.2	4170048.9	Worker	Scenario 2	6.97E-03	4.08E-05	--
8561	636036.2	4170048.9	Worker	Scenario 2	7.25E-03	4.22E-05	--
8562	636136.2	4170048.9	Worker	Scenario 2	7.44E-03	4.33E-05	--
8563	636236.2	4170048.9	Worker	Scenario 2	7.57E-03	4.41E-05	--
8564	636336.2	4170048.9	Worker	Scenario 2	7.74E-03	4.51E-05	--
8565	636436.2	4170048.9	Worker	Scenario 2	7.98E-03	4.64E-05	--
8566	636536.2	4170048.9	Worker	Scenario 2	8.09E-03	4.71E-05	--
8567	636636.2	4170048.9	Worker	Scenario 2	8.00E-03	4.69E-05	--
8568	636936.2	4170048.9	Worker	Scenario 2	9.43E-03	5.42E-05	--
8569	637036.2	4170048.9	Worker	Scenario 2	9.73E-03	5.59E-05	--
8570	637136.2	4170048.9	Worker	Scenario 2	1.01E-02	5.78E-05	--
8571	637236.2	4170048.9	Worker	Scenario 2	1.04E-02	5.97E-05	--
8572	637336.2	4170048.9	Worker	Scenario 2	1.07E-02	6.16E-05	--
8573	637436.2	4170048.9	Worker	Scenario 2	1.09E-02	6.31E-05	--
8574	637636.2	4170048.9	Worker	Scenario 2	1.22E-02	6.94E-05	--
8575	637736.2	4170048.9	Worker	Scenario 2	1.29E-02	7.31E-05	--
8576	637836.2	4170048.9	Worker	Scenario 2	1.32E-02	7.53E-05	--
8577	639036.2	4170048.9	Worker	Scenario 2	2.15E-02	1.31E-04	--
8578	639136.2	4170048.9	Worker	Scenario 2	2.24E-02	1.38E-04	--
8579	639236.2	4170048.9	Worker	Scenario 2	2.33E-02	1.45E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8580	639336.2	4170048.9	Worker	Scenario 2	2.43E-02	1.52E-04	--
8581	639436.2	4170048.9	Worker	Scenario 2	2.53E-02	1.60E-04	--
8582	639536.2	4170048.9	Worker	Scenario 2	2.64E-02	1.69E-04	--
8583	639636.2	4170048.9	Worker	Scenario 2	2.76E-02	1.78E-04	--
8584	639736.2	4170048.9	Worker	Scenario 2	2.89E-02	1.88E-04	--
8585	639836.2	4170048.9	Worker	Scenario 2	3.03E-02	1.99E-04	--
8586	639936.2	4170048.9	Worker	Scenario 2	3.18E-02	2.10E-04	--
8587	640036.2	4170048.9	Worker	Scenario 2	3.34E-02	2.21E-04	--
8588	640136.2	4170048.9	Worker	Scenario 2	3.52E-02	2.33E-04	--
8589	640236.2	4170048.9	Worker	Scenario 2	3.71E-02	2.45E-04	--
8590	640336.2	4170048.9	Worker	Scenario 2	3.91E-02	2.57E-04	--
8591	640436.2	4170048.9	Worker	Scenario 2	4.14E-02	2.69E-04	--
8592	640536.2	4170048.9	Worker	Scenario 2	4.39E-02	2.81E-04	--
8593	640636.2	4170048.9	Worker	Scenario 2	4.68E-02	2.94E-04	--
8594	640736.2	4170048.9	Worker	Scenario 2	5.02E-02	3.07E-04	--
8595	640836.2	4170048.9	Worker	Scenario 2	5.43E-02	3.22E-04	--
8596	640936.2	4170048.9	Worker	Scenario 2	5.97E-02	3.38E-04	--
8597	641036.2	4170048.9	Worker	Scenario 2	6.77E-02	3.58E-04	--
8598	641136.2	4170048.9	Worker	Scenario 2	8.25E-02	3.91E-04	--
8599	641236.2	4170048.9	Worker	Scenario 2	1.29E-01	4.97E-04	--
8600	641336.2	4170048.9	Worker	Scenario 2	4.88E-01	1.35E-03	--
8601	641436.2	4170048.9	Worker	Scenario 2	1.61E-01	5.68E-04	--
8602	641536.2	4170048.9	Worker	Scenario 2	1.10E-01	4.40E-04	--
8603	641636.2	4170048.9	Worker	Scenario 2	9.10E-02	3.89E-04	--
8604	641736.2	4170048.9	Worker	Scenario 2	8.16E-02	3.60E-04	--
8605	641836.2	4170048.9	Worker	Scenario 2	7.60E-02	3.43E-04	--
8606	641936.2	4170048.9	Worker	Scenario 2	7.23E-02	3.31E-04	--
8607	642036.2	4170048.9	Worker	Scenario 2	6.98E-02	3.20E-04	--
8608	642136.2	4170048.9	Worker	Scenario 2	6.81E-02	3.10E-04	--
8609	635736.2	4170148.9	Worker	Scenario 2	6.45E-03	3.79E-05	--
8610	635836.2	4170148.9	Worker	Scenario 2	6.26E-03	3.73E-05	--
8611	635936.2	4170148.9	Worker	Scenario 2	6.68E-03	3.93E-05	--
8612	636036.2	4170148.9	Worker	Scenario 2	7.19E-03	4.18E-05	--
8613	636136.2	4170148.9	Worker	Scenario 2	7.55E-03	4.36E-05	--
8614	636236.2	4170148.9	Worker	Scenario 2	7.67E-03	4.44E-05	--
8615	636336.2	4170148.9	Worker	Scenario 2	7.92E-03	4.57E-05	--
8616	636436.2	4170148.9	Worker	Scenario 2	8.15E-03	4.70E-05	--
8617	636536.2	4170148.9	Worker	Scenario 2	8.37E-03	4.82E-05	--
8618	636736.2	4170148.9	Worker	Scenario 2	8.51E-03	4.93E-05	--
8619	636836.2	4170148.9	Worker	Scenario 2	9.48E-03	5.38E-05	--
8620	636936.2	4170148.9	Worker	Scenario 2	9.85E-03	5.56E-05	--
8621	637036.2	4170148.9	Worker	Scenario 2	1.01E-02	5.73E-05	--
8622	637136.2	4170148.9	Worker	Scenario 2	1.05E-02	5.93E-05	--
8623	637236.2	4170148.9	Worker	Scenario 2	1.09E-02	6.15E-05	--
8624	637336.2	4170148.9	Worker	Scenario 2	1.09E-02	6.23E-05	--
8625	637636.2	4170148.9	Worker	Scenario 2	1.29E-02	7.20E-05	--
8626	637736.2	4170148.9	Worker	Scenario 2	1.33E-02	7.45E-05	--
8627	637836.2	4170148.9	Worker	Scenario 2	1.35E-02	7.67E-05	--
8628	639036.2	4170148.9	Worker	Scenario 2	2.15E-02	1.31E-04	--
8629	639136.2	4170148.9	Worker	Scenario 2	2.23E-02	1.37E-04	--
8630	639236.2	4170148.9	Worker	Scenario 2	2.32E-02	1.44E-04	--
8631	639336.2	4170148.9	Worker	Scenario 2	2.42E-02	1.51E-04	--
8632	639436.2	4170148.9	Worker	Scenario 2	2.52E-02	1.59E-04	--
8633	639536.2	4170148.9	Worker	Scenario 2	2.62E-02	1.67E-04	--
8634	639636.2	4170148.9	Worker	Scenario 2	2.74E-02	1.75E-04	--
8635	639736.2	4170148.9	Worker	Scenario 2	2.86E-02	1.85E-04	--
8636	639836.2	4170148.9	Worker	Scenario 2	3.00E-02	1.94E-04	--
8637	639936.2	4170148.9	Worker	Scenario 2	3.14E-02	2.04E-04	--
8638	640036.2	4170148.9	Worker	Scenario 2	3.30E-02	2.14E-04	--
8639	640136.2	4170148.9	Worker	Scenario 2	3.46E-02	2.24E-04	--
8640	640236.2	4170148.9	Worker	Scenario 2	3.64E-02	2.34E-04	--
8641	640336.2	4170148.9	Worker	Scenario 2	3.84E-02	2.44E-04	--
8642	640436.2	4170148.9	Worker	Scenario 2	4.04E-02	2.54E-04	--
8643	640536.2	4170148.9	Worker	Scenario 2	4.27E-02	2.64E-04	--
8644	640636.2	4170148.9	Worker	Scenario 2	4.53E-02	2.74E-04	--
8645	640736.2	4170148.9	Worker	Scenario 2	4.84E-02	2.86E-04	--
8646	640836.2	4170148.9	Worker	Scenario 2	5.20E-02	2.98E-04	--
8647	640936.2	4170148.9	Worker	Scenario 2	5.66E-02	3.11E-04	--
8648	641036.2	4170148.9	Worker	Scenario 2	6.32E-02	3.27E-04	--
8649	641136.2	4170148.9	Worker	Scenario 2	7.42E-02	3.51E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8650	641236.2	4170148.9	Worker	Scenario 2	9.84E-02	4.05E-04	--
8651	641336.2	4170148.9	Worker	Scenario 2	1.15E-01	4.43E-04	--
8652	641436.2	4170148.9	Worker	Scenario 2	9.40E-02	3.92E-04	--
8653	641536.2	4170148.9	Worker	Scenario 2	8.23E-02	3.60E-04	--
8654	641636.2	4170148.9	Worker	Scenario 2	7.53E-02	3.37E-04	--
8655	641736.2	4170148.9	Worker	Scenario 2	7.08E-02	3.21E-04	--
8656	641836.2	4170148.9	Worker	Scenario 2	6.77E-02	3.09E-04	--
8657	641936.2	4170148.9	Worker	Scenario 2	6.54E-02	3.01E-04	--
8658	642036.2	4170148.9	Worker	Scenario 2	6.37E-02	2.93E-04	--
8659	642436.2	4170148.9	Worker	Scenario 2	6.14E-02	2.69E-04	--
8660	642536.2	4170148.9	Worker	Scenario 2	6.07E-02	2.63E-04	--
8661	642636.2	4170148.9	Worker	Scenario 2	5.97E-02	2.56E-04	--
8662	642736.2	4170148.9	Worker	Scenario 2	5.85E-02	2.49E-04	--
8663	642836.2	4170148.9	Worker	Scenario 2	5.73E-02	2.43E-04	--
8664	642936.2	4170148.9	Worker	Scenario 2	5.65E-02	2.38E-04	--
8665	643036.2	4170148.9	Worker	Scenario 2	5.57E-02	2.33E-04	--
8666	643136.2	4170148.9	Worker	Scenario 2	5.50E-02	2.28E-04	--
8667	643236.2	4170148.9	Worker	Scenario 2	5.43E-02	2.24E-04	--
8668	643336.2	4170148.9	Worker	Scenario 2	5.35E-02	2.19E-04	--
8669	635836.2	4170248.9	Worker	Scenario 2	6.41E-03	3.77E-05	--
8670	635936.2	4170248.9	Worker	Scenario 2	6.39E-03	3.78E-05	--
8671	636036.2	4170248.9	Worker	Scenario 2	6.81E-03	3.99E-05	--
8672	636136.2	4170248.9	Worker	Scenario 2	7.33E-03	4.24E-05	--
8673	636236.2	4170248.9	Worker	Scenario 2	8.10E-03	4.60E-05	--
8674	636336.2	4170248.9	Worker	Scenario 2	8.07E-03	4.62E-05	--
8675	636636.2	4170248.9	Worker	Scenario 2	8.49E-03	4.88E-05	--
8676	636736.2	4170248.9	Worker	Scenario 2	9.11E-03	5.18E-05	--
8677	636836.2	4170248.9	Worker	Scenario 2	9.67E-03	5.44E-05	--
8678	636936.2	4170248.9	Worker	Scenario 2	1.02E-02	5.70E-05	--
8679	637036.2	4170248.9	Worker	Scenario 2	1.05E-02	5.85E-05	--
8680	637136.2	4170248.9	Worker	Scenario 2	1.08E-02	6.04E-05	--
8681	637236.2	4170248.9	Worker	Scenario 2	1.08E-02	6.12E-05	--
8682	637536.2	4170248.9	Worker	Scenario 2	1.26E-02	7.00E-05	--
8683	637636.2	4170248.9	Worker	Scenario 2	1.31E-02	7.29E-05	--
8684	637736.2	4170248.9	Worker	Scenario 2	1.33E-02	7.46E-05	--
8685	637836.2	4170248.9	Worker	Scenario 2	1.34E-02	7.60E-05	--
8686	637936.2	4170248.9	Worker	Scenario 2	1.40E-02	7.99E-05	--
8687	638036.2	4170248.9	Worker	Scenario 2	1.43E-02	8.19E-05	--
8688	638936.2	4170248.9	Worker	Scenario 2	2.07E-02	1.24E-04	--
8689	639036.2	4170248.9	Worker	Scenario 2	2.14E-02	1.30E-04	--
8690	639136.2	4170248.9	Worker	Scenario 2	2.23E-02	1.36E-04	--
8691	639236.2	4170248.9	Worker	Scenario 2	2.31E-02	1.43E-04	--
8692	639336.2	4170248.9	Worker	Scenario 2	2.40E-02	1.50E-04	--
8693	639436.2	4170248.9	Worker	Scenario 2	2.46E-02	1.55E-04	--
8694	639536.2	4170248.9	Worker	Scenario 2	2.61E-02	1.65E-04	--
8695	639636.2	4170248.9	Worker	Scenario 2	2.72E-02	1.73E-04	--
8696	639736.2	4170248.9	Worker	Scenario 2	2.84E-02	1.81E-04	--
8697	639836.2	4170248.9	Worker	Scenario 2	2.97E-02	1.89E-04	--
8698	639936.2	4170248.9	Worker	Scenario 2	3.11E-02	1.98E-04	--
8699	640036.2	4170248.9	Worker	Scenario 2	3.25E-02	2.06E-04	--
8700	640136.2	4170248.9	Worker	Scenario 2	3.41E-02	2.15E-04	--
8701	640236.2	4170248.9	Worker	Scenario 2	3.58E-02	2.23E-04	--
8702	640336.2	4170248.9	Worker	Scenario 2	3.75E-02	2.32E-04	--
8703	640436.2	4170248.9	Worker	Scenario 2	3.95E-02	2.40E-04	--
8704	640536.2	4170248.9	Worker	Scenario 2	4.16E-02	2.48E-04	--
8705	640636.2	4170248.9	Worker	Scenario 2	4.39E-02	2.57E-04	--
8706	640736.2	4170248.9	Worker	Scenario 2	4.66E-02	2.67E-04	--
8707	640836.2	4170248.9	Worker	Scenario 2	4.98E-02	2.78E-04	--
8708	640936.2	4170248.9	Worker	Scenario 2	5.36E-02	2.89E-04	--
8709	641036.2	4170248.9	Worker	Scenario 2	5.86E-02	3.00E-04	--
8710	641136.2	4170248.9	Worker	Scenario 2	6.50E-02	3.12E-04	--
8711	641236.2	4170248.9	Worker	Scenario 2	7.15E-02	3.26E-04	--
8712	641336.2	4170248.9	Worker	Scenario 2	7.26E-02	3.28E-04	--
8713	641436.2	4170248.9	Worker	Scenario 2	6.94E-02	3.19E-04	--
8714	641536.2	4170248.9	Worker	Scenario 2	6.63E-02	3.08E-04	--
8715	641636.2	4170248.9	Worker	Scenario 2	6.40E-02	2.98E-04	--
8716	641736.2	4170248.9	Worker	Scenario 2	6.21E-02	2.89E-04	--
8717	641836.2	4170248.9	Worker	Scenario 2	6.06E-02	2.81E-04	--
8718	641936.2	4170248.9	Worker	Scenario 2	5.94E-02	2.75E-04	--
8719	642036.2	4170248.9	Worker	Scenario 2	5.86E-02	2.70E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8720	642136.2	4170248.9	Worker	Scenario 2	5.81E-02	2.66E-04	--
8721	642236.2	4170248.9	Worker	Scenario 2	5.80E-02	2.62E-04	--
8722	642336.2	4170248.9	Worker	Scenario 2	5.79E-02	2.57E-04	--
8723	642436.2	4170248.9	Worker	Scenario 2	5.76E-02	2.52E-04	--
8724	642536.2	4170248.9	Worker	Scenario 2	5.70E-02	2.47E-04	--
8725	642636.2	4170248.9	Worker	Scenario 2	5.61E-02	2.41E-04	--
8726	642736.2	4170248.9	Worker	Scenario 2	5.50E-02	2.35E-04	--
8727	642836.2	4170248.9	Worker	Scenario 2	5.40E-02	2.29E-04	--
8728	642936.2	4170248.9	Worker	Scenario 2	5.33E-02	2.25E-04	--
8729	643036.2	4170248.9	Worker	Scenario 2	5.27E-02	2.20E-04	--
8730	643136.2	4170248.9	Worker	Scenario 2	5.21E-02	2.16E-04	--
8731	643236.2	4170248.9	Worker	Scenario 2	5.14E-02	2.12E-04	--
8732	643336.2	4170248.9	Worker	Scenario 2	5.07E-02	2.08E-04	--
8733	635636.2	4170348.9	Worker	Scenario 2	6.34E-03	3.70E-05	--
8734	635936.2	4170348.9	Worker	Scenario 2	6.68E-03	3.90E-05	--
8735	636036.2	4170348.9	Worker	Scenario 2	6.60E-03	3.88E-05	--
8736	636136.2	4170348.9	Worker	Scenario 2	7.16E-03	4.15E-05	--
8737	636236.2	4170348.9	Worker	Scenario 2	7.84E-03	4.48E-05	--
8738	636536.2	4170348.9	Worker	Scenario 2	8.56E-03	4.87E-05	--
8739	636636.2	4170348.9	Worker	Scenario 2	8.84E-03	5.02E-05	--
8740	636736.2	4170348.9	Worker	Scenario 2	9.21E-03	5.21E-05	--
8741	636836.2	4170348.9	Worker	Scenario 2	9.62E-03	5.41E-05	--
8742	636936.2	4170348.9	Worker	Scenario 2	1.02E-02	5.68E-05	--
8743	637036.2	4170348.9	Worker	Scenario 2	1.07E-02	5.93E-05	--
8744	637136.2	4170348.9	Worker	Scenario 2	1.08E-02	6.04E-05	--
8745	637236.2	4170348.9	Worker	Scenario 2	1.08E-02	6.11E-05	--
8746	637436.2	4170348.9	Worker	Scenario 2	1.13E-02	6.44E-05	--
8747	637536.2	4170348.9	Worker	Scenario 2	1.27E-02	7.05E-05	--
8748	637636.2	4170348.9	Worker	Scenario 2	1.29E-02	7.24E-05	--
8749	637736.2	4170348.9	Worker	Scenario 2	1.32E-02	7.47E-05	--
8750	637836.2	4170348.9	Worker	Scenario 2	1.37E-02	7.76E-05	--
8751	637936.2	4170348.9	Worker	Scenario 2	1.41E-02	8.02E-05	--
8752	638036.2	4170348.9	Worker	Scenario 2	1.45E-02	8.28E-05	--
8753	638136.2	4170348.9	Worker	Scenario 2	1.56E-02	8.82E-05	--
8754	638236.2	4170348.9	Worker	Scenario 2	1.57E-02	9.05E-05	--
8755	638336.2	4170348.9	Worker	Scenario 2	1.65E-02	9.52E-05	--
8756	638436.2	4170348.9	Worker	Scenario 2	1.71E-02	9.92E-05	--
8757	638736.2	4170348.9	Worker	Scenario 2	1.93E-02	1.14E-04	--
8758	638836.2	4170348.9	Worker	Scenario 2	1.99E-02	1.19E-04	--
8759	638936.2	4170348.9	Worker	Scenario 2	2.06E-02	1.24E-04	--
8760	639036.2	4170348.9	Worker	Scenario 2	2.14E-02	1.30E-04	--
8761	639136.2	4170348.9	Worker	Scenario 2	2.21E-02	1.35E-04	--
8762	639236.2	4170348.9	Worker	Scenario 2	2.26E-02	1.40E-04	--
8763	639336.2	4170348.9	Worker	Scenario 2	2.34E-02	1.46E-04	--
8764	639436.2	4170348.9	Worker	Scenario 2	2.43E-02	1.53E-04	--
8765	639536.2	4170348.9	Worker	Scenario 2	2.59E-02	1.62E-04	--
8766	639636.2	4170348.9	Worker	Scenario 2	2.70E-02	1.69E-04	--
8767	639736.2	4170348.9	Worker	Scenario 2	2.81E-02	1.76E-04	--
8768	639836.2	4170348.9	Worker	Scenario 2	2.94E-02	1.84E-04	--
8769	639936.2	4170348.9	Worker	Scenario 2	3.07E-02	1.91E-04	--
8770	640036.2	4170348.9	Worker	Scenario 2	3.20E-02	1.99E-04	--
8771	640136.2	4170348.9	Worker	Scenario 2	3.35E-02	2.06E-04	--
8772	640236.2	4170348.9	Worker	Scenario 2	3.50E-02	2.13E-04	--
8773	640336.2	4170348.9	Worker	Scenario 2	3.67E-02	2.20E-04	--
8774	640436.2	4170348.9	Worker	Scenario 2	3.85E-02	2.27E-04	--
8775	640536.2	4170348.9	Worker	Scenario 2	4.04E-02	2.34E-04	--
8776	640636.2	4170348.9	Worker	Scenario 2	4.25E-02	2.42E-04	--
8777	640736.2	4170348.9	Worker	Scenario 2	4.48E-02	2.51E-04	--
8778	640836.2	4170348.9	Worker	Scenario 2	4.75E-02	2.60E-04	--
8779	640936.2	4170348.9	Worker	Scenario 2	5.05E-02	2.68E-04	--
8780	641036.2	4170348.9	Worker	Scenario 2	5.38E-02	2.75E-04	--
8781	641136.2	4170348.9	Worker	Scenario 2	5.71E-02	2.80E-04	--
8782	641236.2	4170348.9	Worker	Scenario 2	5.94E-02	2.84E-04	--
8783	641336.2	4170348.9	Worker	Scenario 2	6.00E-02	2.86E-04	--
8784	641436.2	4170348.9	Worker	Scenario 2	5.93E-02	2.83E-04	--
8785	641536.2	4170348.9	Worker	Scenario 2	5.83E-02	2.77E-04	--
8786	641636.2	4170348.9	Worker	Scenario 2	5.72E-02	2.71E-04	--
8787	641736.2	4170348.9	Worker	Scenario 2	5.62E-02	2.65E-04	--
8788	641836.2	4170348.9	Worker	Scenario 2	5.53E-02	2.59E-04	--
8789	641936.2	4170348.9	Worker	Scenario 2	5.48E-02	2.54E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8790	642036.2	4170348.9	Worker	Scenario 2	5.43E-02	2.50E-04	--
8791	642136.2	4170348.9	Worker	Scenario 2	5.42E-02	2.48E-04	--
8792	642236.2	4170348.9	Worker	Scenario 2	5.43E-02	2.45E-04	--
8793	642336.2	4170348.9	Worker	Scenario 2	5.44E-02	2.42E-04	--
8794	642436.2	4170348.9	Worker	Scenario 2	5.43E-02	2.38E-04	--
8795	642536.2	4170348.9	Worker	Scenario 2	5.37E-02	2.33E-04	--
8796	642636.2	4170348.9	Worker	Scenario 2	5.29E-02	2.28E-04	--
8797	642736.2	4170348.9	Worker	Scenario 2	5.20E-02	2.22E-04	--
8798	642836.2	4170348.9	Worker	Scenario 2	5.10E-02	2.17E-04	--
8799	642936.2	4170348.9	Worker	Scenario 2	5.04E-02	2.13E-04	--
8800	643036.2	4170348.9	Worker	Scenario 2	4.98E-02	2.09E-04	--
8801	643136.2	4170348.9	Worker	Scenario 2	4.93E-02	2.05E-04	--
8802	643236.2	4170348.9	Worker	Scenario 2	4.88E-02	2.02E-04	--
8803	643336.2	4170348.9	Worker	Scenario 2	4.82E-02	1.98E-04	--
8804	643436.2	4170348.9	Worker	Scenario 2	4.76E-02	1.94E-04	--
8805	643536.2	4170348.9	Worker	Scenario 2	4.69E-02	1.91E-04	--
8806	643636.2	4170348.9	Worker	Scenario 2	4.63E-02	1.87E-04	--
8807	635636.2	4170448.9	Worker	Scenario 2	6.42E-03	3.72E-05	--
8808	635836.2	4170448.9	Worker	Scenario 2	6.75E-03	3.90E-05	--
8809	636036.2	4170448.9	Worker	Scenario 2	7.11E-03	4.09E-05	--
8810	636336.2	4170448.9	Worker	Scenario 2	8.08E-03	4.59E-05	--
8811	636436.2	4170448.9	Worker	Scenario 2	8.53E-03	4.82E-05	--
8812	636536.2	4170448.9	Worker	Scenario 2	8.77E-03	4.95E-05	--
8813	636636.2	4170448.9	Worker	Scenario 2	8.97E-03	5.06E-05	--
8814	636736.2	4170448.9	Worker	Scenario 2	9.28E-03	5.23E-05	--
8815	636836.2	4170448.9	Worker	Scenario 2	9.68E-03	5.44E-05	--
8816	636936.2	4170448.9	Worker	Scenario 2	1.01E-02	5.66E-05	--
8817	637036.2	4170448.9	Worker	Scenario 2	1.05E-02	5.87E-05	--
8818	637136.2	4170448.9	Worker	Scenario 2	1.11E-02	6.13E-05	--
8819	637436.2	4170448.9	Worker	Scenario 2	1.24E-02	6.85E-05	--
8820	637536.2	4170448.9	Worker	Scenario 2	1.26E-02	7.04E-05	--
8821	637636.2	4170448.9	Worker	Scenario 2	1.29E-02	7.22E-05	--
8822	637736.2	4170448.9	Worker	Scenario 2	1.34E-02	7.53E-05	--
8823	637836.2	4170448.9	Worker	Scenario 2	1.39E-02	7.82E-05	--
8824	637936.2	4170448.9	Worker	Scenario 2	1.43E-02	8.10E-05	--
8825	638036.2	4170448.9	Worker	Scenario 2	1.46E-02	8.34E-05	--
8826	638136.2	4170448.9	Worker	Scenario 2	1.52E-02	8.70E-05	--
8827	638236.2	4170448.9	Worker	Scenario 2	1.53E-02	8.89E-05	--
8828	638336.2	4170448.9	Worker	Scenario 2	1.65E-02	9.51E-05	--
8829	638636.2	4170448.9	Worker	Scenario 2	1.86E-02	1.09E-04	--
8830	638736.2	4170448.9	Worker	Scenario 2	1.87E-02	1.12E-04	--
8831	638836.2	4170448.9	Worker	Scenario 2	1.93E-02	1.16E-04	--
8832	638936.2	4170448.9	Worker	Scenario 2	1.94E-02	1.19E-04	--
8833	639036.2	4170448.9	Worker	Scenario 2	2.01E-02	1.24E-04	--
8834	639136.2	4170448.9	Worker	Scenario 2	2.09E-02	1.30E-04	--
8835	639236.2	4170448.9	Worker	Scenario 2	2.18E-02	1.36E-04	--
8836	639336.2	4170448.9	Worker	Scenario 2	2.23E-02	1.40E-04	--
8837	639436.2	4170448.9	Worker	Scenario 2	2.37E-02	1.48E-04	--
8838	639536.2	4170448.9	Worker	Scenario 2	2.57E-02	1.59E-04	--
8839	639636.2	4170448.9	Worker	Scenario 2	2.68E-02	1.65E-04	--
8840	639736.2	4170448.9	Worker	Scenario 2	2.79E-02	1.72E-04	--
8841	639836.2	4170448.9	Worker	Scenario 2	2.90E-02	1.78E-04	--
8842	639936.2	4170448.9	Worker	Scenario 2	3.03E-02	1.85E-04	--
8843	640036.2	4170448.9	Worker	Scenario 2	3.15E-02	1.91E-04	--
8844	640136.2	4170448.9	Worker	Scenario 2	3.29E-02	1.97E-04	--
8845	640236.2	4170448.9	Worker	Scenario 2	3.43E-02	2.03E-04	--
8846	640336.2	4170448.9	Worker	Scenario 2	3.58E-02	2.09E-04	--
8847	640436.2	4170448.9	Worker	Scenario 2	3.74E-02	2.15E-04	--
8848	640536.2	4170448.9	Worker	Scenario 2	3.91E-02	2.22E-04	--
8849	640636.2	4170448.9	Worker	Scenario 2	4.10E-02	2.29E-04	--
8850	640736.2	4170448.9	Worker	Scenario 2	4.30E-02	2.36E-04	--
8851	640836.2	4170448.9	Worker	Scenario 2	4.52E-02	2.44E-04	--
8852	640936.2	4170448.9	Worker	Scenario 2	4.74E-02	2.50E-04	--
8853	641036.2	4170448.9	Worker	Scenario 2	4.96E-02	2.53E-04	--
8854	641136.2	4170448.9	Worker	Scenario 2	5.14E-02	2.55E-04	--
8855	641236.2	4170448.9	Worker	Scenario 2	5.26E-02	2.57E-04	--
8856	641336.2	4170448.9	Worker	Scenario 2	5.32E-02	2.59E-04	--
8857	641436.2	4170448.9	Worker	Scenario 2	5.32E-02	2.58E-04	--
8858	641536.2	4170448.9	Worker	Scenario 2	5.28E-02	2.55E-04	--
8859	641636.2	4170448.9	Worker	Scenario 2	5.24E-02	2.51E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8860	641736.2	4170448.9	Worker	Scenario 2	5.18E-02	2.46E-04	--
8861	641836.2	4170448.9	Worker	Scenario 2	5.13E-02	2.41E-04	--
8862	641936.2	4170448.9	Worker	Scenario 2	5.10E-02	2.36E-04	--
8863	642036.2	4170448.9	Worker	Scenario 2	5.09E-02	2.34E-04	--
8864	642136.2	4170448.9	Worker	Scenario 2	5.10E-02	2.32E-04	--
8865	642236.2	4170448.9	Worker	Scenario 2	5.12E-02	2.31E-04	--
8866	642336.2	4170448.9	Worker	Scenario 2	5.14E-02	2.28E-04	--
8867	642436.2	4170448.9	Worker	Scenario 2	5.12E-02	2.25E-04	--
8868	642536.2	4170448.9	Worker	Scenario 2	5.07E-02	2.21E-04	--
8869	642636.2	4170448.9	Worker	Scenario 2	5.00E-02	2.16E-04	--
8870	642736.2	4170448.9	Worker	Scenario 2	4.92E-02	2.11E-04	--
8871	642836.2	4170448.9	Worker	Scenario 2	4.84E-02	2.06E-04	--
8872	642936.2	4170448.9	Worker	Scenario 2	4.77E-02	2.02E-04	--
8873	643036.2	4170448.9	Worker	Scenario 2	4.72E-02	1.98E-04	--
8874	643136.2	4170448.9	Worker	Scenario 2	4.69E-02	1.95E-04	--
8875	643236.2	4170448.9	Worker	Scenario 2	4.64E-02	1.92E-04	--
8876	643336.2	4170448.9	Worker	Scenario 2	4.59E-02	1.89E-04	--
8877	643436.2	4170448.9	Worker	Scenario 2	4.53E-02	1.85E-04	--
8878	643536.2	4170448.9	Worker	Scenario 2	4.48E-02	1.82E-04	--
8879	635836.2	4170548.9	Worker	Scenario 2	6.83E-03	3.92E-05	--
8880	635936.2	4170548.9	Worker	Scenario 2	7.03E-03	4.02E-05	--
8881	636236.2	4170548.9	Worker	Scenario 2	7.88E-03	4.46E-05	--
8882	636336.2	4170548.9	Worker	Scenario 2	8.19E-03	4.63E-05	--
8883	636436.2	4170548.9	Worker	Scenario 2	8.37E-03	4.73E-05	--
8884	636536.2	4170548.9	Worker	Scenario 2	8.78E-03	4.94E-05	--
8885	636636.2	4170548.9	Worker	Scenario 2	9.10E-03	5.11E-05	--
8886	636736.2	4170548.9	Worker	Scenario 2	9.29E-03	5.23E-05	--
8887	636836.2	4170548.9	Worker	Scenario 2	9.80E-03	5.48E-05	--
8888	636936.2	4170548.9	Worker	Scenario 2	1.02E-02	5.70E-05	--
8889	637036.2	4170548.9	Worker	Scenario 2	1.07E-02	5.94E-05	--
8890	637136.2	4170548.9	Worker	Scenario 2	1.07E-02	6.01E-05	--
8891	637336.2	4170548.9	Worker	Scenario 2	1.12E-02	6.35E-05	--
8892	637436.2	4170548.9	Worker	Scenario 2	1.24E-02	6.86E-05	--
8893	637536.2	4170548.9	Worker	Scenario 2	1.25E-02	7.00E-05	--
8894	637636.2	4170548.9	Worker	Scenario 2	1.29E-02	7.23E-05	--
8895	637736.2	4170548.9	Worker	Scenario 2	1.34E-02	7.52E-05	--
8896	637836.2	4170548.9	Worker	Scenario 2	1.39E-02	7.81E-05	--
8897	637936.2	4170548.9	Worker	Scenario 2	1.42E-02	8.08E-05	--
8898	638036.2	4170548.9	Worker	Scenario 2	1.46E-02	8.36E-05	--
8899	638136.2	4170548.9	Worker	Scenario 2	1.50E-02	8.65E-05	--
8900	638236.2	4170548.9	Worker	Scenario 2	1.53E-02	8.93E-05	--
8901	638336.2	4170548.9	Worker	Scenario 2	1.65E-02	9.53E-05	--
8902	638536.2	4170548.9	Worker	Scenario 2	1.77E-02	1.04E-04	--
8903	638636.2	4170548.9	Worker	Scenario 2	1.81E-02	1.07E-04	--
8904	638736.2	4170548.9	Worker	Scenario 2	1.86E-02	1.11E-04	--
8905	638836.2	4170548.9	Worker	Scenario 2	1.93E-02	1.16E-04	--
8906	638936.2	4170548.9	Worker	Scenario 2	1.93E-02	1.18E-04	--
8907	639036.2	4170548.9	Worker	Scenario 2	2.00E-02	1.23E-04	--
8908	639136.2	4170548.9	Worker	Scenario 2	2.08E-02	1.28E-04	--
8909	639236.2	4170548.9	Worker	Scenario 2	2.12E-02	1.32E-04	--
8910	639336.2	4170548.9	Worker	Scenario 2	2.23E-02	1.39E-04	--
8911	639436.2	4170548.9	Worker	Scenario 2	2.45E-02	1.50E-04	--
8912	639536.2	4170548.9	Worker	Scenario 2	2.55E-02	1.56E-04	--
8913	639636.2	4170548.9	Worker	Scenario 2	2.65E-02	1.61E-04	--
8914	639736.2	4170548.9	Worker	Scenario 2	2.75E-02	1.67E-04	--
8915	639836.2	4170548.9	Worker	Scenario 2	2.87E-02	1.72E-04	--
8916	639936.2	4170548.9	Worker	Scenario 2	2.98E-02	1.78E-04	--
8917	640036.2	4170548.9	Worker	Scenario 2	3.10E-02	1.83E-04	--
8918	640136.2	4170548.9	Worker	Scenario 2	3.23E-02	1.88E-04	--
8919	640236.2	4170548.9	Worker	Scenario 2	3.35E-02	1.94E-04	--
8920	640336.2	4170548.9	Worker	Scenario 2	3.49E-02	1.99E-04	--
8921	640436.2	4170548.9	Worker	Scenario 2	3.63E-02	2.04E-04	--
8922	640536.2	4170548.9	Worker	Scenario 2	3.79E-02	2.10E-04	--
8923	640636.2	4170548.9	Worker	Scenario 2	3.95E-02	2.16E-04	--
8924	640736.2	4170548.9	Worker	Scenario 2	4.12E-02	2.23E-04	--
8925	640836.2	4170548.9	Worker	Scenario 2	4.29E-02	2.29E-04	--
8926	640936.2	4170548.9	Worker	Scenario 2	4.45E-02	2.33E-04	--
8927	641036.2	4170548.9	Worker	Scenario 2	4.60E-02	2.34E-04	--
8928	641136.2	4170548.9	Worker	Scenario 2	4.72E-02	2.35E-04	--
8929	641236.2	4170548.9	Worker	Scenario 2	4.80E-02	2.36E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8930	641336.2	4170548.9	Worker	Scenario 2	4.86E-02	2.38E-04	--
8931	641436.2	4170548.9	Worker	Scenario 2	4.89E-02	2.38E-04	--
8932	641536.2	4170548.9	Worker	Scenario 2	4.87E-02	2.36E-04	--
8933	641636.2	4170548.9	Worker	Scenario 2	4.86E-02	2.33E-04	--
8934	641736.2	4170548.9	Worker	Scenario 2	4.83E-02	2.30E-04	--
8935	641836.2	4170548.9	Worker	Scenario 2	4.81E-02	2.26E-04	--
8936	641936.2	4170548.9	Worker	Scenario 2	4.79E-02	2.22E-04	--
8937	642036.2	4170548.9	Worker	Scenario 2	4.80E-02	2.20E-04	--
8938	642136.2	4170548.9	Worker	Scenario 2	4.82E-02	2.18E-04	--
8939	642236.2	4170548.9	Worker	Scenario 2	4.85E-02	2.17E-04	--
8940	642336.2	4170548.9	Worker	Scenario 2	4.87E-02	2.16E-04	--
8941	642436.2	4170548.9	Worker	Scenario 2	4.85E-02	2.13E-04	--
8942	642536.2	4170548.9	Worker	Scenario 2	4.81E-02	2.09E-04	--
8943	642636.2	4170548.9	Worker	Scenario 2	4.74E-02	2.05E-04	--
8944	642736.2	4170548.9	Worker	Scenario 2	4.67E-02	2.00E-04	--
8945	642836.2	4170548.9	Worker	Scenario 2	4.60E-02	1.96E-04	--
8946	642936.2	4170548.9	Worker	Scenario 2	4.53E-02	1.92E-04	--
8947	643036.2	4170548.9	Worker	Scenario 2	4.49E-02	1.89E-04	--
8948	643136.2	4170548.9	Worker	Scenario 2	4.46E-02	1.86E-04	--
8949	643236.2	4170548.9	Worker	Scenario 2	4.42E-02	1.83E-04	--
8950	643336.2	4170548.9	Worker	Scenario 2	4.37E-02	1.80E-04	--
8951	643436.2	4170548.9	Worker	Scenario 2	4.32E-02	1.77E-04	--
8952	643536.2	4170548.9	Worker	Scenario 2	4.27E-02	1.74E-04	--
8953	635736.2	4170648.9	Worker	Scenario 2	6.75E-03	3.86E-05	--
8954	635836.2	4170648.9	Worker	Scenario 2	6.93E-03	3.95E-05	--
8955	636236.2	4170648.9	Worker	Scenario 2	7.90E-03	4.46E-05	--
8956	636336.2	4170648.9	Worker	Scenario 2	8.18E-03	4.61E-05	--
8957	636436.2	4170648.9	Worker	Scenario 2	8.45E-03	4.76E-05	--
8958	636536.2	4170648.9	Worker	Scenario 2	9.52E-03	5.23E-05	--
8959	636636.2	4170648.9	Worker	Scenario 2	9.67E-03	5.33E-05	--
8960	636736.2	4170648.9	Worker	Scenario 2	9.39E-03	5.27E-05	--
8961	636836.2	4170648.9	Worker	Scenario 2	9.90E-03	5.53E-05	--
8962	636936.2	4170648.9	Worker	Scenario 2	1.01E-02	5.64E-05	--
8963	637036.2	4170648.9	Worker	Scenario 2	1.06E-02	5.89E-05	--
8964	637336.2	4170648.9	Worker	Scenario 2	1.21E-02	6.66E-05	--
8965	637436.2	4170648.9	Worker	Scenario 2	1.23E-02	6.86E-05	--
8966	637536.2	4170648.9	Worker	Scenario 2	1.29E-02	7.13E-05	--
8967	637636.2	4170648.9	Worker	Scenario 2	1.28E-02	7.22E-05	--
8968	637736.2	4170648.9	Worker	Scenario 2	1.34E-02	7.52E-05	--
8969	637836.2	4170648.9	Worker	Scenario 2	1.38E-02	7.79E-05	--
8970	637936.2	4170648.9	Worker	Scenario 2	1.42E-02	8.08E-05	--
8971	638036.2	4170648.9	Worker	Scenario 2	1.46E-02	8.38E-05	--
8972	638136.2	4170648.9	Worker	Scenario 2	1.52E-02	8.74E-05	--
8973	638236.2	4170648.9	Worker	Scenario 2	1.56E-02	9.06E-05	--
8974	638336.2	4170648.9	Worker	Scenario 2	1.64E-02	9.52E-05	--
8975	638536.2	4170648.9	Worker	Scenario 2	1.77E-02	1.04E-04	--
8976	638636.2	4170648.9	Worker	Scenario 2	1.82E-02	1.07E-04	--
8977	638736.2	4170648.9	Worker	Scenario 2	1.87E-02	1.11E-04	--
8978	638836.2	4170648.9	Worker	Scenario 2	1.93E-02	1.16E-04	--
8979	638936.2	4170648.9	Worker	Scenario 2	1.92E-02	1.17E-04	--
8980	639036.2	4170648.9	Worker	Scenario 2	2.00E-02	1.22E-04	--
8981	639136.2	4170648.9	Worker	Scenario 2	2.08E-02	1.27E-04	--
8982	639236.2	4170648.9	Worker	Scenario 2	2.09E-02	1.29E-04	--
8983	639336.2	4170648.9	Worker	Scenario 2	2.29E-02	1.39E-04	--
8984	639436.2	4170648.9	Worker	Scenario 2	2.43E-02	1.47E-04	--
8985	639536.2	4170648.9	Worker	Scenario 2	2.53E-02	1.52E-04	--
8986	639636.2	4170648.9	Worker	Scenario 2	2.62E-02	1.57E-04	--
8987	639736.2	4170648.9	Worker	Scenario 2	2.72E-02	1.62E-04	--
8988	639836.2	4170648.9	Worker	Scenario 2	2.83E-02	1.66E-04	--
8989	639936.2	4170648.9	Worker	Scenario 2	2.93E-02	1.71E-04	--
8990	640036.2	4170648.9	Worker	Scenario 2	3.04E-02	1.76E-04	--
8991	640136.2	4170648.9	Worker	Scenario 2	3.16E-02	1.80E-04	--
8992	640236.2	4170648.9	Worker	Scenario 2	3.28E-02	1.85E-04	--
8993	640336.2	4170648.9	Worker	Scenario 2	3.40E-02	1.90E-04	--
8994	640436.2	4170648.9	Worker	Scenario 2	3.53E-02	1.95E-04	--
8995	640536.2	4170648.9	Worker	Scenario 2	3.67E-02	2.00E-04	--
8996	640636.2	4170648.9	Worker	Scenario 2	3.81E-02	2.05E-04	--
8997	640736.2	4170648.9	Worker	Scenario 2	3.95E-02	2.11E-04	--
8998	640836.2	4170648.9	Worker	Scenario 2	4.08E-02	2.15E-04	--
8999	640936.2	4170648.9	Worker	Scenario 2	4.20E-02	2.18E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9000	641036.2	4170648.9	Worker	Scenario 2	4.31E-02	2.18E-04	--
9001	641136.2	4170648.9	Worker	Scenario 2	4.40E-02	2.18E-04	--
9002	641236.2	4170648.9	Worker	Scenario 2	4.46E-02	2.20E-04	--
9003	641336.2	4170648.9	Worker	Scenario 2	4.51E-02	2.22E-04	--
9004	641436.2	4170648.9	Worker	Scenario 2	4.55E-02	2.22E-04	--
9005	641536.2	4170648.9	Worker	Scenario 2	4.55E-02	2.20E-04	--
9006	641636.2	4170648.9	Worker	Scenario 2	4.54E-02	2.18E-04	--
9007	641736.2	4170648.9	Worker	Scenario 2	4.53E-02	2.16E-04	--
9008	641836.2	4170648.9	Worker	Scenario 2	4.53E-02	2.13E-04	--
9009	641936.2	4170648.9	Worker	Scenario 2	4.53E-02	2.10E-04	--
9010	642036.2	4170648.9	Worker	Scenario 2	4.55E-02	2.07E-04	--
9011	642136.2	4170648.9	Worker	Scenario 2	4.58E-02	2.06E-04	--
9012	642236.2	4170648.9	Worker	Scenario 2	4.62E-02	2.05E-04	--
9013	642336.2	4170648.9	Worker	Scenario 2	4.63E-02	2.04E-04	--
9014	642436.2	4170648.9	Worker	Scenario 2	4.61E-02	2.02E-04	--
9015	642536.2	4170648.9	Worker	Scenario 2	4.57E-02	1.99E-04	--
9016	642636.2	4170648.9	Worker	Scenario 2	4.51E-02	1.95E-04	--
9017	642736.2	4170648.9	Worker	Scenario 2	4.44E-02	1.90E-04	--
9018	642836.2	4170648.9	Worker	Scenario 2	4.37E-02	1.86E-04	--
9019	642936.2	4170648.9	Worker	Scenario 2	4.32E-02	1.83E-04	--
9020	643036.2	4170648.9	Worker	Scenario 2	4.28E-02	1.80E-04	--
9021	643136.2	4170648.9	Worker	Scenario 2	4.25E-02	1.77E-04	--
9022	643236.2	4170648.9	Worker	Scenario 2	4.21E-02	1.75E-04	--
9023	643336.2	4170648.9	Worker	Scenario 2	4.17E-02	1.72E-04	--
9024	643436.2	4170648.9	Worker	Scenario 2	4.13E-02	1.69E-04	--
9025	635736.2	4170748.9	Worker	Scenario 2	6.84E-03	3.89E-05	--
9026	636336.2	4170748.9	Worker	Scenario 2	8.25E-03	4.64E-05	--
9027	636436.2	4170748.9	Worker	Scenario 2	8.55E-03	4.80E-05	--
9028	636536.2	4170748.9	Worker	Scenario 2	9.44E-03	5.20E-05	--
9029	636636.2	4170748.9	Worker	Scenario 2	9.83E-03	5.39E-05	--
9030	636736.2	4170748.9	Worker	Scenario 2	1.02E-02	5.60E-05	--
9031	636836.2	4170748.9	Worker	Scenario 2	1.06E-02	5.78E-05	--
9032	636936.2	4170748.9	Worker	Scenario 2	1.06E-02	5.84E-05	--
9033	637236.2	4170748.9	Worker	Scenario 2	1.12E-02	6.27E-05	--
9034	637336.2	4170748.9	Worker	Scenario 2	1.21E-02	6.67E-05	--
9035	637436.2	4170748.9	Worker	Scenario 2	1.24E-02	6.90E-05	--
9036	637536.2	4170748.9	Worker	Scenario 2	1.28E-02	7.11E-05	--
9037	637636.2	4170748.9	Worker	Scenario 2	1.33E-02	7.41E-05	--
9038	637736.2	4170748.9	Worker	Scenario 2	1.34E-02	7.53E-05	--
9039	637836.2	4170748.9	Worker	Scenario 2	1.38E-02	7.81E-05	--
9040	637936.2	4170748.9	Worker	Scenario 2	1.42E-02	8.10E-05	--
9041	638036.2	4170748.9	Worker	Scenario 2	1.45E-02	8.35E-05	--
9042	638136.2	4170748.9	Worker	Scenario 2	1.57E-02	8.92E-05	--
9043	638236.2	4170748.9	Worker	Scenario 2	1.58E-02	9.13E-05	--
9044	638336.2	4170748.9	Worker	Scenario 2	1.64E-02	9.53E-05	--
9045	638636.2	4170748.9	Worker	Scenario 2	1.82E-02	1.07E-04	--
9046	638736.2	4170748.9	Worker	Scenario 2	1.88E-02	1.11E-04	--
9047	638836.2	4170748.9	Worker	Scenario 2	1.97E-02	1.16E-04	--
9048	638936.2	4170748.9	Worker	Scenario 2	1.91E-02	1.16E-04	--
9049	639036.2	4170748.9	Worker	Scenario 2	1.99E-02	1.21E-04	--
9050	639136.2	4170748.9	Worker	Scenario 2	2.07E-02	1.26E-04	--
9051	639236.2	4170748.9	Worker	Scenario 2	2.08E-02	1.27E-04	--
9052	639336.2	4170748.9	Worker	Scenario 2	2.26E-02	1.36E-04	--
9053	639436.2	4170748.9	Worker	Scenario 2	2.41E-02	1.43E-04	--
9054	639536.2	4170748.9	Worker	Scenario 2	2.50E-02	1.48E-04	--
9055	639636.2	4170748.9	Worker	Scenario 2	2.59E-02	1.52E-04	--
9056	639736.2	4170748.9	Worker	Scenario 2	2.68E-02	1.56E-04	--
9057	639836.2	4170748.9	Worker	Scenario 2	2.78E-02	1.61E-04	--
9058	639936.2	4170748.9	Worker	Scenario 2	2.88E-02	1.65E-04	--
9059	640036.2	4170748.9	Worker	Scenario 2	2.98E-02	1.69E-04	--
9060	640136.2	4170748.9	Worker	Scenario 2	3.09E-02	1.73E-04	--
9061	640236.2	4170748.9	Worker	Scenario 2	3.20E-02	1.77E-04	--
9062	640336.2	4170748.9	Worker	Scenario 2	3.31E-02	1.81E-04	--
9063	640436.2	4170748.9	Worker	Scenario 2	3.43E-02	1.86E-04	--
9064	640536.2	4170748.9	Worker	Scenario 2	3.54E-02	1.90E-04	--
9065	640636.2	4170748.9	Worker	Scenario 2	3.66E-02	1.95E-04	--
9066	640736.2	4170748.9	Worker	Scenario 2	3.78E-02	2.00E-04	--
9067	640836.2	4170748.9	Worker	Scenario 2	3.88E-02	2.04E-04	--
9068	640936.2	4170748.9	Worker	Scenario 2	3.98E-02	2.05E-04	--
9069	641036.2	4170748.9	Worker	Scenario 2	4.06E-02	2.05E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9070	641136.2	4170748.9	Worker	Scenario 2	4.13E-02	2.05E-04	--
9071	641236.2	4170748.9	Worker	Scenario 2	4.18E-02	2.06E-04	--
9072	641336.2	4170748.9	Worker	Scenario 2	4.23E-02	2.08E-04	--
9073	641436.2	4170748.9	Worker	Scenario 2	4.26E-02	2.08E-04	--
9074	641536.2	4170748.9	Worker	Scenario 2	4.27E-02	2.07E-04	--
9075	641636.2	4170748.9	Worker	Scenario 2	4.26E-02	2.05E-04	--
9076	641736.2	4170748.9	Worker	Scenario 2	4.27E-02	2.03E-04	--
9077	641836.2	4170748.9	Worker	Scenario 2	4.29E-02	2.01E-04	--
9078	641936.2	4170748.9	Worker	Scenario 2	4.30E-02	1.99E-04	--
9079	642036.2	4170748.9	Worker	Scenario 2	4.34E-02	1.97E-04	--
9080	642136.2	4170748.9	Worker	Scenario 2	4.37E-02	1.96E-04	--
9081	642236.2	4170748.9	Worker	Scenario 2	4.40E-02	1.95E-04	--
9082	642336.2	4170748.9	Worker	Scenario 2	4.41E-02	1.94E-04	--
9083	642436.2	4170748.9	Worker	Scenario 2	4.40E-02	1.92E-04	--
9084	642536.2	4170748.9	Worker	Scenario 2	4.35E-02	1.89E-04	--
9085	642636.2	4170748.9	Worker	Scenario 2	4.29E-02	1.86E-04	--
9086	642736.2	4170748.9	Worker	Scenario 2	4.23E-02	1.82E-04	--
9087	642836.2	4170748.9	Worker	Scenario 2	4.17E-02	1.78E-04	--
9088	642936.2	4170748.9	Worker	Scenario 2	4.12E-02	1.75E-04	--
9089	643036.2	4170748.9	Worker	Scenario 2	4.09E-02	1.72E-04	--
9090	643136.2	4170748.9	Worker	Scenario 2	4.05E-02	1.69E-04	--
9091	643236.2	4170748.9	Worker	Scenario 2	4.02E-02	1.67E-04	--
9092	643336.2	4170748.9	Worker	Scenario 2	3.99E-02	1.65E-04	--
9093	636436.2	4170848.9	Worker	Scenario 2	8.65E-03	4.84E-05	--
9094	636536.2	4170848.9	Worker	Scenario 2	8.96E-03	5.00E-05	--
9095	636936.2	4170848.9	Worker	Scenario 2	1.02E-02	5.68E-05	--
9096	637336.2	4170848.9	Worker	Scenario 2	1.18E-02	6.56E-05	--
9097	637436.2	4170848.9	Worker	Scenario 2	1.22E-02	6.82E-05	--
9098	637536.2	4170848.9	Worker	Scenario 2	1.27E-02	7.08E-05	--
9099	637636.2	4170848.9	Worker	Scenario 2	1.35E-02	7.46E-05	--
9100	637736.2	4170848.9	Worker	Scenario 2	1.39E-02	7.73E-05	--
9101	637836.2	4170848.9	Worker	Scenario 2	1.44E-02	8.02E-05	--
9102	637936.2	4170848.9	Worker	Scenario 2	1.48E-02	8.30E-05	--
9103	638036.2	4170848.9	Worker	Scenario 2	1.46E-02	8.40E-05	--
9104	638136.2	4170848.9	Worker	Scenario 2	1.52E-02	8.77E-05	--
9105	638236.2	4170848.9	Worker	Scenario 2	1.58E-02	9.14E-05	--
9106	638336.2	4170848.9	Worker	Scenario 2	1.64E-02	9.51E-05	--
9107	638536.2	4170848.9	Worker	Scenario 2	1.77E-02	1.03E-04	--
9108	638636.2	4170848.9	Worker	Scenario 2	1.83E-02	1.07E-04	--
9109	638736.2	4170848.9	Worker	Scenario 2	1.89E-02	1.11E-04	--
9110	638836.2	4170848.9	Worker	Scenario 2	1.93E-02	1.14E-04	--
9111	638936.2	4170848.9	Worker	Scenario 2	1.90E-02	1.15E-04	--
9112	639036.2	4170848.9	Worker	Scenario 2	1.98E-02	1.19E-04	--
9113	639136.2	4170848.9	Worker	Scenario 2	2.05E-02	1.23E-04	--
9114	639236.2	4170848.9	Worker	Scenario 2	2.07E-02	1.25E-04	--
9115	639336.2	4170848.9	Worker	Scenario 2	2.24E-02	1.33E-04	--
9116	639436.2	4170848.9	Worker	Scenario 2	2.37E-02	1.39E-04	--
9117	639536.2	4170848.9	Worker	Scenario 2	2.45E-02	1.43E-04	--
9118	639636.2	4170848.9	Worker	Scenario 2	2.55E-02	1.47E-04	--
9119	639736.2	4170848.9	Worker	Scenario 2	2.64E-02	1.51E-04	--
9120	639836.2	4170848.9	Worker	Scenario 2	2.73E-02	1.55E-04	--
9121	639936.2	4170848.9	Worker	Scenario 2	2.82E-02	1.58E-04	--
9122	640036.2	4170848.9	Worker	Scenario 2	2.92E-02	1.62E-04	--
9123	640136.2	4170848.9	Worker	Scenario 2	3.02E-02	1.66E-04	--
9124	640236.2	4170848.9	Worker	Scenario 2	3.12E-02	1.70E-04	--
9125	640336.2	4170848.9	Worker	Scenario 2	3.22E-02	1.74E-04	--
9126	640436.2	4170848.9	Worker	Scenario 2	3.32E-02	1.77E-04	--
9127	640536.2	4170848.9	Worker	Scenario 2	3.42E-02	1.82E-04	--
9128	640636.2	4170848.9	Worker	Scenario 2	3.53E-02	1.86E-04	--
9129	640736.2	4170848.9	Worker	Scenario 2	3.62E-02	1.90E-04	--
9130	640836.2	4170848.9	Worker	Scenario 2	3.71E-02	1.93E-04	--
9131	640936.2	4170848.9	Worker	Scenario 2	3.78E-02	1.93E-04	--
9132	641036.2	4170848.9	Worker	Scenario 2	3.85E-02	1.93E-04	--
9133	641136.2	4170848.9	Worker	Scenario 2	3.91E-02	1.93E-04	--
9134	641236.2	4170848.9	Worker	Scenario 2	3.95E-02	1.94E-04	--
9135	641336.2	4170848.9	Worker	Scenario 2	3.99E-02	1.96E-04	--
9136	641436.2	4170848.9	Worker	Scenario 2	4.02E-02	1.96E-04	--
9137	641536.2	4170848.9	Worker	Scenario 2	4.03E-02	1.95E-04	--
9138	641636.2	4170848.9	Worker	Scenario 2	4.04E-02	1.93E-04	--
9139	641736.2	4170848.9	Worker	Scenario 2	4.05E-02	1.92E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9140	641836.2	4170848.9	Worker	Scenario 2	4.07E-02	1.91E-04	--
9141	641936.2	4170848.9	Worker	Scenario 2	4.10E-02	1.89E-04	--
9142	642036.2	4170848.9	Worker	Scenario 2	4.14E-02	1.87E-04	--
9143	642136.2	4170848.9	Worker	Scenario 2	4.18E-02	1.86E-04	--
9144	642236.2	4170848.9	Worker	Scenario 2	4.21E-02	1.85E-04	--
9145	642336.2	4170848.9	Worker	Scenario 2	4.22E-02	1.84E-04	--
9146	642436.2	4170848.9	Worker	Scenario 2	4.20E-02	1.83E-04	--
9147	642536.2	4170848.9	Worker	Scenario 2	4.16E-02	1.80E-04	--
9148	642636.2	4170848.9	Worker	Scenario 2	4.10E-02	1.77E-04	--
9149	642736.2	4170848.9	Worker	Scenario 2	4.04E-02	1.74E-04	--
9150	642836.2	4170848.9	Worker	Scenario 2	3.99E-02	1.70E-04	--
9151	642936.2	4170848.9	Worker	Scenario 2	3.94E-02	1.67E-04	--
9152	643036.2	4170848.9	Worker	Scenario 2	3.91E-02	1.65E-04	--
9153	643136.2	4170848.9	Worker	Scenario 2	3.88E-02	1.62E-04	--
9154	643236.2	4170848.9	Worker	Scenario 2	3.85E-02	1.60E-04	--
9155	643336.2	4170848.9	Worker	Scenario 2	3.81E-02	1.57E-04	--
9156	637336.2	4170948.9	Worker	Scenario 2	1.18E-02	6.60E-05	--
9157	637436.2	4170948.9	Worker	Scenario 2	1.22E-02	6.82E-05	--
9158	637536.2	4170948.9	Worker	Scenario 2	1.32E-02	7.26E-05	--
9159	637636.2	4170948.9	Worker	Scenario 2	1.30E-02	7.31E-05	--
9160	637736.2	4170948.9	Worker	Scenario 2	1.34E-02	7.55E-05	--
9161	637836.2	4170948.9	Worker	Scenario 2	1.39E-02	7.86E-05	--
9162	637936.2	4170948.9	Worker	Scenario 2	1.45E-02	8.24E-05	--
9163	638036.2	4170948.9	Worker	Scenario 2	1.46E-02	8.41E-05	--
9164	638136.2	4170948.9	Worker	Scenario 2	1.52E-02	8.79E-05	--
9165	638236.2	4170948.9	Worker	Scenario 2	1.57E-02	9.12E-05	--
9166	638536.2	4170948.9	Worker	Scenario 2	1.76E-02	1.03E-04	--
9167	638636.2	4170948.9	Worker	Scenario 2	1.82E-02	1.06E-04	--
9168	638736.2	4170948.9	Worker	Scenario 2	1.88E-02	1.10E-04	--
9169	638836.2	4170948.9	Worker	Scenario 2	1.86E-02	1.11E-04	--
9170	638936.2	4170948.9	Worker	Scenario 2	1.89E-02	1.13E-04	--
9171	639036.2	4170948.9	Worker	Scenario 2	1.96E-02	1.17E-04	--
9172	639136.2	4170948.9	Worker	Scenario 2	1.96E-02	1.18E-04	--
9173	639236.2	4170948.9	Worker	Scenario 2	2.03E-02	1.21E-04	--
9174	639336.2	4170948.9	Worker	Scenario 2	2.23E-02	1.30E-04	--
9175	639436.2	4170948.9	Worker	Scenario 2	2.33E-02	1.35E-04	--
9176	639536.2	4170948.9	Worker	Scenario 2	2.42E-02	1.39E-04	--
9177	639636.2	4170948.9	Worker	Scenario 2	2.50E-02	1.42E-04	--
9178	639736.2	4170948.9	Worker	Scenario 2	2.60E-02	1.46E-04	--
9179	639836.2	4170948.9	Worker	Scenario 2	2.68E-02	1.49E-04	--
9180	639936.2	4170948.9	Worker	Scenario 2	2.77E-02	1.53E-04	--
9181	640036.2	4170948.9	Worker	Scenario 2	2.85E-02	1.56E-04	--
9182	640136.2	4170948.9	Worker	Scenario 2	2.94E-02	1.59E-04	--
9183	640236.2	4170948.9	Worker	Scenario 2	3.04E-02	1.63E-04	--
9184	640336.2	4170948.9	Worker	Scenario 2	3.13E-02	1.66E-04	--
9185	640436.2	4170948.9	Worker	Scenario 2	3.22E-02	1.70E-04	--
9186	640536.2	4170948.9	Worker	Scenario 2	3.31E-02	1.74E-04	--
9187	640636.2	4170948.9	Worker	Scenario 2	3.39E-02	1.78E-04	--
9188	640736.2	4170948.9	Worker	Scenario 2	3.47E-02	1.81E-04	--
9189	640836.2	4170948.9	Worker	Scenario 2	3.55E-02	1.83E-04	--
9190	640936.2	4170948.9	Worker	Scenario 2	3.61E-02	1.83E-04	--
9191	641036.2	4170948.9	Worker	Scenario 2	3.67E-02	1.82E-04	--
9192	641136.2	4170948.9	Worker	Scenario 2	3.71E-02	1.82E-04	--
9193	641236.2	4170948.9	Worker	Scenario 2	3.74E-02	1.83E-04	--
9194	641336.2	4170948.9	Worker	Scenario 2	3.77E-02	1.84E-04	--
9195	641436.2	4170948.9	Worker	Scenario 2	3.81E-02	1.85E-04	--
9196	641536.2	4170948.9	Worker	Scenario 2	3.82E-02	1.84E-04	--
9197	641636.2	4170948.9	Worker	Scenario 2	3.83E-02	1.83E-04	--
9198	641736.2	4170948.9	Worker	Scenario 2	3.84E-02	1.82E-04	--
9199	641836.2	4170948.9	Worker	Scenario 2	3.87E-02	1.81E-04	--
9200	641936.2	4170948.9	Worker	Scenario 2	3.92E-02	1.80E-04	--
9201	642036.2	4170948.9	Worker	Scenario 2	3.96E-02	1.79E-04	--
9202	642136.2	4170948.9	Worker	Scenario 2	4.00E-02	1.78E-04	--
9203	642236.2	4170948.9	Worker	Scenario 2	4.03E-02	1.77E-04	--
9204	642336.2	4170948.9	Worker	Scenario 2	4.03E-02	1.75E-04	--
9205	642436.2	4170948.9	Worker	Scenario 2	4.01E-02	1.74E-04	--
9206	642536.2	4170948.9	Worker	Scenario 2	3.97E-02	1.72E-04	--
9207	642636.2	4170948.9	Worker	Scenario 2	3.92E-02	1.69E-04	--
9208	642736.2	4170948.9	Worker	Scenario 2	3.87E-02	1.66E-04	--
9209	642836.2	4170948.9	Worker	Scenario 2	3.82E-02	1.63E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9210	642936.2	4170948.9	Worker	Scenario 2	3.78E-02	1.60E-04	--
9211	643036.2	4170948.9	Worker	Scenario 2	3.75E-02	1.58E-04	--
9212	643136.2	4170948.9	Worker	Scenario 2	3.72E-02	1.56E-04	--
9213	643236.2	4170948.9	Worker	Scenario 2	3.69E-02	1.53E-04	--
9214	636836.2	4171048.9	Worker	Scenario 2	1.01E-02	5.58E-05	--
9215	637036.2	4171048.9	Worker	Scenario 2	1.08E-02	5.98E-05	--
9216	637136.2	4171048.9	Worker	Scenario 2	1.17E-02	6.37E-05	--
9217	637236.2	4171048.9	Worker	Scenario 2	1.21E-02	6.60E-05	--
9218	637336.2	4171048.9	Worker	Scenario 2	1.20E-02	6.66E-05	--
9219	637436.2	4171048.9	Worker	Scenario 2	1.26E-02	6.98E-05	--
9220	637536.2	4171048.9	Worker	Scenario 2	1.26E-02	7.09E-05	--
9221	637636.2	4171048.9	Worker	Scenario 2	1.31E-02	7.37E-05	--
9222	637736.2	4171048.9	Worker	Scenario 2	1.34E-02	7.57E-05	--
9223	637836.2	4171048.9	Worker	Scenario 2	1.37E-02	7.83E-05	--
9224	637936.2	4171048.9	Worker	Scenario 2	1.43E-02	8.19E-05	--
9225	638036.2	4171048.9	Worker	Scenario 2	1.51E-02	8.58E-05	--
9226	638136.2	4171048.9	Worker	Scenario 2	1.52E-02	8.78E-05	--
9227	638236.2	4171048.9	Worker	Scenario 2	1.57E-02	9.10E-05	--
9228	638436.2	4171048.9	Worker	Scenario 2	1.70E-02	9.82E-05	--
9229	638536.2	4171048.9	Worker	Scenario 2	1.76E-02	1.02E-04	--
9230	638636.2	4171048.9	Worker	Scenario 2	1.78E-02	1.04E-04	--
9231	638736.2	4171048.9	Worker	Scenario 2	1.87E-02	1.09E-04	--
9232	638836.2	4171048.9	Worker	Scenario 2	1.83E-02	1.08E-04	--
9233	638936.2	4171048.9	Worker	Scenario 2	1.88E-02	1.11E-04	--
9234	639036.2	4171048.9	Worker	Scenario 2	1.96E-02	1.16E-04	--
9235	639136.2	4171048.9	Worker	Scenario 2	2.02E-02	1.19E-04	--
9236	639236.2	4171048.9	Worker	Scenario 2	2.08E-02	1.22E-04	--
9237	639336.2	4171048.9	Worker	Scenario 2	2.22E-02	1.28E-04	--
9238	639436.2	4171048.9	Worker	Scenario 2	2.25E-02	1.29E-04	--
9239	639536.2	4171048.9	Worker	Scenario 2	2.33E-02	1.32E-04	--
9240	639636.2	4171048.9	Worker	Scenario 2	2.46E-02	1.38E-04	--
9241	639736.2	4171048.9	Worker	Scenario 2	2.55E-02	1.41E-04	--
9242	639836.2	4171048.9	Worker	Scenario 2	2.63E-02	1.44E-04	--
9243	639936.2	4171048.9	Worker	Scenario 2	2.71E-02	1.47E-04	--
9244	640036.2	4171048.9	Worker	Scenario 2	2.79E-02	1.50E-04	--
9245	640136.2	4171048.9	Worker	Scenario 2	2.87E-02	1.53E-04	--
9246	640236.2	4171048.9	Worker	Scenario 2	2.95E-02	1.56E-04	--
9247	640336.2	4171048.9	Worker	Scenario 2	3.04E-02	1.59E-04	--
9248	640436.2	4171048.9	Worker	Scenario 2	3.12E-02	1.63E-04	--
9249	640536.2	4171048.9	Worker	Scenario 2	3.19E-02	1.66E-04	--
9250	640636.2	4171048.9	Worker	Scenario 2	3.27E-02	1.70E-04	--
9251	640736.2	4171048.9	Worker	Scenario 2	3.34E-02	1.73E-04	--
9252	640836.2	4171048.9	Worker	Scenario 2	3.40E-02	1.74E-04	--
9253	640936.2	4171048.9	Worker	Scenario 2	3.45E-02	1.74E-04	--
9254	641036.2	4171048.9	Worker	Scenario 2	3.50E-02	1.73E-04	--
9255	641136.2	4171048.9	Worker	Scenario 2	3.54E-02	1.73E-04	--
9256	641236.2	4171048.9	Worker	Scenario 2	3.57E-02	1.74E-04	--
9257	641336.2	4171048.9	Worker	Scenario 2	3.60E-02	1.75E-04	--
9258	641436.2	4171048.9	Worker	Scenario 2	3.62E-02	1.75E-04	--
9259	641536.2	4171048.9	Worker	Scenario 2	3.64E-02	1.75E-04	--
9260	641636.2	4171048.9	Worker	Scenario 2	3.65E-02	1.74E-04	--
9261	641736.2	4171048.9	Worker	Scenario 2	3.67E-02	1.73E-04	--
9262	641836.2	4171048.9	Worker	Scenario 2	3.70E-02	1.73E-04	--
9263	641936.2	4171048.9	Worker	Scenario 2	3.75E-02	1.72E-04	--
9264	642036.2	4171048.9	Worker	Scenario 2	3.80E-02	1.71E-04	--
9265	642136.2	4171048.9	Worker	Scenario 2	3.83E-02	1.70E-04	--
9266	642236.2	4171048.9	Worker	Scenario 2	3.86E-02	1.69E-04	--
9267	642336.2	4171048.9	Worker	Scenario 2	3.86E-02	1.67E-04	--
9268	642436.2	4171048.9	Worker	Scenario 2	3.84E-02	1.66E-04	--
9269	642536.2	4171048.9	Worker	Scenario 2	3.80E-02	1.64E-04	--
9270	642636.2	4171048.9	Worker	Scenario 2	3.75E-02	1.62E-04	--
9271	642736.2	4171048.9	Worker	Scenario 2	3.70E-02	1.59E-04	--
9272	642836.2	4171048.9	Worker	Scenario 2	3.66E-02	1.56E-04	--
9273	642936.2	4171048.9	Worker	Scenario 2	3.63E-02	1.54E-04	--
9274	643036.2	4171048.9	Worker	Scenario 2	3.60E-02	1.52E-04	--
9275	643136.2	4171048.9	Worker	Scenario 2	3.57E-02	1.49E-04	--
9276	636936.2	4171148.9	Worker	Scenario 2	1.07E-02	5.89E-05	--
9277	637036.2	4171148.9	Worker	Scenario 2	1.13E-02	6.17E-05	--
9278	637136.2	4171148.9	Worker	Scenario 2	1.16E-02	6.34E-05	--
9279	637236.2	4171148.9	Worker	Scenario 2	1.19E-02	6.54E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9280	637336.2	4171148.9	Worker	Scenario 2	1.18E-02	6.58E-05	--
9281	637436.2	4171148.9	Worker	Scenario 2	1.21E-02	6.79E-05	--
9282	637536.2	4171148.9	Worker	Scenario 2	1.25E-02	7.03E-05	--
9283	637636.2	4171148.9	Worker	Scenario 2	1.30E-02	7.34E-05	--
9284	637736.2	4171148.9	Worker	Scenario 2	1.35E-02	7.63E-05	--
9285	637836.2	4171148.9	Worker	Scenario 2	1.37E-02	7.84E-05	--
9286	637936.2	4171148.9	Worker	Scenario 2	1.39E-02	8.03E-05	--
9287	638036.2	4171148.9	Worker	Scenario 2	1.47E-02	8.46E-05	--
9288	638136.2	4171148.9	Worker	Scenario 2	1.52E-02	8.76E-05	--
9289	638436.2	4171148.9	Worker	Scenario 2	1.68E-02	9.72E-05	--
9290	638536.2	4171148.9	Worker	Scenario 2	1.72E-02	1.00E-04	--
9291	638636.2	4171148.9	Worker	Scenario 2	1.77E-02	1.03E-04	--
9292	638736.2	4171148.9	Worker	Scenario 2	1.84E-02	1.07E-04	--
9293	638836.2	4171148.9	Worker	Scenario 2	1.80E-02	1.06E-04	--
9294	638936.2	4171148.9	Worker	Scenario 2	1.88E-02	1.10E-04	--
9295	639036.2	4171148.9	Worker	Scenario 2	1.94E-02	1.13E-04	--
9296	639136.2	4171148.9	Worker	Scenario 2	1.98E-02	1.15E-04	--
9297	639236.2	4171148.9	Worker	Scenario 2	2.04E-02	1.18E-04	--
9298	639336.2	4171148.9	Worker	Scenario 2	2.22E-02	1.25E-04	--
9299	639436.2	4171148.9	Worker	Scenario 2	2.23E-02	1.26E-04	--
9300	639536.2	4171148.9	Worker	Scenario 2	2.29E-02	1.28E-04	--
9301	639636.2	4171148.9	Worker	Scenario 2	2.42E-02	1.33E-04	--
9302	639736.2	4171148.9	Worker	Scenario 2	2.51E-02	1.36E-04	--
9303	639836.2	4171148.9	Worker	Scenario 2	2.58E-02	1.39E-04	--
9304	639936.2	4171148.9	Worker	Scenario 2	2.65E-02	1.42E-04	--
9305	640036.2	4171148.9	Worker	Scenario 2	2.72E-02	1.45E-04	--
9306	640136.2	4171148.9	Worker	Scenario 2	2.80E-02	1.47E-04	--
9307	640236.2	4171148.9	Worker	Scenario 2	2.87E-02	1.50E-04	--
9308	640336.2	4171148.9	Worker	Scenario 2	2.95E-02	1.53E-04	--
9309	640436.2	4171148.9	Worker	Scenario 2	3.02E-02	1.56E-04	--
9310	640536.2	4171148.9	Worker	Scenario 2	3.08E-02	1.59E-04	--
9311	640636.2	4171148.9	Worker	Scenario 2	3.15E-02	1.63E-04	--
9312	640736.2	4171148.9	Worker	Scenario 2	3.21E-02	1.65E-04	--
9313	640836.2	4171148.9	Worker	Scenario 2	3.26E-02	1.66E-04	--
9314	640936.2	4171148.9	Worker	Scenario 2	3.31E-02	1.65E-04	--
9315	641036.2	4171148.9	Worker	Scenario 2	3.36E-02	1.64E-04	--
9316	641136.2	4171148.9	Worker	Scenario 2	3.38E-02	1.65E-04	--
9317	641236.2	4171148.9	Worker	Scenario 2	3.41E-02	1.66E-04	--
9318	641336.2	4171148.9	Worker	Scenario 2	3.44E-02	1.67E-04	--
9319	641436.2	4171148.9	Worker	Scenario 2	3.47E-02	1.67E-04	--
9320	641536.2	4171148.9	Worker	Scenario 2	3.48E-02	1.66E-04	--
9321	641636.2	4171148.9	Worker	Scenario 2	3.50E-02	1.66E-04	--
9322	641736.2	4171148.9	Worker	Scenario 2	3.52E-02	1.65E-04	--
9323	641836.2	4171148.9	Worker	Scenario 2	3.55E-02	1.65E-04	--
9324	641936.2	4171148.9	Worker	Scenario 2	3.60E-02	1.64E-04	--
9325	642036.2	4171148.9	Worker	Scenario 2	3.65E-02	1.64E-04	--
9326	642136.2	4171148.9	Worker	Scenario 2	3.68E-02	1.63E-04	--
9327	642236.2	4171148.9	Worker	Scenario 2	3.70E-02	1.61E-04	--
9328	642336.2	4171148.9	Worker	Scenario 2	3.70E-02	1.60E-04	--
9329	642436.2	4171148.9	Worker	Scenario 2	3.68E-02	1.58E-04	--
9330	642536.2	4171148.9	Worker	Scenario 2	3.64E-02	1.57E-04	--
9331	642636.2	4171148.9	Worker	Scenario 2	3.60E-02	1.55E-04	--
9332	642736.2	4171148.9	Worker	Scenario 2	3.55E-02	1.52E-04	--
9333	642836.2	4171148.9	Worker	Scenario 2	3.51E-02	1.50E-04	--
9334	642936.2	4171148.9	Worker	Scenario 2	3.49E-02	1.48E-04	--
9335	643036.2	4171148.9	Worker	Scenario 2	3.45E-02	1.46E-04	--
9336	636836.2	4171248.9	Worker	Scenario 2	1.02E-02	5.62E-05	--
9337	636936.2	4171248.9	Worker	Scenario 2	1.10E-02	5.99E-05	--
9338	637036.2	4171248.9	Worker	Scenario 2	1.12E-02	6.15E-05	--
9339	637136.2	4171248.9	Worker	Scenario 2	1.15E-02	6.32E-05	--
9340	637236.2	4171248.9	Worker	Scenario 2	1.18E-02	6.53E-05	--
9341	637336.2	4171248.9	Worker	Scenario 2	1.17E-02	6.55E-05	--
9342	637436.2	4171248.9	Worker	Scenario 2	1.20E-02	6.75E-05	--
9343	637536.2	4171248.9	Worker	Scenario 2	1.23E-02	6.97E-05	--
9344	637636.2	4171248.9	Worker	Scenario 2	1.30E-02	7.34E-05	--
9345	637736.2	4171248.9	Worker	Scenario 2	1.33E-02	7.57E-05	--
9346	637836.2	4171248.9	Worker	Scenario 2	1.37E-02	7.84E-05	--
9347	637936.2	4171248.9	Worker	Scenario 2	1.43E-02	8.18E-05	--
9348	638336.2	4171248.9	Worker	Scenario 2	1.61E-02	9.32E-05	--
9349	638436.2	4171248.9	Worker	Scenario 2	1.66E-02	9.62E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9350	638536.2	4171248.9	Worker	Scenario 2	1.70E-02	9.90E-05	--
9351	638636.2	4171248.9	Worker	Scenario 2	1.75E-02	1.02E-04	--
9352	638736.2	4171248.9	Worker	Scenario 2	1.86E-02	1.06E-04	--
9353	638836.2	4171248.9	Worker	Scenario 2	1.80E-02	1.05E-04	--
9354	638936.2	4171248.9	Worker	Scenario 2	1.92E-02	1.10E-04	--
9355	639036.2	4171248.9	Worker	Scenario 2	1.91E-02	1.10E-04	--
9356	639136.2	4171248.9	Worker	Scenario 2	1.96E-02	1.13E-04	--
9357	639236.2	4171248.9	Worker	Scenario 2	2.02E-02	1.15E-04	--
9358	639336.2	4171248.9	Worker	Scenario 2	2.21E-02	1.22E-04	--
9359	639436.2	4171248.9	Worker	Scenario 2	2.19E-02	1.22E-04	--
9360	639536.2	4171248.9	Worker	Scenario 2	2.26E-02	1.24E-04	--
9361	639636.2	4171248.9	Worker	Scenario 2	2.38E-02	1.29E-04	--
9362	639736.2	4171248.9	Worker	Scenario 2	2.46E-02	1.32E-04	--
9363	639836.2	4171248.9	Worker	Scenario 2	2.52E-02	1.34E-04	--
9364	639936.2	4171248.9	Worker	Scenario 2	2.59E-02	1.37E-04	--
9365	640036.2	4171248.9	Worker	Scenario 2	2.66E-02	1.39E-04	--
9366	640136.2	4171248.9	Worker	Scenario 2	2.73E-02	1.42E-04	--
9367	640236.2	4171248.9	Worker	Scenario 2	2.79E-02	1.44E-04	--
9368	640336.2	4171248.9	Worker	Scenario 2	2.86E-02	1.47E-04	--
9369	640436.2	4171248.9	Worker	Scenario 2	2.92E-02	1.50E-04	--
9370	640536.2	4171248.9	Worker	Scenario 2	2.98E-02	1.53E-04	--
9371	640636.2	4171248.9	Worker	Scenario 2	3.03E-02	1.56E-04	--
9372	640736.2	4171248.9	Worker	Scenario 2	3.09E-02	1.58E-04	--
9373	640836.2	4171248.9	Worker	Scenario 2	3.14E-02	1.58E-04	--
9374	640936.2	4171248.9	Worker	Scenario 2	3.18E-02	1.57E-04	--
9375	641036.2	4171248.9	Worker	Scenario 2	3.22E-02	1.57E-04	--
9376	641136.2	4171248.9	Worker	Scenario 2	3.24E-02	1.57E-04	--
9377	641236.2	4171248.9	Worker	Scenario 2	3.27E-02	1.58E-04	--
9378	641336.2	4171248.9	Worker	Scenario 2	3.30E-02	1.59E-04	--
9379	641436.2	4171248.9	Worker	Scenario 2	3.32E-02	1.60E-04	--
9380	641536.2	4171248.9	Worker	Scenario 2	3.33E-02	1.59E-04	--
9381	641636.2	4171248.9	Worker	Scenario 2	3.35E-02	1.58E-04	--
9382	641736.2	4171248.9	Worker	Scenario 2	3.38E-02	1.58E-04	--
9383	641836.2	4171248.9	Worker	Scenario 2	3.42E-02	1.58E-04	--
9384	641936.2	4171248.9	Worker	Scenario 2	3.46E-02	1.58E-04	--
9385	642036.2	4171248.9	Worker	Scenario 2	3.51E-02	1.57E-04	--
9386	642136.2	4171248.9	Worker	Scenario 2	3.54E-02	1.56E-04	--
9387	642236.2	4171248.9	Worker	Scenario 2	3.55E-02	1.55E-04	--
9388	642336.2	4171248.9	Worker	Scenario 2	3.55E-02	1.53E-04	--
9389	642436.2	4171248.9	Worker	Scenario 2	3.53E-02	1.52E-04	--
9390	642536.2	4171248.9	Worker	Scenario 2	3.49E-02	1.50E-04	--
9391	642636.2	4171248.9	Worker	Scenario 2	3.45E-02	1.48E-04	--
9392	642736.2	4171248.9	Worker	Scenario 2	3.41E-02	1.46E-04	--
9393	642836.2	4171248.9	Worker	Scenario 2	3.37E-02	1.44E-04	--
9394	642936.2	4171248.9	Worker	Scenario 2	3.34E-02	1.42E-04	--
9395	636736.2	4171348.9	Worker	Scenario 2	9.95E-03	5.49E-05	--
9396	636836.2	4171348.9	Worker	Scenario 2	1.10E-02	5.92E-05	--
9397	636936.2	4171348.9	Worker	Scenario 2	1.10E-02	5.98E-05	--
9398	637036.2	4171348.9	Worker	Scenario 2	1.11E-02	6.12E-05	--
9399	637136.2	4171348.9	Worker	Scenario 2	1.14E-02	6.31E-05	--
9400	637236.2	4171348.9	Worker	Scenario 2	1.17E-02	6.48E-05	--
9401	637336.2	4171348.9	Worker	Scenario 2	1.16E-02	6.53E-05	--
9402	637436.2	4171348.9	Worker	Scenario 2	1.19E-02	6.75E-05	--
9403	637536.2	4171348.9	Worker	Scenario 2	1.28E-02	7.16E-05	--
9404	637636.2	4171348.9	Worker	Scenario 2	1.29E-02	7.33E-05	--
9405	637736.2	4171348.9	Worker	Scenario 2	1.38E-02	7.73E-05	--
9406	637836.2	4171348.9	Worker	Scenario 2	1.40E-02	7.95E-05	--
9407	638136.2	4171348.9	Worker	Scenario 2	1.51E-02	8.68E-05	--
9408	638236.2	4171348.9	Worker	Scenario 2	1.56E-02	8.96E-05	--
9409	638336.2	4171348.9	Worker	Scenario 2	1.62E-02	9.30E-05	--
9410	638436.2	4171348.9	Worker	Scenario 2	1.68E-02	9.59E-05	--
9411	638536.2	4171348.9	Worker	Scenario 2	1.69E-02	9.78E-05	--
9412	638636.2	4171348.9	Worker	Scenario 2	1.77E-02	1.01E-04	--
9413	638736.2	4171348.9	Worker	Scenario 2	1.83E-02	1.04E-04	--
9414	638836.2	4171348.9	Worker	Scenario 2	1.89E-02	1.07E-04	--
9415	638936.2	4171348.9	Worker	Scenario 2	1.91E-02	1.08E-04	--
9416	639036.2	4171348.9	Worker	Scenario 2	1.89E-02	1.08E-04	--
9417	639136.2	4171348.9	Worker	Scenario 2	1.94E-02	1.10E-04	--
9418	639236.2	4171348.9	Worker	Scenario 2	2.00E-02	1.12E-04	--
9419	639336.2	4171348.9	Worker	Scenario 2	2.17E-02	1.19E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9420	639436.2	4171348.9	Worker	Scenario 2	2.15E-02	1.18E-04	--
9421	639536.2	4171348.9	Worker	Scenario 2	2.21E-02	1.20E-04	--
9422	639636.2	4171348.9	Worker	Scenario 2	2.34E-02	1.25E-04	--
9423	639736.2	4171348.9	Worker	Scenario 2	2.41E-02	1.28E-04	--
9424	639836.2	4171348.9	Worker	Scenario 2	2.47E-02	1.30E-04	--
9425	639936.2	4171348.9	Worker	Scenario 2	2.53E-02	1.32E-04	--
9426	640036.2	4171348.9	Worker	Scenario 2	2.60E-02	1.34E-04	--
9427	640136.2	4171348.9	Worker	Scenario 2	2.66E-02	1.37E-04	--
9428	640236.2	4171348.9	Worker	Scenario 2	2.72E-02	1.39E-04	--
9429	640336.2	4171348.9	Worker	Scenario 2	2.77E-02	1.41E-04	--
9430	640436.2	4171348.9	Worker	Scenario 2	2.83E-02	1.44E-04	--
9431	640536.2	4171348.9	Worker	Scenario 2	2.88E-02	1.47E-04	--
9432	640636.2	4171348.9	Worker	Scenario 2	2.93E-02	1.50E-04	--
9433	640736.2	4171348.9	Worker	Scenario 2	2.98E-02	1.51E-04	--
9434	640836.2	4171348.9	Worker	Scenario 2	3.02E-02	1.51E-04	--
9435	640936.2	4171348.9	Worker	Scenario 2	3.06E-02	1.50E-04	--
9436	641036.2	4171348.9	Worker	Scenario 2	3.09E-02	1.50E-04	--
9437	641136.2	4171348.9	Worker	Scenario 2	3.11E-02	1.50E-04	--
9438	641236.2	4171348.9	Worker	Scenario 2	3.14E-02	1.51E-04	--
9439	641336.2	4171348.9	Worker	Scenario 2	3.16E-02	1.52E-04	--
9440	641436.2	4171348.9	Worker	Scenario 2	3.19E-02	1.53E-04	--
9441	641536.2	4171348.9	Worker	Scenario 2	3.20E-02	1.52E-04	--
9442	641636.2	4171348.9	Worker	Scenario 2	3.23E-02	1.52E-04	--
9443	641736.2	4171348.9	Worker	Scenario 2	3.26E-02	1.51E-04	--
9444	641836.2	4171348.9	Worker	Scenario 2	3.30E-02	1.51E-04	--
9445	641936.2	4171348.9	Worker	Scenario 2	3.35E-02	1.52E-04	--
9446	642036.2	4171348.9	Worker	Scenario 2	3.39E-02	1.51E-04	--
9447	642136.2	4171348.9	Worker	Scenario 2	3.40E-02	1.50E-04	--
9448	642236.2	4171348.9	Worker	Scenario 2	3.42E-02	1.49E-04	--
9449	642336.2	4171348.9	Worker	Scenario 2	3.41E-02	1.47E-04	--
9450	642436.2	4171348.9	Worker	Scenario 2	3.39E-02	1.45E-04	--
9451	642536.2	4171348.9	Worker	Scenario 2	3.35E-02	1.44E-04	--
9452	642636.2	4171348.9	Worker	Scenario 2	3.31E-02	1.42E-04	--
9453	642736.2	4171348.9	Worker	Scenario 2	3.28E-02	1.40E-04	--
9454	642836.2	4171348.9	Worker	Scenario 2	3.25E-02	1.38E-04	--
9455	636236.2	4171448.9	Worker	Scenario 2	8.72E-03	4.78E-05	--
9456	636636.2	4171448.9	Worker	Scenario 2	1.02E-02	5.52E-05	--
9457	636736.2	4171448.9	Worker	Scenario 2	1.08E-02	5.78E-05	--
9458	636836.2	4171448.9	Worker	Scenario 2	1.07E-02	5.84E-05	--
9459	636936.2	4171448.9	Worker	Scenario 2	1.10E-02	6.00E-05	--
9460	637036.2	4171448.9	Worker	Scenario 2	1.11E-02	6.10E-05	--
9461	637136.2	4171448.9	Worker	Scenario 2	1.15E-02	6.33E-05	--
9462	637236.2	4171448.9	Worker	Scenario 2	1.19E-02	6.58E-05	--
9463	637336.2	4171448.9	Worker	Scenario 2	1.19E-02	6.67E-05	--
9464	638036.2	4171448.9	Worker	Scenario 2	1.46E-02	8.36E-05	--
9465	638136.2	4171448.9	Worker	Scenario 2	1.49E-02	8.60E-05	--
9466	638236.2	4171448.9	Worker	Scenario 2	1.57E-02	8.95E-05	--
9467	638336.2	4171448.9	Worker	Scenario 2	1.62E-02	9.21E-05	--
9468	638436.2	4171448.9	Worker	Scenario 2	1.67E-02	9.49E-05	--
9469	638536.2	4171448.9	Worker	Scenario 2	1.72E-02	9.75E-05	--
9470	638636.2	4171448.9	Worker	Scenario 2	1.78E-02	1.00E-04	--
9471	638736.2	4171448.9	Worker	Scenario 2	1.82E-02	1.02E-04	--
9472	638836.2	4171448.9	Worker	Scenario 2	1.88E-02	1.05E-04	--
9473	638936.2	4171448.9	Worker	Scenario 2	1.93E-02	1.07E-04	--
9474	639036.2	4171448.9	Worker	Scenario 2	1.97E-02	1.09E-04	--
9475	639136.2	4171448.9	Worker	Scenario 2	2.02E-02	1.11E-04	--
9476	639236.2	4171448.9	Worker	Scenario 2	2.08E-02	1.13E-04	--
9477	639336.2	4171448.9	Worker	Scenario 2	2.14E-02	1.15E-04	--
9478	639436.2	4171448.9	Worker	Scenario 2	2.19E-02	1.17E-04	--
9479	639536.2	4171448.9	Worker	Scenario 2	2.24E-02	1.19E-04	--
9480	639636.2	4171448.9	Worker	Scenario 2	2.31E-02	1.22E-04	--
9481	639736.2	4171448.9	Worker	Scenario 2	2.36E-02	1.24E-04	--
9482	639836.2	4171448.9	Worker	Scenario 2	2.42E-02	1.26E-04	--
9483	639936.2	4171448.9	Worker	Scenario 2	2.48E-02	1.28E-04	--
9484	640036.2	4171448.9	Worker	Scenario 2	2.53E-02	1.30E-04	--
9485	640136.2	4171448.9	Worker	Scenario 2	2.59E-02	1.32E-04	--
9486	640236.2	4171448.9	Worker	Scenario 2	2.64E-02	1.34E-04	--
9487	640336.2	4171448.9	Worker	Scenario 2	2.69E-02	1.36E-04	--
9488	640436.2	4171448.9	Worker	Scenario 2	2.74E-02	1.39E-04	--
9489	640536.2	4171448.9	Worker	Scenario 2	2.79E-02	1.42E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9490	640636.2	4171448.9	Worker	Scenario 2	2.83E-02	1.44E-04	--
9491	640736.2	4171448.9	Worker	Scenario 2	2.88E-02	1.45E-04	--
9492	640836.2	4171448.9	Worker	Scenario 2	2.92E-02	1.44E-04	--
9493	640936.2	4171448.9	Worker	Scenario 2	2.95E-02	1.44E-04	--
9494	641036.2	4171448.9	Worker	Scenario 2	2.98E-02	1.43E-04	--
9495	641136.2	4171448.9	Worker	Scenario 2	2.99E-02	1.44E-04	--
9496	641236.2	4171448.9	Worker	Scenario 2	3.02E-02	1.45E-04	--
9497	641336.2	4171448.9	Worker	Scenario 2	3.04E-02	1.46E-04	--
9498	641436.2	4171448.9	Worker	Scenario 2	3.06E-02	1.46E-04	--
9499	641536.2	4171448.9	Worker	Scenario 2	3.08E-02	1.46E-04	--
9500	641636.2	4171448.9	Worker	Scenario 2	3.11E-02	1.45E-04	--
9501	641736.2	4171448.9	Worker	Scenario 2	3.15E-02	1.45E-04	--
9502	641836.2	4171448.9	Worker	Scenario 2	3.19E-02	1.45E-04	--
9503	641936.2	4171448.9	Worker	Scenario 2	3.23E-02	1.46E-04	--
9504	642036.2	4171448.9	Worker	Scenario 2	3.27E-02	1.46E-04	--
9505	642136.2	4171448.9	Worker	Scenario 2	3.30E-02	1.45E-04	--
9506	642236.2	4171448.9	Worker	Scenario 2	3.30E-02	1.44E-04	--
9507	642336.2	4171448.9	Worker	Scenario 2	3.29E-02	1.42E-04	--
9508	642436.2	4171448.9	Worker	Scenario 2	3.26E-02	1.40E-04	--
9509	642536.2	4171448.9	Worker	Scenario 2	3.22E-02	1.38E-04	--
9510	642636.2	4171448.9	Worker	Scenario 2	3.19E-02	1.36E-04	--
9511	636536.2	4171548.9	Worker	Scenario 2	1.03E-02	5.49E-05	--
9512	636636.2	4171548.9	Worker	Scenario 2	1.05E-02	5.64E-05	--
9513	636736.2	4171548.9	Worker	Scenario 2	1.07E-02	5.78E-05	--
9514	636836.2	4171548.9	Worker	Scenario 2	1.10E-02	5.93E-05	--
9515	636936.2	4171548.9	Worker	Scenario 2	1.10E-02	6.03E-05	--
9516	637036.2	4171548.9	Worker	Scenario 2	1.14E-02	6.25E-05	--
9517	637136.2	4171548.9	Worker	Scenario 2	1.14E-02	6.33E-05	--
9518	637236.2	4171548.9	Worker	Scenario 2	1.16E-02	6.48E-05	--
9519	637936.2	4171548.9	Worker	Scenario 2	1.41E-02	8.08E-05	--
9520	638036.2	4171548.9	Worker	Scenario 2	1.46E-02	8.33E-05	--
9521	638136.2	4171548.9	Worker	Scenario 2	1.46E-02	8.42E-05	--
9522	638236.2	4171548.9	Worker	Scenario 2	1.57E-02	8.87E-05	--
9523	638336.2	4171548.9	Worker	Scenario 2	1.62E-02	9.13E-05	--
9524	638436.2	4171548.9	Worker	Scenario 2	1.66E-02	9.37E-05	--
9525	638536.2	4171548.9	Worker	Scenario 2	1.60E-02	9.20E-05	--
9526	638636.2	4171548.9	Worker	Scenario 2	1.74E-02	9.78E-05	--
9527	638736.2	4171548.9	Worker	Scenario 2	1.81E-02	1.01E-04	--
9528	638836.2	4171548.9	Worker	Scenario 2	1.85E-02	1.02E-04	--
9529	638936.2	4171548.9	Worker	Scenario 2	1.90E-02	1.04E-04	--
9530	639036.2	4171548.9	Worker	Scenario 2	1.94E-02	1.06E-04	--
9531	639136.2	4171548.9	Worker	Scenario 2	1.99E-02	1.08E-04	--
9532	639236.2	4171548.9	Worker	Scenario 2	2.03E-02	1.09E-04	--
9533	639336.2	4171548.9	Worker	Scenario 2	2.11E-02	1.12E-04	--
9534	639436.2	4171548.9	Worker	Scenario 2	2.16E-02	1.14E-04	--
9535	639536.2	4171548.9	Worker	Scenario 2	2.21E-02	1.16E-04	--
9536	639636.2	4171548.9	Worker	Scenario 2	2.26E-02	1.18E-04	--
9537	639736.2	4171548.9	Worker	Scenario 2	2.32E-02	1.20E-04	--
9538	639836.2	4171548.9	Worker	Scenario 2	2.37E-02	1.22E-04	--
9539	639936.2	4171548.9	Worker	Scenario 2	2.42E-02	1.24E-04	--
9540	640036.2	4171548.9	Worker	Scenario 2	2.47E-02	1.25E-04	--
9541	640136.2	4171548.9	Worker	Scenario 2	2.52E-02	1.27E-04	--
9542	640236.2	4171548.9	Worker	Scenario 2	2.57E-02	1.29E-04	--
9543	640336.2	4171548.9	Worker	Scenario 2	2.61E-02	1.32E-04	--
9544	640436.2	4171548.9	Worker	Scenario 2	2.66E-02	1.34E-04	--
9545	640536.2	4171548.9	Worker	Scenario 2	2.70E-02	1.37E-04	--
9546	640636.2	4171548.9	Worker	Scenario 2	2.74E-02	1.38E-04	--
9547	640736.2	4171548.9	Worker	Scenario 2	2.78E-02	1.39E-04	--
9548	640836.2	4171548.9	Worker	Scenario 2	2.82E-02	1.38E-04	--
9549	640936.2	4171548.9	Worker	Scenario 2	2.85E-02	1.38E-04	--
9550	641036.2	4171548.9	Worker	Scenario 2	2.87E-02	1.38E-04	--
9551	641136.2	4171548.9	Worker	Scenario 2	2.88E-02	1.38E-04	--
9552	641236.2	4171548.9	Worker	Scenario 2	2.91E-02	1.39E-04	--
9553	641336.2	4171548.9	Worker	Scenario 2	2.92E-02	1.40E-04	--
9554	641436.2	4171548.9	Worker	Scenario 2	2.95E-02	1.40E-04	--
9555	641536.2	4171548.9	Worker	Scenario 2	2.97E-02	1.40E-04	--
9556	641636.2	4171548.9	Worker	Scenario 2	3.00E-02	1.40E-04	--
9557	641736.2	4171548.9	Worker	Scenario 2	3.04E-02	1.40E-04	--
9558	641836.2	4171548.9	Worker	Scenario 2	3.09E-02	1.40E-04	--
9559	641936.2	4171548.9	Worker	Scenario 2	3.13E-02	1.40E-04	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9560	642036.2	4171548.9	Worker	Scenario 2	3.16E-02	1.40E-04	--
9561	642136.2	4171548.9	Worker	Scenario 2	3.18E-02	1.40E-04	--
9562	642236.2	4171548.9	Worker	Scenario 2	3.18E-02	1.38E-04	--
9563	642336.2	4171548.9	Worker	Scenario 2	3.17E-02	1.37E-04	--
9564	642436.2	4171548.9	Worker	Scenario 2	3.15E-02	1.35E-04	--
9565	642536.2	4171548.9	Worker	Scenario 2	3.12E-02	1.33E-04	--
9566	636336.2	4171648.9	Worker	Scenario 2	9.11E-03	4.98E-05	--
9567	636536.2	4171648.9	Worker	Scenario 2	1.02E-02	5.48E-05	--
9568	636636.2	4171648.9	Worker	Scenario 2	1.05E-02	5.63E-05	--
9569	636736.2	4171648.9	Worker	Scenario 2	1.06E-02	5.76E-05	--
9570	636836.2	4171648.9	Worker	Scenario 2	1.09E-02	5.93E-05	--
9571	636936.2	4171648.9	Worker	Scenario 2	1.11E-02	6.08E-05	--
9572	637036.2	4171648.9	Worker	Scenario 2	1.12E-02	6.16E-05	--
9573	637136.2	4171648.9	Worker	Scenario 2	1.14E-02	6.34E-05	--
9574	637236.2	4171648.9	Worker	Scenario 2	1.15E-02	6.48E-05	--
9575	637536.2	4171648.9	Worker	Scenario 2	1.24E-02	7.08E-05	--
9576	637636.2	4171648.9	Worker	Scenario 2	1.29E-02	7.33E-05	--
9577	637736.2	4171648.9	Worker	Scenario 2	1.33E-02	7.56E-05	--
9578	637836.2	4171648.9	Worker	Scenario 2	1.37E-02	7.81E-05	--
9579	637936.2	4171648.9	Worker	Scenario 2	1.42E-02	8.05E-05	--
9580	638036.2	4171648.9	Worker	Scenario 2	1.46E-02	8.29E-05	--
9581	638136.2	4171648.9	Worker	Scenario 2	1.44E-02	8.27E-05	--
9582	638236.2	4171648.9	Worker	Scenario 2	1.48E-02	8.50E-05	--
9583	638336.2	4171648.9	Worker	Scenario 2	1.60E-02	8.98E-05	--
9584	638436.2	4171648.9	Worker	Scenario 2	1.64E-02	9.19E-05	--
9585	638536.2	4171648.9	Worker	Scenario 2	1.59E-02	9.05E-05	--
9586	638636.2	4171648.9	Worker	Scenario 2	1.66E-02	9.33E-05	--
9587	638736.2	4171648.9	Worker	Scenario 2	1.69E-02	9.47E-05	--
9588	638836.2	4171648.9	Worker	Scenario 2	1.83E-02	9.98E-05	--
9589	638936.2	4171648.9	Worker	Scenario 2	1.87E-02	1.01E-04	--
9590	639036.2	4171648.9	Worker	Scenario 2	1.92E-02	1.03E-04	--
9591	639136.2	4171648.9	Worker	Scenario 2	1.98E-02	1.05E-04	--
9592	639236.2	4171648.9	Worker	Scenario 2	2.03E-02	1.07E-04	--
9593	639336.2	4171648.9	Worker	Scenario 2	2.07E-02	1.09E-04	--
9594	639436.2	4171648.9	Worker	Scenario 2	2.12E-02	1.11E-04	--
9595	639536.2	4171648.9	Worker	Scenario 2	2.17E-02	1.13E-04	--
9596	639636.2	4171648.9	Worker	Scenario 2	2.22E-02	1.14E-04	--
9597	639736.2	4171648.9	Worker	Scenario 2	2.27E-02	1.16E-04	--
9598	639836.2	4171648.9	Worker	Scenario 2	2.31E-02	1.18E-04	--
9599	639936.2	4171648.9	Worker	Scenario 2	2.36E-02	1.20E-04	--
9600	640036.2	4171648.9	Worker	Scenario 2	2.41E-02	1.21E-04	--
9601	640136.2	4171648.9	Worker	Scenario 2	2.45E-02	1.23E-04	--
9602	640236.2	4171648.9	Worker	Scenario 2	2.50E-02	1.25E-04	--
9603	640336.2	4171648.9	Worker	Scenario 2	2.54E-02	1.27E-04	--
9604	640436.2	4171648.9	Worker	Scenario 2	2.58E-02	1.30E-04	--
9605	640536.2	4171648.9	Worker	Scenario 2	2.62E-02	1.32E-04	--
9606	640636.2	4171648.9	Worker	Scenario 2	2.66E-02	1.33E-04	--
9607	640736.2	4171648.9	Worker	Scenario 2	2.69E-02	1.33E-04	--
9608	640836.2	4171648.9	Worker	Scenario 2	2.72E-02	1.33E-04	--
9609	640936.2	4171648.9	Worker	Scenario 2	2.75E-02	1.32E-04	--
9610	641036.2	4171648.9	Worker	Scenario 2	2.76E-02	1.32E-04	--
9611	641136.2	4171648.9	Worker	Scenario 2	2.78E-02	1.33E-04	--
9612	641236.2	4171648.9	Worker	Scenario 2	2.80E-02	1.34E-04	--
9613	641336.2	4171648.9	Worker	Scenario 2	2.82E-02	1.34E-04	--
9614	641436.2	4171648.9	Worker	Scenario 2	2.85E-02	1.35E-04	--
9615	641536.2	4171648.9	Worker	Scenario 2	2.87E-02	1.34E-04	--
9616	641636.2	4171648.9	Worker	Scenario 2	2.90E-02	1.34E-04	--
9617	641736.2	4171648.9	Worker	Scenario 2	2.94E-02	1.34E-04	--
9618	641836.2	4171648.9	Worker	Scenario 2	2.99E-02	1.35E-04	--
9619	641936.2	4171648.9	Worker	Scenario 2	3.03E-02	1.35E-04	--
9620	642036.2	4171648.9	Worker	Scenario 2	3.05E-02	1.35E-04	--
9621	642136.2	4171648.9	Worker	Scenario 2	3.07E-02	1.35E-04	--
9622	642236.2	4171648.9	Worker	Scenario 2	3.07E-02	1.34E-04	--
9623	642336.2	4171648.9	Worker	Scenario 2	3.06E-02	1.32E-04	--
9624	636336.2	4171748.9	Worker	Scenario 2	9.17E-03	5.01E-05	--
9625	636536.2	4171748.9	Worker	Scenario 2	1.02E-02	5.47E-05	--
9626	636636.2	4171748.9	Worker	Scenario 2	1.04E-02	5.61E-05	--
9627	636736.2	4171748.9	Worker	Scenario 2	1.06E-02	5.75E-05	--
9628	636836.2	4171748.9	Worker	Scenario 2	1.09E-02	5.92E-05	--
9629	636936.2	4171748.9	Worker	Scenario 2	1.11E-02	6.06E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9630	637036.2	4171748.9	Worker	Scenario 2	1.13E-02	6.21E-05	--
9631	637136.2	4171748.9	Worker	Scenario 2	1.14E-02	6.34E-05	--
9632	637336.2	4171748.9	Worker	Scenario 2	1.19E-02	6.69E-05	--
9633	637436.2	4171748.9	Worker	Scenario 2	1.21E-02	6.86E-05	--
9634	637536.2	4171748.9	Worker	Scenario 2	1.25E-02	7.10E-05	--
9635	637636.2	4171748.9	Worker	Scenario 2	1.29E-02	7.31E-05	--
9636	637736.2	4171748.9	Worker	Scenario 2	1.32E-02	7.53E-05	--
9637	637836.2	4171748.9	Worker	Scenario 2	1.37E-02	7.77E-05	--
9638	637936.2	4171748.9	Worker	Scenario 2	1.42E-02	8.02E-05	--
9639	638036.2	4171748.9	Worker	Scenario 2	1.47E-02	8.25E-05	--
9640	638136.2	4171748.9	Worker	Scenario 2	1.43E-02	8.17E-05	--
9641	638236.2	4171748.9	Worker	Scenario 2	1.47E-02	8.39E-05	--
9642	638336.2	4171748.9	Worker	Scenario 2	1.51E-02	8.59E-05	--
9643	638436.2	4171748.9	Worker	Scenario 2	1.63E-02	9.03E-05	--
9644	638536.2	4171748.9	Worker	Scenario 2	1.63E-02	9.07E-05	--
9645	638636.2	4171748.9	Worker	Scenario 2	1.64E-02	9.14E-05	--
9646	638736.2	4171748.9	Worker	Scenario 2	1.68E-02	9.28E-05	--
9647	638836.2	4171748.9	Worker	Scenario 2	1.81E-02	9.76E-05	--
9648	638936.2	4171748.9	Worker	Scenario 2	1.81E-02	9.78E-05	--
9649	639036.2	4171748.9	Worker	Scenario 2	1.83E-02	9.85E-05	--
9650	639136.2	4171748.9	Worker	Scenario 2	1.89E-02	1.01E-04	--
9651	639236.2	4171748.9	Worker	Scenario 2	1.91E-02	1.01E-04	--
9652	639336.2	4171748.9	Worker	Scenario 2	2.03E-02	1.06E-04	--
9653	639436.2	4171748.9	Worker	Scenario 2	2.07E-02	1.07E-04	--
9654	639536.2	4171748.9	Worker	Scenario 2	2.11E-02	1.09E-04	--
9655	639636.2	4171748.9	Worker	Scenario 2	2.17E-02	1.11E-04	--
9656	639736.2	4171748.9	Worker	Scenario 2	2.22E-02	1.13E-04	--
9657	639836.2	4171748.9	Worker	Scenario 2	2.25E-02	1.14E-04	--
9658	639936.2	4171748.9	Worker	Scenario 2	2.29E-02	1.15E-04	--
9659	640036.2	4171748.9	Worker	Scenario 2	2.33E-02	1.17E-04	--
9660	640136.2	4171748.9	Worker	Scenario 2	2.36E-02	1.18E-04	--
9661	640236.2	4171748.9	Worker	Scenario 2	2.39E-02	1.19E-04	--
9662	640336.2	4171748.9	Worker	Scenario 2	2.42E-02	1.22E-04	--
9663	640436.2	4171748.9	Worker	Scenario 2	2.51E-02	1.26E-04	--
9664	640536.2	4171748.9	Worker	Scenario 2	2.54E-02	1.27E-04	--
9665	640636.2	4171748.9	Worker	Scenario 2	2.57E-02	1.28E-04	--
9666	640736.2	4171748.9	Worker	Scenario 2	2.61E-02	1.28E-04	--
9667	640836.2	4171748.9	Worker	Scenario 2	2.63E-02	1.28E-04	--
9668	640936.2	4171748.9	Worker	Scenario 2	2.65E-02	1.27E-04	--
9669	641036.2	4171748.9	Worker	Scenario 2	2.67E-02	1.27E-04	--
9670	641136.2	4171748.9	Worker	Scenario 2	2.68E-02	1.27E-04	--
9671	641236.2	4171748.9	Worker	Scenario 2	2.70E-02	1.28E-04	--
9672	641336.2	4171748.9	Worker	Scenario 2	2.72E-02	1.29E-04	--
9673	641436.2	4171748.9	Worker	Scenario 2	2.75E-02	1.29E-04	--
9674	641536.2	4171748.9	Worker	Scenario 2	2.78E-02	1.29E-04	--
9675	641636.2	4171748.9	Worker	Scenario 2	2.81E-02	1.29E-04	--
9676	641736.2	4171748.9	Worker	Scenario 2	2.85E-02	1.30E-04	--
9677	641836.2	4171748.9	Worker	Scenario 2	2.90E-02	1.30E-04	--
9678	641936.2	4171748.9	Worker	Scenario 2	2.93E-02	1.30E-04	--
9679	642036.2	4171748.9	Worker	Scenario 2	2.96E-02	1.30E-04	--
9680	636536.2	4171848.9	Worker	Scenario 2	1.02E-02	5.47E-05	--
9681	636636.2	4171848.9	Worker	Scenario 2	1.04E-02	5.61E-05	--
9682	636736.2	4171848.9	Worker	Scenario 2	1.05E-02	5.72E-05	--
9683	636836.2	4171848.9	Worker	Scenario 2	1.07E-02	5.88E-05	--
9684	636936.2	4171848.9	Worker	Scenario 2	1.11E-02	6.08E-05	--
9685	637036.2	4171848.9	Worker	Scenario 2	1.09E-02	6.12E-05	--
9686	637236.2	4171848.9	Worker	Scenario 2	1.15E-02	6.50E-05	--
9687	637336.2	4171848.9	Worker	Scenario 2	1.19E-02	6.70E-05	--
9688	637436.2	4171848.9	Worker	Scenario 2	1.22E-02	6.90E-05	--
9689	637536.2	4171848.9	Worker	Scenario 2	1.25E-02	7.10E-05	--
9690	637636.2	4171848.9	Worker	Scenario 2	1.29E-02	7.30E-05	--
9691	637736.2	4171848.9	Worker	Scenario 2	1.33E-02	7.52E-05	--
9692	637836.2	4171848.9	Worker	Scenario 2	1.39E-02	7.77E-05	--
9693	637936.2	4171848.9	Worker	Scenario 2	1.43E-02	7.98E-05	--
9694	638036.2	4171848.9	Worker	Scenario 2	1.46E-02	8.17E-05	--
9695	638136.2	4171848.9	Worker	Scenario 2	1.42E-02	8.07E-05	--
9696	638236.2	4171848.9	Worker	Scenario 2	1.47E-02	8.29E-05	--
9697	638336.2	4171848.9	Worker	Scenario 2	1.52E-02	8.50E-05	--
9698	638436.2	4171848.9	Worker	Scenario 2	1.55E-02	8.65E-05	--
9699	638536.2	4171848.9	Worker	Scenario 2	1.65E-02	9.01E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9700	638636.2	4171848.9	Worker	Scenario 2	1.65E-02	9.04E-05	--
9701	638736.2	4171848.9	Worker	Scenario 2	1.68E-02	9.12E-05	--
9702	638836.2	4171848.9	Worker	Scenario 2	1.79E-02	9.53E-05	--
9703	638936.2	4171848.9	Worker	Scenario 2	1.81E-02	9.60E-05	--
9704	639036.2	4171848.9	Worker	Scenario 2	1.83E-02	9.68E-05	--
9705	639136.2	4171848.9	Worker	Scenario 2	1.86E-02	9.79E-05	--
9706	639236.2	4171848.9	Worker	Scenario 2	1.89E-02	9.89E-05	--
9707	639336.2	4171848.9	Worker	Scenario 2	1.97E-02	1.02E-04	--
9708	639436.2	4171848.9	Worker	Scenario 2	2.02E-02	1.04E-04	--
9709	639536.2	4171848.9	Worker	Scenario 2	2.07E-02	1.06E-04	--
9710	639636.2	4171848.9	Worker	Scenario 2	2.13E-02	1.08E-04	--
9711	639736.2	4171848.9	Worker	Scenario 2	2.17E-02	1.09E-04	--
9712	639836.2	4171848.9	Worker	Scenario 2	2.13E-02	1.08E-04	--
9713	639936.2	4171848.9	Worker	Scenario 2	2.17E-02	1.09E-04	--
9714	640036.2	4171848.9	Worker	Scenario 2	2.21E-02	1.11E-04	--
9715	640136.2	4171848.9	Worker	Scenario 2	2.25E-02	1.12E-04	--
9716	640236.2	4171848.9	Worker	Scenario 2	2.29E-02	1.14E-04	--
9717	640336.2	4171848.9	Worker	Scenario 2	2.32E-02	1.17E-04	--
9718	640436.2	4171848.9	Worker	Scenario 2	2.43E-02	1.22E-04	--
9719	640536.2	4171848.9	Worker	Scenario 2	2.46E-02	1.23E-04	--
9720	640636.2	4171848.9	Worker	Scenario 2	2.50E-02	1.24E-04	--
9721	640736.2	4171848.9	Worker	Scenario 2	2.53E-02	1.23E-04	--
9722	640836.2	4171848.9	Worker	Scenario 2	2.55E-02	1.23E-04	--
9723	640936.2	4171848.9	Worker	Scenario 2	2.56E-02	1.22E-04	--
9724	641036.2	4171848.9	Worker	Scenario 2	2.58E-02	1.22E-04	--
9725	641136.2	4171848.9	Worker	Scenario 2	2.59E-02	1.23E-04	--
9726	641236.2	4171848.9	Worker	Scenario 2	2.61E-02	1.24E-04	--
9727	641336.2	4171848.9	Worker	Scenario 2	2.63E-02	1.24E-04	--
9728	641436.2	4171848.9	Worker	Scenario 2	2.65E-02	1.25E-04	--
9729	641536.2	4171848.9	Worker	Scenario 2	2.69E-02	1.25E-04	--
9730	641636.2	4171848.9	Worker	Scenario 2	2.72E-02	1.25E-04	--
9731	636536.2	4171948.9	Worker	Scenario 2	1.01E-02	5.46E-05	--
9732	636636.2	4171948.9	Worker	Scenario 2	1.02E-02	5.57E-05	--
9733	636736.2	4171948.9	Worker	Scenario 2	1.04E-02	5.70E-05	--
9734	636836.2	4171948.9	Worker	Scenario 2	1.07E-02	5.88E-05	--
9735	636936.2	4171948.9	Worker	Scenario 2	1.07E-02	5.96E-05	--
9736	637236.2	4171948.9	Worker	Scenario 2	1.16E-02	6.52E-05	--
9737	637336.2	4171948.9	Worker	Scenario 2	1.19E-02	6.70E-05	--
9738	637436.2	4171948.9	Worker	Scenario 2	1.22E-02	6.89E-05	--
9739	637536.2	4171948.9	Worker	Scenario 2	1.26E-02	7.09E-05	--
9740	637636.2	4171948.9	Worker	Scenario 2	1.30E-02	7.29E-05	--
9741	637736.2	4171948.9	Worker	Scenario 2	1.34E-02	7.51E-05	--
9742	637836.2	4171948.9	Worker	Scenario 2	1.38E-02	7.70E-05	--
9743	637936.2	4171948.9	Worker	Scenario 2	1.42E-02	7.90E-05	--
9744	638136.2	4171948.9	Worker	Scenario 2	1.41E-02	7.96E-05	--
9745	638236.2	4171948.9	Worker	Scenario 2	1.46E-02	8.15E-05	--
9746	638336.2	4171948.9	Worker	Scenario 2	1.51E-02	8.35E-05	--
9747	638436.2	4171948.9	Worker	Scenario 2	1.55E-02	8.53E-05	--
9748	638536.2	4171948.9	Worker	Scenario 2	1.58E-02	8.63E-05	--
9749	638636.2	4171948.9	Worker	Scenario 2	1.64E-02	8.87E-05	--
9750	638736.2	4171948.9	Worker	Scenario 2	1.69E-02	9.03E-05	--
9751	638836.2	4171948.9	Worker	Scenario 2	1.76E-02	9.29E-05	--
9752	638936.2	4171948.9	Worker	Scenario 2	1.75E-02	9.24E-05	--
9753	639036.2	4171948.9	Worker	Scenario 2	1.75E-02	9.24E-05	--
9754	639136.2	4171948.9	Worker	Scenario 2	1.79E-02	9.38E-05	--
9755	639236.2	4171948.9	Worker	Scenario 2	1.86E-02	9.65E-05	--
9756	639336.2	4171948.9	Worker	Scenario 2	1.94E-02	9.93E-05	--
9757	639436.2	4171948.9	Worker	Scenario 2	1.98E-02	1.01E-04	--
9758	639536.2	4171948.9	Worker	Scenario 2	2.02E-02	1.02E-04	--
9759	639636.2	4171948.9	Worker	Scenario 2	2.09E-02	1.05E-04	--
9760	639736.2	4171948.9	Worker	Scenario 2	2.12E-02	1.06E-04	--
9761	639836.2	4171948.9	Worker	Scenario 2	2.08E-02	1.05E-04	--
9762	639936.2	4171948.9	Worker	Scenario 2	2.12E-02	1.06E-04	--
9763	640036.2	4171948.9	Worker	Scenario 2	2.16E-02	1.07E-04	--
9764	640136.2	4171948.9	Worker	Scenario 2	2.19E-02	1.09E-04	--
9765	640236.2	4171948.9	Worker	Scenario 2	2.23E-02	1.11E-04	--
9766	640336.2	4171948.9	Worker	Scenario 2	2.26E-02	1.13E-04	--
9767	636736.2	4172048.9	Worker	Scenario 2	1.03E-02	5.68E-05	--
9768	636836.2	4172048.9	Worker	Scenario 2	1.08E-02	5.93E-05	--
9769	637236.2	4172048.9	Worker	Scenario 2	1.17E-02	6.53E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9770	637336.2	4172048.9	Worker	Scenario 2	1.20E-02	6.71E-05	--
9771	637436.2	4172048.9	Worker	Scenario 2	1.23E-02	6.89E-05	--
9772	637536.2	4172048.9	Worker	Scenario 2	1.26E-02	7.07E-05	--
9773	637636.2	4172048.9	Worker	Scenario 2	1.30E-02	7.27E-05	--
9774	637736.2	4172048.9	Worker	Scenario 2	1.34E-02	7.45E-05	--
9775	637836.2	4172048.9	Worker	Scenario 2	1.38E-02	7.63E-05	--
9776	637936.2	4172048.9	Worker	Scenario 2	1.41E-02	7.80E-05	--
9777	638136.2	4172048.9	Worker	Scenario 2	1.40E-02	7.84E-05	--
9778	638236.2	4172048.9	Worker	Scenario 2	1.45E-02	8.01E-05	--
9779	638336.2	4172048.9	Worker	Scenario 2	1.49E-02	8.19E-05	--
9780	638436.2	4172048.9	Worker	Scenario 2	1.53E-02	8.35E-05	--
9781	638536.2	4172048.9	Worker	Scenario 2	1.57E-02	8.47E-05	--
9782	638636.2	4172048.9	Worker	Scenario 2	1.61E-02	8.60E-05	--
9783	638736.2	4172048.9	Worker	Scenario 2	1.65E-02	8.74E-05	--
9784	638836.2	4172048.9	Worker	Scenario 2	1.73E-02	9.05E-05	--
9785	638936.2	4172048.9	Worker	Scenario 2	1.67E-02	8.82E-05	--
9786	639036.2	4172048.9	Worker	Scenario 2	1.77E-02	9.17E-05	--
9787	639136.2	4172048.9	Worker	Scenario 2	1.76E-02	9.15E-05	--
9788	639236.2	4172048.9	Worker	Scenario 2	1.89E-02	9.63E-05	--
9789	639336.2	4172048.9	Worker	Scenario 2	1.90E-02	9.66E-05	--
9790	639436.2	4172048.9	Worker	Scenario 2	1.94E-02	9.80E-05	--
9791	639536.2	4172048.9	Worker	Scenario 2	1.98E-02	9.95E-05	--
9792	639636.2	4172048.9	Worker	Scenario 2	2.04E-02	1.02E-04	--
9793	639736.2	4172048.9	Worker	Scenario 2	2.08E-02	1.03E-04	--
9794	639836.2	4172048.9	Worker	Scenario 2	2.04E-02	1.01E-04	--
9795	639936.2	4172048.9	Worker	Scenario 2	2.07E-02	1.03E-04	--
9796	640036.2	4172048.9	Worker	Scenario 2	2.10E-02	1.04E-04	--
9797	640136.2	4172048.9	Worker	Scenario 2	2.14E-02	1.06E-04	--
9798	637136.2	4172148.9	Worker	Scenario 2	1.15E-02	6.38E-05	--
9799	637236.2	4172148.9	Worker	Scenario 2	1.18E-02	6.56E-05	--
9800	637336.2	4172148.9	Worker	Scenario 2	1.19E-02	6.68E-05	--
9801	637436.2	4172148.9	Worker	Scenario 2	1.24E-02	6.89E-05	--
9802	637536.2	4172148.9	Worker	Scenario 2	1.27E-02	7.05E-05	--
9803	637636.2	4172148.9	Worker	Scenario 2	1.30E-02	7.22E-05	--
9804	637736.2	4172148.9	Worker	Scenario 2	1.33E-02	7.39E-05	--
9805	637836.2	4172148.9	Worker	Scenario 2	1.36E-02	7.54E-05	--
9806	637936.2	4172148.9	Worker	Scenario 2	1.40E-02	7.69E-05	--
9807	638136.2	4172148.9	Worker	Scenario 2	1.39E-02	7.69E-05	--
9808	638236.2	4172148.9	Worker	Scenario 2	1.43E-02	7.85E-05	--
9809	638336.2	4172148.9	Worker	Scenario 2	1.48E-02	8.01E-05	--
9810	638436.2	4172148.9	Worker	Scenario 2	1.52E-02	8.17E-05	--
9811	638536.2	4172148.9	Worker	Scenario 2	1.56E-02	8.31E-05	--
9812	638636.2	4172148.9	Worker	Scenario 2	1.60E-02	8.44E-05	--
9813	638736.2	4172148.9	Worker	Scenario 2	1.64E-02	8.59E-05	--
9814	638836.2	4172148.9	Worker	Scenario 2	1.70E-02	8.79E-05	--
9815	638936.2	4172148.9	Worker	Scenario 2	1.74E-02	8.96E-05	--
9816	639036.2	4172148.9	Worker	Scenario 2	1.70E-02	8.80E-05	--
9817	639136.2	4172148.9	Worker	Scenario 2	1.80E-02	9.16E-05	--
9818	639236.2	4172148.9	Worker	Scenario 2	1.83E-02	9.27E-05	--
9819	639336.2	4172148.9	Worker	Scenario 2	1.86E-02	9.41E-05	--
9820	639436.2	4172148.9	Worker	Scenario 2	1.90E-02	9.53E-05	--
9821	639536.2	4172148.9	Worker	Scenario 2	1.93E-02	9.66E-05	--
9822	639636.2	4172148.9	Worker	Scenario 2	2.00E-02	9.89E-05	--
9823	639736.2	4172148.9	Worker	Scenario 2	2.03E-02	9.99E-05	--
9824	639836.2	4172148.9	Worker	Scenario 2	1.99E-02	9.84E-05	--
9825	639936.2	4172148.9	Worker	Scenario 2	2.02E-02	9.96E-05	--
9826	640036.2	4172148.9	Worker	Scenario 2	2.05E-02	1.01E-04	--
9827	637036.2	4172248.9	Worker	Scenario 2	1.11E-02	6.18E-05	--
9828	637136.2	4172248.9	Worker	Scenario 2	1.15E-02	6.37E-05	--
9829	637236.2	4172248.9	Worker	Scenario 2	1.18E-02	6.52E-05	--
9830	637336.2	4172248.9	Worker	Scenario 2	1.20E-02	6.68E-05	--
9831	637436.2	4172248.9	Worker	Scenario 2	1.23E-02	6.84E-05	--
9832	637536.2	4172248.9	Worker	Scenario 2	1.27E-02	7.00E-05	--
9833	637636.2	4172248.9	Worker	Scenario 2	1.30E-02	7.15E-05	--
9834	637736.2	4172248.9	Worker	Scenario 2	1.33E-02	7.30E-05	--
9835	637836.2	4172248.9	Worker	Scenario 2	1.36E-02	7.44E-05	--
9836	637936.2	4172248.9	Worker	Scenario 2	1.39E-02	7.57E-05	--
9837	638136.2	4172248.9	Worker	Scenario 2	1.38E-02	7.55E-05	--
9838	638236.2	4172248.9	Worker	Scenario 2	1.42E-02	7.71E-05	--
9839	638336.2	4172248.9	Worker	Scenario 2	1.46E-02	7.85E-05	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9840	638436.2	4172248.9	Worker	Scenario 2	1.50E-02	8.00E-05	--
9841	638536.2	4172248.9	Worker	Scenario 2	1.54E-02	8.14E-05	--
9842	638636.2	4172248.9	Worker	Scenario 2	1.61E-02	8.37E-05	--
9843	638736.2	4172248.9	Worker	Scenario 2	1.61E-02	8.35E-05	--
9844	638836.2	4172248.9	Worker	Scenario 2	1.64E-02	8.49E-05	--
9845	638936.2	4172248.9	Worker	Scenario 2	1.69E-02	8.67E-05	--
9846	639036.2	4172248.9	Worker	Scenario 2	1.76E-02	8.89E-05	--
9847	639136.2	4172248.9	Worker	Scenario 2	1.79E-02	9.01E-05	--
9848	639236.2	4172248.9	Worker	Scenario 2	1.82E-02	9.14E-05	--
9849	639336.2	4172248.9	Worker	Scenario 2	1.85E-02	9.25E-05	--
9850	639436.2	4172248.9	Worker	Scenario 2	1.88E-02	9.36E-05	--
9851	639536.2	4172248.9	Worker	Scenario 2	1.91E-02	9.46E-05	--
9852	639736.2	4172248.9	Worker	Scenario 2	1.97E-02	9.67E-05	--
9853	639836.2	4172248.9	Worker	Scenario 2	1.95E-02	9.56E-05	--
9854	637236.2	4172348.9	Worker	Scenario 2	1.17E-02	6.48E-05	--
9855	637336.2	4172348.9	Worker	Scenario 2	1.20E-02	6.63E-05	--
9856	637436.2	4172348.9	Worker	Scenario 2	1.23E-02	6.78E-05	--
9857	637536.2	4172348.9	Worker	Scenario 2	1.26E-02	6.93E-05	--
9858	637636.2	4172348.9	Worker	Scenario 2	1.29E-02	7.07E-05	--
9859	637736.2	4172348.9	Worker	Scenario 2	1.32E-02	7.20E-05	--
9860	637836.2	4172348.9	Worker	Scenario 2	1.35E-02	7.32E-05	--
9861	637936.2	4172348.9	Worker	Scenario 2	1.37E-02	7.44E-05	--
9862	638136.2	4172348.9	Worker	Scenario 2	1.35E-02	7.34E-05	--
9863	638236.2	4172348.9	Worker	Scenario 2	1.41E-02	7.58E-05	--
9864	638336.2	4172348.9	Worker	Scenario 2	1.45E-02	7.69E-05	--
9865	638436.2	4172348.9	Worker	Scenario 2	1.47E-02	7.76E-05	--
9866	638536.2	4172348.9	Worker	Scenario 2	1.56E-02	8.07E-05	--
9867	638636.2	4172348.9	Worker	Scenario 2	1.55E-02	8.05E-05	--
9868	638736.2	4172348.9	Worker	Scenario 2	1.58E-02	8.16E-05	--
9869	638836.2	4172348.9	Worker	Scenario 2	1.62E-02	8.28E-05	--
9870	638936.2	4172348.9	Worker	Scenario 2	1.67E-02	8.47E-05	--
9871	639036.2	4172348.9	Worker	Scenario 2	1.72E-02	8.67E-05	--
9872	639136.2	4172348.9	Worker	Scenario 2	1.76E-02	8.81E-05	--
9873	639236.2	4172348.9	Worker	Scenario 2	1.80E-02	8.96E-05	--
9874	639336.2	4172348.9	Worker	Scenario 2	1.81E-02	9.00E-05	--
9875	639436.2	4172348.9	Worker	Scenario 2	1.83E-02	9.06E-05	--
9876	639536.2	4172348.9	Worker	Scenario 2	1.86E-02	9.16E-05	--
9877	637636.2	4172448.9	Worker	Scenario 2	1.28E-02	6.97E-05	--
9878	637736.2	4172448.9	Worker	Scenario 2	1.30E-02	7.09E-05	--
9879	637836.2	4172448.9	Worker	Scenario 2	1.33E-02	7.20E-05	--
9880	637936.2	4172448.9	Worker	Scenario 2	1.36E-02	7.30E-05	--
9881	638136.2	4172448.9	Worker	Scenario 2	1.32E-02	7.15E-05	--
9882	638236.2	4172448.9	Worker	Scenario 2	1.36E-02	7.27E-05	--
9883	638336.2	4172448.9	Worker	Scenario 2	1.40E-02	7.42E-05	--
9884	638436.2	4172448.9	Worker	Scenario 2	1.51E-02	7.80E-05	--
9885	638536.2	4172448.9	Worker	Scenario 2	1.50E-02	7.77E-05	--
9886	638636.2	4172448.9	Worker	Scenario 2	1.53E-02	7.88E-05	--
9887	638736.2	4172448.9	Worker	Scenario 2	1.57E-02	8.00E-05	--
9888	638836.2	4172448.9	Worker	Scenario 2	1.60E-02	8.12E-05	--
9889	638936.2	4172448.9	Worker	Scenario 2	1.64E-02	8.26E-05	--
9890	639036.2	4172448.9	Worker	Scenario 2	1.69E-02	8.44E-05	--
9891	639136.2	4172448.9	Worker	Scenario 2	1.73E-02	8.60E-05	--
9892	639236.2	4172448.9	Worker	Scenario 2	1.76E-02	8.72E-05	--
9893	639336.2	4172448.9	Worker	Scenario 2	1.79E-02	8.81E-05	--
9894	639657.4	4168449.3	Resident	Scenario 2	1.98E-01	1.66E-04	--
9895	639682.4	4168449.8	Resident	Scenario 2	2.01E-01	1.70E-04	--
9896	639707.4	4168450.2	Resident	Scenario 2	2.05E-01	1.73E-04	--
9897	639719.4	4168437.2	Resident	Scenario 2	2.06E-01	1.75E-04	--
9898	639719.8	4168412.2	Resident	Scenario 2	2.04E-01	1.74E-04	--
9899	639720.3	4168387.2	Resident	Scenario 2	2.03E-01	1.73E-04	--
9900	639720.7	4168362.2	Resident	Scenario 2	2.01E-01	1.72E-04	--
9901	639721.2	4168337.2	Resident	Scenario 2	2.00E-01	1.71E-04	--
9902	639721.6	4168312.2	Resident	Scenario 2	1.98E-01	1.71E-04	--
9903	639722.1	4168287.2	Resident	Scenario 2	1.97E-01	1.70E-04	--
9904	639722.5	4168262.2	Resident	Scenario 2	1.96E-01	1.69E-04	--
9905	641271.3	4168602.3	Resident	Scenario 2	2.81E+00	4.07E-03	--
9906	641272.0	4168577.4	Resident	Scenario 2	2.81E+00	4.04E-03	--
9907	641272.7	4168552.4	Resident	Scenario 2	2.81E+00	4.03E-03	--
9908	641273.4	4168527.4	Resident	Scenario 2	2.81E+00	4.03E-03	--
9909	641274.1	4168502.4	Resident	Scenario 2	2.81E+00	4.03E-03	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9910	641288.1	4168491.5	Resident	Scenario 2	3.28E+00	4.79E-03	--
9911	641313.1	4168492.2	Resident	Scenario 2	4.81E+00	7.38E-03	--
9912	641329.9	4168500.8	Resident	Scenario 2	7.36E+00	1.18E-02	--
9913	641329.4	4168525.7	Resident	Scenario 2	7.32E+00	1.17E-02	--
9914	641328.8	4168550.7	Resident	Scenario 2	7.25E+00	1.16E-02	--
9915	641328.3	4168575.7	Resident	Scenario 2	7.19E+00	1.15E-02	--
9916	641327.8	4168600.7	Resident	Scenario 2	7.14E+00	1.14E-02	--
9917	641327.3	4168625.7	Resident	Scenario 2	7.11E+00	1.14E-02	--
9918	644628.2	4167344.9	Resident	Scenario 2	2.89E+00	1.12E-03	--
9919	644603.2	4167344.6	Resident	Scenario 2	2.97E+00	1.14E-03	--
9920	644595.5	4167361.9	Resident	Scenario 2	2.99E+00	1.15E-03	--
9921	644608.1	4167373.7	Resident	Scenario 2	2.95E+00	1.14E-03	--
9922	644633.0	4167372.9	Resident	Scenario 2	2.88E+00	1.11E-03	--
9923	644644.0	4167386.8	Resident	Scenario 2	2.86E+00	1.10E-03	--
9924	644641.0	4167411.5	Resident	Scenario 2	2.87E+00	1.11E-03	--
9925	644572.2	4167547.1	Resident	Scenario 2	2.97E+00	1.14E-03	--
9926	644564.9	4167529.8	Resident	Scenario 2	3.02E+00	1.16E-03	--
9927	644585.7	4167544.7	Resident	Scenario 2	2.94E+00	1.13E-03	--
9928	644607.0	4167541.3	Resident	Scenario 2	2.88E+00	1.11E-03	--
9929	644631.9	4167541.8	Resident	Scenario 2	2.81E+00	1.08E-03	--
9930	644656.9	4167542.4	Resident	Scenario 2	2.75E+00	1.06E-03	--
9931	644681.9	4167543.0	Resident	Scenario 2	2.68E+00	1.04E-03	--
9932	643875.3	4167591.4	Resident	Scenario 2	6.69E+00	2.49E-03	--
9933	643900.3	4167591.5	Resident	Scenario 2	6.44E+00	2.40E-03	--
9934	643925.3	4167591.5	Resident	Scenario 2	6.20E+00	2.31E-03	--
9935	640593.1	4166856.1	Resident	Scenario 2	2.43E-01	2.32E-04	--
9936	640618.1	4166856.5	Resident	Scenario 2	2.48E-01	2.38E-04	--
9937	640643.1	4166856.9	Resident	Scenario 2	2.55E-01	2.45E-04	--
9938	640668.1	4166857.3	Resident	Scenario 2	2.62E-01	2.53E-04	--
9939	640693.1	4166857.7	Resident	Scenario 2	2.69E-01	2.61E-04	--
9940	640718.1	4166858.1	Resident	Scenario 2	2.77E-01	2.70E-04	--
9941	640743.1	4166858.4	Resident	Scenario 2	2.84E-01	2.78E-04	--
9942	640768.1	4166858.8	Resident	Scenario 2	2.90E-01	2.85E-04	--
9943	640793.1	4166859.2	Resident	Scenario 2	2.98E-01	2.94E-04	--
9944	640818.1	4166859.6	Resident	Scenario 2	3.07E-01	3.05E-04	--
9945	640843.1	4166860.0	Resident	Scenario 2	3.16E-01	3.16E-04	--
9946	640868.1	4166860.3	Resident	Scenario 2	3.27E-01	3.29E-04	--
9947	640893.1	4166860.7	Resident	Scenario 2	3.39E-01	3.42E-04	--
9948	640918.1	4166861.1	Resident	Scenario 2	3.52E-01	3.58E-04	--
9949	640943.1	4166861.5	Resident	Scenario 2	3.66E-01	3.75E-04	--
9950	640968.0	4166861.4	Resident	Scenario 2	3.82E-01	3.94E-04	--
9951	640992.8	4166858.1	Resident	Scenario 2	3.98E-01	4.13E-04	--
9952	641015.9	4166849.2	Resident	Scenario 2	4.13E-01	4.32E-04	--
9953	641038.0	4166837.5	Resident	Scenario 2	4.28E-01	4.50E-04	--
9954	641058.4	4166823.1	Resident	Scenario 2	4.42E-01	4.67E-04	--
9955	641078.8	4166808.7	Resident	Scenario 2	4.58E-01	4.87E-04	--
9956	641099.0	4166793.9	Resident	Scenario 2	4.75E-01	5.08E-04	--
9957	641117.9	4166777.7	Resident	Scenario 2	4.92E-01	5.30E-04	--
9958	641136.9	4166761.4	Resident	Scenario 2	5.12E-01	5.56E-04	--
9959	641155.9	4166745.1	Resident	Scenario 2	5.33E-01	5.84E-04	--
9960	641174.9	4166728.9	Resident	Scenario 2	5.59E-01	6.19E-04	--
9961	641193.9	4166712.6	Resident	Scenario 2	5.89E-01	6.61E-04	--
9962	641210.2	4166693.8	Resident	Scenario 2	6.15E-01	6.96E-04	--
9963	641225.7	4166674.2	Resident	Scenario 2	6.41E-01	7.33E-04	--
9964	641241.2	4166654.5	Resident	Scenario 2	6.71E-01	7.75E-04	--
9965	641256.7	4166634.9	Resident	Scenario 2	7.01E-01	8.21E-04	--
9966	641272.2	4166615.3	Resident	Scenario 2	7.37E-01	8.73E-04	--
9967	641287.7	4166595.7	Resident	Scenario 2	7.71E-01	9.24E-04	--
9968	641302.9	4166575.9	Resident	Scenario 2	8.06E-01	9.67E-04	--
9969	641317.9	4166555.9	Resident	Scenario 2	8.10E-01	9.79E-04	--
9970	641330.9	4166534.8	Resident	Scenario 2	7.64E-01	9.18E-04	--
9971	641338.1	4166510.9	Resident	Scenario 2	6.58E-01	7.74E-04	--
1	639723.5	4168261.2	Resident	Scenario 3	8.22E+00	1.56E-03	4.07E-03
2	639698.5	4168286.2	Resident	Scenario 3	7.79E+00	1.48E-03	3.88E-03
3	639723.5	4168286.2	Resident	Scenario 3	1.02E+01	1.92E-03	3.82E-03
4	639648.5	4168311.2	Resident	Scenario 3	6.32E+00	1.21E-03	3.75E-03
5	639673.5	4168311.2	Resident	Scenario 3	7.32E+00	1.40E-03	3.69E-03
6	639698.5	4168311.2	Resident	Scenario 3	9.13E+00	1.73E-03	3.63E-03
7	639648.5	4168336.2	Resident	Scenario 3	6.95E+00	1.33E-03	3.50E-03
8	639673.5	4168336.2	Resident	Scenario 3	8.23E+00	1.56E-03	3.67E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9	639698.5	4168336.2	Resident	Scenario 3	1.09E+01	2.05E-03	3.88E-03
10	639648.5	4168361.2	Resident	Scenario 3	7.65E+00	1.45E-03	3.70E-03
11	639673.5	4168361.2	Resident	Scenario 3	9.20E+00	1.74E-03	3.89E-03
12	639698.5	4168361.2	Resident	Scenario 3	1.26E+01	2.36E-03	4.06E-03
13	639648.5	4168386.2	Resident	Scenario 3	8.41E+00	1.59E-03	3.88E-03
14	639673.5	4168386.2	Resident	Scenario 3	1.01E+01	1.91E-03	4.02E-03
15	639698.5	4168386.2	Resident	Scenario 3	1.37E+01	2.56E-03	4.13E-03
16	639648.5	4168411.2	Resident	Scenario 3	9.32E+00	1.76E-03	3.97E-03
17	639673.5	4168411.2	Resident	Scenario 3	1.11E+01	2.08E-03	4.05E-03
18	639698.5	4168411.2	Resident	Scenario 3	1.47E+01	2.75E-03	4.10E-03
19	639648.5	4168436.2	Resident	Scenario 3	1.06E+01	1.99E-03	3.96E-03
20	639673.5	4168436.2	Resident	Scenario 3	1.23E+01	2.31E-03	3.98E-03
21	639698.5	4168436.2	Resident	Scenario 3	1.60E+01	2.99E-03	3.97E-03
22	641298.5	4168511.2	Resident	Scenario 3	3.19E+01	6.05E-03	9.54E-03
23	641323.5	4168511.2	Resident	Scenario 3	3.85E+01	7.24E-03	9.33E-03
24	641298.5	4168536.2	Resident	Scenario 3	3.17E+01	6.00E-03	9.21E-03
25	641323.5	4168536.2	Resident	Scenario 3	3.83E+01	7.19E-03	9.16E-03
26	641298.5	4168561.2	Resident	Scenario 3	3.13E+01	5.92E-03	8.85E-03
27	641323.5	4168561.2	Resident	Scenario 3	3.76E+01	7.05E-03	8.95E-03
28	641298.5	4168586.2	Resident	Scenario 3	3.09E+01	5.83E-03	8.50E-03
29	641323.5	4168586.2	Resident	Scenario 3	3.66E+01	6.87E-03	8.76E-03
30	641298.5	4168611.2	Resident	Scenario 3	3.04E+01	5.73E-03	8.19E-03
31	641323.5	4168611.2	Resident	Scenario 3	3.54E+01	6.64E-03	8.57E-03
32	641298.5	4168636.2	Resident	Scenario 3	2.95E+01	5.56E-03	7.85E-03
33	641323.5	4168636.2	Resident	Scenario 3	3.39E+01	6.36E-03	8.38E-03
34	641298.5	4168661.2	Resident	Scenario 3	2.82E+01	5.32E-03	7.68E-03
35	641323.5	4168661.2	Resident	Scenario 3	3.21E+01	6.03E-03	8.19E-03
36	642036.2	4165948.9	Resident	Scenario 3	1.94E+00	4.31E-04	1.13E-02
37	640636.2	4166448.9	Resident	Scenario 3	1.48E+00	3.27E-04	1.12E-02
38	640836.2	4166448.9	Resident	Scenario 3	1.63E+00	3.65E-04	1.63E-02
39	640936.2	4166448.9	Resident	Scenario 3	1.74E+00	3.94E-04	1.76E-02
40	641036.2	4166448.9	Resident	Scenario 3	1.86E+00	4.26E-04	1.84E-02
41	641136.2	4166448.9	Resident	Scenario 3	2.08E+00	4.74E-04	1.83E-02
42	641236.2	4166448.9	Resident	Scenario 3	2.31E+00	5.23E-04	1.94E-02
43	640636.2	4166548.9	Resident	Scenario 3	1.65E+00	3.67E-04	1.26E-02
44	640736.2	4166548.9	Resident	Scenario 3	1.77E+00	3.96E-04	1.35E-02
45	640836.2	4166548.9	Resident	Scenario 3	1.88E+00	4.24E-04	1.54E-02
46	641036.2	4166548.9	Resident	Scenario 3	2.17E+00	5.00E-04	2.36E-02
47	641136.2	4166548.9	Resident	Scenario 3	2.43E+00	5.61E-04	2.05E-02
48	641236.2	4166548.9	Resident	Scenario 3	2.83E+00	6.48E-04	2.08E-02
49	640636.2	4166648.9	Resident	Scenario 3	1.86E+00	4.17E-04	1.51E-02
50	640736.2	4166648.9	Resident	Scenario 3	2.03E+00	4.56E-04	1.55E-02
51	640836.2	4166648.9	Resident	Scenario 3	2.17E+00	4.91E-04	1.65E-02
52	640936.2	4166648.9	Resident	Scenario 3	2.32E+00	5.32E-04	1.93E-02
53	641036.2	4166648.9	Resident	Scenario 3	2.56E+00	5.92E-04	2.52E-02
54	641136.2	4166648.9	Resident	Scenario 3	2.89E+00	6.75E-04	2.69E-02
55	641236.2	4166648.9	Resident	Scenario 3	3.42E+00	7.90E-04	2.59E-02
56	640636.2	4166748.9	Resident	Scenario 3	2.06E+00	4.65E-04	1.50E-02
57	640736.2	4166748.9	Resident	Scenario 3	2.33E+00	5.31E-04	1.55E-02
58	640836.2	4166748.9	Resident	Scenario 3	2.46E+00	5.64E-04	1.95E-02
59	640936.2	4166748.9	Resident	Scenario 3	2.71E+00	6.27E-04	2.05E-02
60	641036.2	4166748.9	Resident	Scenario 3	3.02E+00	7.06E-04	2.62E-02
61	641136.2	4166748.9	Resident	Scenario 3	3.47E+00	8.19E-04	3.28E-02
62	640636.2	4166848.9	Resident	Scenario 3	2.31E+00	5.27E-04	1.79E-02
63	640736.2	4166848.9	Resident	Scenario 3	2.63E+00	6.09E-04	1.82E-02
64	640836.2	4166848.9	Resident	Scenario 3	2.83E+00	6.58E-04	1.68E-02
65	640936.2	4166848.9	Resident	Scenario 3	3.16E+00	7.42E-04	2.46E-02
66	644636.2	4167548.9	Resident	Scenario 3	8.48E+00	1.67E-03	2.24E-03
67	644636.2	4167648.9	Resident	Scenario 3	8.12E+00	1.60E-03	2.33E-03
68	644736.2	4167648.9	Resident	Scenario 3	7.59E+00	1.50E-03	2.25E-03
69	644836.2	4167648.9	Resident	Scenario 3	7.12E+00	1.41E-03	2.17E-03
70	644936.2	4167648.9	Resident	Scenario 3	6.69E+00	1.33E-03	2.09E-03
71	645036.2	4167648.9	Resident	Scenario 3	6.31E+00	1.25E-03	2.04E-03
72	645236.2	4167648.9	Resident	Scenario 3	5.67E+00	1.13E-03	1.95E-03
73	644536.2	4167748.9	Resident	Scenario 3	8.11E+00	1.60E-03	2.45E-03
74	644636.2	4168848.9	Resident	Scenario 3	3.51E+00	6.90E-04	2.64E-03
75	644736.2	4168848.9	Resident	Scenario 3	3.41E+00	6.69E-04	2.20E-03
76	644636.2	4168948.9	Resident	Scenario 3	3.33E+00	6.53E-04	3.20E-03
77	644536.2	4169048.9	Resident	Scenario 3	3.24E+00	6.34E-04	3.16E-03
78	644636.2	4169048.9	Resident	Scenario 3	3.14E+00	6.17E-04	3.26E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
79	644736.2	4169048.9	Resident	Scenario 3	3.06E+00	6.00E-04	3.20E-03
80	644336.2	4169148.9	Resident	Scenario 3	3.25E+00	6.36E-04	2.24E-03
81	644436.2	4169148.9	Resident	Scenario 3	3.15E+00	6.17E-04	2.24E-03
82	644536.2	4169148.9	Resident	Scenario 3	3.06E+00	6.00E-04	2.51E-03
83	644336.2	4169248.9	Resident	Scenario 3	3.07E+00	6.02E-04	2.19E-03
84	644436.2	4169248.9	Resident	Scenario 3	2.99E+00	5.85E-04	2.13E-03
85	644436.2	4169348.9	Resident	Scenario 3	2.84E+00	5.56E-04	2.08E-03
86	642336.2	4169948.9	Resident	Scenario 3	3.54E+00	6.97E-04	5.04E-03
87	642436.2	4169948.9	Resident	Scenario 3	3.45E+00	6.77E-04	3.12E-03
88	642536.2	4169948.9	Resident	Scenario 3	3.36E+00	6.58E-04	2.76E-03
89	642636.2	4169948.9	Resident	Scenario 3	3.26E+00	6.40E-04	2.67E-03
90	642736.2	4169948.9	Resident	Scenario 3	3.17E+00	6.22E-04	2.74E-03
91	642836.2	4169948.9	Resident	Scenario 3	3.08E+00	6.07E-04	3.02E-03
92	642936.2	4169948.9	Resident	Scenario 3	3.00E+00	5.92E-04	3.18E-03
93	643036.2	4169948.9	Resident	Scenario 3	2.93E+00	5.79E-04	2.77E-03
94	643136.2	4169948.9	Resident	Scenario 3	2.86E+00	5.67E-04	2.47E-03
95	644136.2	4169948.9	Resident	Scenario 3	2.21E+00	4.37E-04	1.93E-03
96	642236.2	4170048.9	Resident	Scenario 3	3.38E+00	6.66E-04	6.13E-03
97	642336.2	4170048.9	Resident	Scenario 3	3.30E+00	6.50E-04	5.40E-03
98	642436.2	4170048.9	Resident	Scenario 3	3.23E+00	6.34E-04	3.57E-03
99	642536.2	4170048.9	Resident	Scenario 3	3.15E+00	6.18E-04	2.50E-03
100	642636.2	4170048.9	Resident	Scenario 3	3.06E+00	6.01E-04	2.67E-03
101	642736.2	4170048.9	Resident	Scenario 3	2.98E+00	5.85E-04	2.63E-03
102	642836.2	4170048.9	Resident	Scenario 3	2.90E+00	5.71E-04	2.65E-03
103	642936.2	4170048.9	Resident	Scenario 3	2.83E+00	5.58E-04	3.07E-03
104	643036.2	4170048.9	Resident	Scenario 3	2.76E+00	5.46E-04	2.97E-03
105	643136.2	4170048.9	Resident	Scenario 3	2.70E+00	5.35E-04	2.46E-03
106	643236.2	4170048.9	Resident	Scenario 3	2.64E+00	5.24E-04	2.28E-03
107	643336.2	4170048.9	Resident	Scenario 3	2.58E+00	5.13E-04	2.28E-03
108	643436.2	4170048.9	Resident	Scenario 3	2.52E+00	5.01E-04	2.25E-03
109	643536.2	4170048.9	Resident	Scenario 3	2.47E+00	4.89E-04	2.19E-03
110	643636.2	4170048.9	Resident	Scenario 3	2.41E+00	4.77E-04	2.18E-03
111	643736.2	4170048.9	Resident	Scenario 3	2.34E+00	4.63E-04	2.06E-03
112	643836.2	4170048.9	Resident	Scenario 3	2.27E+00	4.50E-04	1.95E-03
113	643936.2	4170048.9	Resident	Scenario 3	2.21E+00	4.37E-04	1.99E-03
114	644036.2	4170048.9	Resident	Scenario 3	2.16E+00	4.27E-04	1.93E-03
115	642136.2	4170148.9	Resident	Scenario 3	3.20E+00	6.31E-04	4.45E-03
116	642236.2	4170148.9	Resident	Scenario 3	3.13E+00	6.17E-04	5.79E-03
117	642336.2	4170148.9	Resident	Scenario 3	3.07E+00	6.06E-04	5.61E-03
118	643436.2	4170148.9	Resident	Scenario 3	2.39E+00	4.75E-04	2.18E-03
119	643536.2	4170148.9	Resident	Scenario 3	2.34E+00	4.65E-04	2.12E-03
120	643636.2	4170148.9	Resident	Scenario 3	2.29E+00	4.54E-04	2.06E-03
121	643736.2	4170148.9	Resident	Scenario 3	2.23E+00	4.42E-04	2.07E-03
122	643836.2	4170148.9	Resident	Scenario 3	2.17E+00	4.30E-04	1.91E-03
123	643936.2	4170148.9	Resident	Scenario 3	2.11E+00	4.18E-04	1.87E-03
124	643436.2	4170248.9	Resident	Scenario 3	2.28E+00	4.52E-04	2.11E-03
125	643536.2	4170248.9	Resident	Scenario 3	2.23E+00	4.43E-04	2.05E-03
126	643636.2	4170248.9	Resident	Scenario 3	2.18E+00	4.33E-04	2.00E-03
127	643736.2	4170248.9	Resident	Scenario 3	2.13E+00	4.23E-04	1.97E-03
128	643836.2	4170248.9	Resident	Scenario 3	2.08E+00	4.12E-04	1.96E-03
129	635936.2	4170748.9	Resident	Scenario 3	4.98E-01	1.01E-04	1.26E-03
130	636036.2	4170748.9	Resident	Scenario 3	5.18E-01	1.05E-04	1.19E-03
131	636136.2	4170748.9	Resident	Scenario 3	5.43E-01	1.10E-04	1.03E-03
132	635936.2	4170848.9	Resident	Scenario 3	5.04E-01	1.02E-04	1.08E-03
133	636036.2	4170848.9	Resident	Scenario 3	5.26E-01	1.06E-04	1.05E-03
134	636136.2	4170848.9	Resident	Scenario 3	5.50E-01	1.11E-04	1.13E-03
135	636236.2	4170848.9	Resident	Scenario 3	5.76E-01	1.16E-04	1.12E-03
136	636836.2	4170848.9	Resident	Scenario 3	7.86E-01	1.56E-04	9.08E-04
137	636036.2	4170948.9	Resident	Scenario 3	5.32E-01	1.07E-04	1.14E-03
138	636136.2	4170948.9	Resident	Scenario 3	5.56E-01	1.12E-04	1.12E-03
139	636236.2	4170948.9	Resident	Scenario 3	5.82E-01	1.17E-04	1.02E-03
140	636336.2	4170948.9	Resident	Scenario 3	6.12E-01	1.23E-04	7.77E-04
141	636636.2	4170948.9	Resident	Scenario 3	7.12E-01	1.42E-04	8.13E-04
142	636736.2	4170948.9	Resident	Scenario 3	7.49E-01	1.49E-04	8.93E-04
143	636836.2	4170948.9	Resident	Scenario 3	7.87E-01	1.56E-04	9.38E-04
144	635936.2	4171048.9	Resident	Scenario 3	5.19E-01	1.05E-04	1.08E-03
145	636036.2	4171048.9	Resident	Scenario 3	5.39E-01	1.08E-04	1.06E-03
146	636136.2	4171048.9	Resident	Scenario 3	5.64E-01	1.13E-04	9.69E-04
147	636236.2	4171048.9	Resident	Scenario 3	5.89E-01	1.18E-04	7.25E-04
148	636336.2	4171048.9	Resident	Scenario 3	6.15E-01	1.23E-04	7.00E-04

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
149	636536.2	4171048.9	Resident	Scenario 3	6.74E-01	1.35E-04	8.09E-04
150	636636.2	4171048.9	Resident	Scenario 3	7.10E-01	1.41E-04	8.75E-04
151	636736.2	4171048.9	Resident	Scenario 3	7.51E-01	1.49E-04	9.05E-04
152	635936.2	4171148.9	Resident	Scenario 3	5.25E-01	1.06E-04	9.58E-04
153	636036.2	4171148.9	Resident	Scenario 3	5.46E-01	1.10E-04	9.18E-04
154	636136.2	4171148.9	Resident	Scenario 3	5.69E-01	1.14E-04	6.86E-04
155	636236.2	4171148.9	Resident	Scenario 3	5.91E-01	1.18E-04	6.64E-04
156	636336.2	4171148.9	Resident	Scenario 3	6.17E-01	1.23E-04	7.20E-04
157	636536.2	4171148.9	Resident	Scenario 3	6.78E-01	1.35E-04	8.54E-04
158	636636.2	4171148.9	Resident	Scenario 3	7.09E-01	1.41E-04	8.72E-04
159	636136.2	4171248.9	Resident	Scenario 3	5.72E-01	1.15E-04	6.37E-04
160	636236.2	4171248.9	Resident	Scenario 3	5.96E-01	1.19E-04	7.20E-04
161	636336.2	4171248.9	Resident	Scenario 3	6.21E-01	1.24E-04	7.90E-04
162	636536.2	4171248.9	Resident	Scenario 3	6.79E-01	1.35E-04	8.37E-04
163	636036.2	4171348.9	Resident	Scenario 3	5.55E-01	1.11E-04	6.39E-04
164	636136.2	4171348.9	Resident	Scenario 3	5.76E-01	1.15E-04	7.18E-04
165	636236.2	4171348.9	Resident	Scenario 3	5.99E-01	1.20E-04	7.76E-04
166	636336.2	4171348.9	Resident	Scenario 3	6.25E-01	1.25E-04	8.06E-04
167	636136.2	4171448.9	Resident	Scenario 3	5.79E-01	1.16E-04	7.60E-04
168	642573.5	4166836.2	Roadway/Waterway	Scenario 3	--	--	--
169	644323.5	4166836.2	Roadway/Waterway	Scenario 3	--	--	--
170	641523.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
171	641548.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
172	641573.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
173	642048.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
174	642073.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
175	642098.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
176	642198.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
177	642223.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
178	642248.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
179	642273.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
180	642548.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
181	642573.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
182	642598.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
183	642623.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
184	642648.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
185	642673.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
186	642698.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
187	642723.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
188	642748.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
189	642773.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
190	642798.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
191	642823.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
192	642848.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
193	642873.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
194	642898.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
195	642923.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
196	642948.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
197	642973.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
198	642998.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
199	643023.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
200	643048.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
201	643073.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
202	643098.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
203	643123.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
204	643148.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
205	643173.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
206	643198.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
207	643223.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
208	643248.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
209	643273.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
210	643298.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
211	643323.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
212	643348.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
213	643373.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
214	643398.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
215	643423.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
216	643448.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
217	643473.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
218	643498.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
219	643523.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
220	643548.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
221	643573.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
222	643598.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
223	643623.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
224	643648.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
225	643673.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
226	643698.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
227	643723.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
228	643748.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
229	643773.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
230	643798.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
231	643823.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
232	643848.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
233	643873.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
234	643898.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
235	643923.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
236	643948.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
237	643973.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
238	643998.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
239	644023.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
240	644048.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
241	644073.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
242	644098.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
243	644123.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
244	644148.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
245	644173.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
246	644198.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
247	644223.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
248	644248.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
249	644273.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
250	644298.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
251	644323.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
252	644348.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
253	644373.5	4166861.2	Roadway/Waterway	Scenario 3	--	--	--
254	641423.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
255	641448.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
256	641473.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
257	641498.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
258	641523.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
259	641548.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
260	641573.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
261	641598.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
262	641623.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
263	641648.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
264	641673.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
265	641698.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
266	641723.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
267	641748.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
268	641773.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
269	641798.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
270	641823.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
271	641848.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
272	641873.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
273	641898.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
274	641923.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
275	641948.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
276	641973.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
277	641998.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
278	642023.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
279	642048.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
280	642073.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
281	642098.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
282	642123.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
283	642148.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
284	642173.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
285	642198.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
286	642223.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
287	642248.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
288	642273.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
289	642298.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
290	642323.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
291	642348.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
292	642373.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
293	642398.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
294	642423.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
295	642448.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
296	642473.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
297	642498.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
298	642523.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
299	642548.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
300	642573.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
301	642598.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
302	642623.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
303	642648.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
304	642673.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
305	642698.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
306	642723.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
307	642748.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
308	642773.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
309	642798.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
310	642823.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
311	642848.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
312	642873.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
313	642898.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
314	642923.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
315	642948.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
316	642973.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
317	642998.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
318	643023.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
319	643048.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
320	643073.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
321	643098.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
322	643123.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
323	643148.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
324	643173.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
325	643198.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
326	643223.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
327	643248.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
328	643273.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
329	643298.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
330	643323.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
331	643348.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
332	643373.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
333	643398.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
334	643423.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
335	643448.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
336	643473.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
337	643498.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
338	643523.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
339	643548.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
340	643573.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
341	643598.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
342	643623.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
343	643648.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
344	643673.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
345	643698.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
346	643723.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
347	643748.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
348	643773.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
349	643798.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
350	643823.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
351	643848.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
352	643873.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
353	643898.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
354	643923.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
355	643948.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
356	643973.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
357	643998.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
358	644023.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
359	644048.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
360	644073.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
361	644098.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
362	644123.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
363	644148.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
364	644173.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
365	644198.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
366	644223.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
367	644248.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
368	644273.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
369	644298.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
370	644323.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
371	644348.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
372	644373.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
373	644398.5	4166886.2	Roadway/Waterway	Scenario 3	--	--	--
374	641348.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
375	641373.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
376	641398.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
377	641423.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
378	641448.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
379	641473.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
380	641498.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
381	641523.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
382	641548.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
383	641573.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
384	641598.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
385	641623.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
386	641648.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
387	641673.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
388	641698.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
389	641723.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
390	641748.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
391	641773.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
392	641798.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
393	641823.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
394	641848.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
395	641873.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
396	641898.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
397	641923.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
398	641948.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
399	641973.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
400	641998.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
401	642023.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
402	642048.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
403	642073.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
404	642098.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
405	642123.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
406	642148.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
407	642173.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
408	642198.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
409	642223.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
410	642248.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
411	642273.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
412	642298.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
413	642323.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
414	642348.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
415	642373.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
416	642398.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
417	642423.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
418	642448.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
419	642473.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
420	642498.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
421	642523.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
422	642548.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
423	642573.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
424	642598.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
425	642623.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
426	642648.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
427	642673.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
428	642698.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
429	642723.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
430	642748.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
431	642773.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
432	643548.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
433	643573.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
434	643598.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
435	643623.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
436	643648.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
437	643673.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
438	643698.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
439	643723.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
440	643748.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
441	643773.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
442	643798.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
443	643823.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
444	643848.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
445	643873.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
446	643898.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
447	643923.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
448	643948.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
449	643973.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
450	643998.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
451	644023.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
452	644048.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
453	644073.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
454	644098.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
455	644123.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
456	644148.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
457	644173.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
458	644198.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
459	644223.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
460	644248.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
461	644273.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
462	644298.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
463	644323.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
464	644348.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
465	644373.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
466	644398.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
467	644423.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
468	644448.5	4166911.2	Roadway/Waterway	Scenario 3	--	--	--
469	641323.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
470	641348.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
471	641373.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
472	641398.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
473	641423.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
474	641448.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
475	641473.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
476	641498.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
477	641523.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
478	641548.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
479	641573.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
480	641598.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
481	641623.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
482	641648.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
483	641673.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
484	641698.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
485	641723.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
486	641748.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
487	641773.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
488	641798.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
489	641823.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
490	641848.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
491	641873.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
492	641898.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
493	641923.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
494	641948.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
495	642223.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
496	642248.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
497	642273.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
498	642298.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
499	642323.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
500	642348.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
501	642373.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
502	642398.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
503	642423.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
504	642448.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
505	642473.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
506	642498.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
507	642523.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
508	642548.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
509	642573.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
510	644323.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
511	644348.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
512	644373.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
513	644398.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
514	644423.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
515	644448.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
516	644473.5	4166936.2	Roadway/Waterway	Scenario 3	--	--	--
517	641323.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
518	641348.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
519	641373.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
520	641398.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
521	641423.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
522	641448.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
523	641473.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
524	641498.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
525	641523.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
526	642198.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
527	642223.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
528	642248.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
529	642273.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
530	642298.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
531	642323.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
532	642348.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
533	642373.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
534	642398.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
535	642423.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
536	642448.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
537	642473.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
538	642498.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
539	642523.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
540	642548.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
541	644373.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
542	644398.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
543	644423.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
544	644448.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
545	644473.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
546	644498.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
547	644523.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
548	644548.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
549	644573.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
550	644598.5	4166961.2	Roadway/Waterway	Scenario 3	--	--	--
551	641298.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
552	641323.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
553	641348.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
554	641373.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
555	641398.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
556	641423.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
557	642173.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
558	642198.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
559	642223.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
560	642248.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
561	642273.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
562	642298.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
563	642323.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
564	642348.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
565	644398.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
566	644423.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
567	644448.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
568	644473.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
569	644498.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
570	644523.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
571	644548.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
572	644573.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
573	644598.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
574	644623.5	4166986.2	Roadway/Waterway	Scenario 3	--	--	--
575	641348.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
576	641373.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
577	642148.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
578	642173.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
579	642198.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
580	642223.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
581	642248.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
582	642273.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
583	642298.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
584	642323.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
585	644423.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
586	644448.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
587	644473.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
588	644498.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
589	644523.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
590	644548.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
591	644573.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
592	644598.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
593	644623.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
594	644648.5	4167011.2	Roadway/Waterway	Scenario 3	--	--	--
595	641348.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
596	641373.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
597	642123.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
598	642148.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
599	642173.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
600	642198.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
601	642223.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
602	642248.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
603	642273.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
604	642298.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
605	644473.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
606	644498.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
607	644523.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
608	644548.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
609	644573.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
610	644598.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
611	644623.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
612	644648.5	4167036.2	Roadway/Waterway	Scenario 3	--	--	--
613	641373.5	4167061.2	Roadway/Waterway	Scenario 3	--	--	--
614	642098.5	4167061.2	Roadway/Waterway	Scenario 3	--	--	--
615	642123.5	4167061.2	Roadway/Waterway	Scenario 3	--	--	--
616	642148.5	4167061.2	Roadway/Waterway	Scenario 3	--	--	--
617	642173.5	4167061.2	Roadway/Waterway	Scenario 3	--	--	--
618	642198.5	4167061.2	Roadway/Waterway	Scenario 3	--	--	--
619	642223.5	4167061.2	Roadway/Waterway	Scenario 3	--	--	--
620	642248.5	4167061.2	Roadway/Waterway	Scenario 3	--	--	--
621	642273.5	4167061.2	Roadway/Waterway	Scenario 3	--	--	--
622	644573.5	4167061.2	Roadway/Waterway	Scenario 3	--	--	--
623	644598.5	4167061.2	Roadway/Waterway	Scenario 3	--	--	--
624	644623.5	4167061.2	Roadway/Waterway	Scenario 3	--	--	--
625	644648.5	4167061.2	Roadway/Waterway	Scenario 3	--	--	--
626	641373.5	4167086.2	Roadway/Waterway	Scenario 3	--	--	--
627	642073.5	4167086.2	Roadway/Waterway	Scenario 3	--	--	--
628	642098.5	4167086.2	Roadway/Waterway	Scenario 3	--	--	--
629	642123.5	4167086.2	Roadway/Waterway	Scenario 3	--	--	--
630	642148.5	4167086.2	Roadway/Waterway	Scenario 3	--	--	--
631	642173.5	4167086.2	Roadway/Waterway	Scenario 3	--	--	--
632	642198.5	4167086.2	Roadway/Waterway	Scenario 3	--	--	--
633	642223.5	4167086.2	Roadway/Waterway	Scenario 3	--	--	--
634	642248.5	4167086.2	Roadway/Waterway	Scenario 3	--	--	--
635	644598.5	4167086.2	Roadway/Waterway	Scenario 3	--	--	--
636	644623.5	4167086.2	Roadway/Waterway	Scenario 3	--	--	--
637	641373.5	4167111.2	Roadway/Waterway	Scenario 3	--	--	--
638	642048.5	4167111.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
639	642073.5	4167111.2	Roadway/Waterway	Scenario 3	--	--	--
640	642098.5	4167111.2	Roadway/Waterway	Scenario 3	--	--	--
641	642123.5	4167111.2	Roadway/Waterway	Scenario 3	--	--	--
642	642148.5	4167111.2	Roadway/Waterway	Scenario 3	--	--	--
643	642173.5	4167111.2	Roadway/Waterway	Scenario 3	--	--	--
644	642198.5	4167111.2	Roadway/Waterway	Scenario 3	--	--	--
645	642223.5	4167111.2	Roadway/Waterway	Scenario 3	--	--	--
646	644598.5	4167111.2	Roadway/Waterway	Scenario 3	--	--	--
647	644623.5	4167111.2	Roadway/Waterway	Scenario 3	--	--	--
648	641373.5	4167136.2	Roadway/Waterway	Scenario 3	--	--	--
649	642023.5	4167136.2	Roadway/Waterway	Scenario 3	--	--	--
650	642048.5	4167136.2	Roadway/Waterway	Scenario 3	--	--	--
651	642073.5	4167136.2	Roadway/Waterway	Scenario 3	--	--	--
652	642098.5	4167136.2	Roadway/Waterway	Scenario 3	--	--	--
653	642123.5	4167136.2	Roadway/Waterway	Scenario 3	--	--	--
654	642148.5	4167136.2	Roadway/Waterway	Scenario 3	--	--	--
655	642173.5	4167136.2	Roadway/Waterway	Scenario 3	--	--	--
656	642198.5	4167136.2	Roadway/Waterway	Scenario 3	--	--	--
657	644598.5	4167136.2	Roadway/Waterway	Scenario 3	--	--	--
658	644623.5	4167136.2	Roadway/Waterway	Scenario 3	--	--	--
659	641373.5	4167161.2	Roadway/Waterway	Scenario 3	--	--	--
660	641998.5	4167161.2	Roadway/Waterway	Scenario 3	--	--	--
661	642023.5	4167161.2	Roadway/Waterway	Scenario 3	--	--	--
662	642048.5	4167161.2	Roadway/Waterway	Scenario 3	--	--	--
663	642073.5	4167161.2	Roadway/Waterway	Scenario 3	--	--	--
664	642098.5	4167161.2	Roadway/Waterway	Scenario 3	--	--	--
665	642123.5	4167161.2	Roadway/Waterway	Scenario 3	--	--	--
666	642148.5	4167161.2	Roadway/Waterway	Scenario 3	--	--	--
667	644598.5	4167161.2	Roadway/Waterway	Scenario 3	--	--	--
668	644623.5	4167161.2	Roadway/Waterway	Scenario 3	--	--	--
669	641373.5	4167186.2	Roadway/Waterway	Scenario 3	--	--	--
670	641948.5	4167186.2	Roadway/Waterway	Scenario 3	--	--	--
671	641973.5	4167186.2	Roadway/Waterway	Scenario 3	--	--	--
672	641998.5	4167186.2	Roadway/Waterway	Scenario 3	--	--	--
673	642023.5	4167186.2	Roadway/Waterway	Scenario 3	--	--	--
674	642048.5	4167186.2	Roadway/Waterway	Scenario 3	--	--	--
675	642073.5	4167186.2	Roadway/Waterway	Scenario 3	--	--	--
676	642098.5	4167186.2	Roadway/Waterway	Scenario 3	--	--	--
677	642123.5	4167186.2	Roadway/Waterway	Scenario 3	--	--	--
678	644598.5	4167186.2	Roadway/Waterway	Scenario 3	--	--	--
679	644623.5	4167186.2	Roadway/Waterway	Scenario 3	--	--	--
680	641373.5	4167211.2	Roadway/Waterway	Scenario 3	--	--	--
681	641923.5	4167211.2	Roadway/Waterway	Scenario 3	--	--	--
682	641948.5	4167211.2	Roadway/Waterway	Scenario 3	--	--	--
683	641973.5	4167211.2	Roadway/Waterway	Scenario 3	--	--	--
684	641998.5	4167211.2	Roadway/Waterway	Scenario 3	--	--	--
685	642023.5	4167211.2	Roadway/Waterway	Scenario 3	--	--	--
686	642048.5	4167211.2	Roadway/Waterway	Scenario 3	--	--	--
687	642073.5	4167211.2	Roadway/Waterway	Scenario 3	--	--	--
688	642098.5	4167211.2	Roadway/Waterway	Scenario 3	--	--	--
689	644598.5	4167211.2	Roadway/Waterway	Scenario 3	--	--	--
690	644623.5	4167211.2	Roadway/Waterway	Scenario 3	--	--	--
691	641373.5	4167236.2	Roadway/Waterway	Scenario 3	--	--	--
692	641898.5	4167236.2	Roadway/Waterway	Scenario 3	--	--	--
693	641923.5	4167236.2	Roadway/Waterway	Scenario 3	--	--	--
694	641948.5	4167236.2	Roadway/Waterway	Scenario 3	--	--	--
695	641973.5	4167236.2	Roadway/Waterway	Scenario 3	--	--	--
696	641998.5	4167236.2	Roadway/Waterway	Scenario 3	--	--	--
697	642023.5	4167236.2	Roadway/Waterway	Scenario 3	--	--	--
698	642048.5	4167236.2	Roadway/Waterway	Scenario 3	--	--	--
699	642073.5	4167236.2	Roadway/Waterway	Scenario 3	--	--	--
700	644598.5	4167236.2	Roadway/Waterway	Scenario 3	--	--	--
701	641373.5	4167261.2	Roadway/Waterway	Scenario 3	--	--	--
702	641873.5	4167261.2	Roadway/Waterway	Scenario 3	--	--	--
703	641898.5	4167261.2	Roadway/Waterway	Scenario 3	--	--	--
704	641923.5	4167261.2	Roadway/Waterway	Scenario 3	--	--	--
705	641948.5	4167261.2	Roadway/Waterway	Scenario 3	--	--	--
706	641973.5	4167261.2	Roadway/Waterway	Scenario 3	--	--	--
707	641998.5	4167261.2	Roadway/Waterway	Scenario 3	--	--	--
708	642023.5	4167261.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
709	642048.5	4167261.2	Roadway/Waterway	Scenario 3	--	--	--
710	644548.5	4167261.2	Roadway/Waterway	Scenario 3	--	--	--
711	644573.5	4167261.2	Roadway/Waterway	Scenario 3	--	--	--
712	644598.5	4167261.2	Roadway/Waterway	Scenario 3	--	--	--
713	644623.5	4167261.2	Roadway/Waterway	Scenario 3	--	--	--
714	644648.5	4167261.2	Roadway/Waterway	Scenario 3	--	--	--
715	644673.5	4167261.2	Roadway/Waterway	Scenario 3	--	--	--
716	641373.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
717	641823.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
718	641848.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
719	641873.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
720	641898.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
721	641923.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
722	641948.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
723	641973.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
724	641998.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
725	642023.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
726	644448.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
727	644473.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
728	644498.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
729	644523.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
730	644548.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
731	644573.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
732	644598.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
733	644623.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
734	644648.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
735	644673.5	4167286.2	Roadway/Waterway	Scenario 3	--	--	--
736	641373.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
737	641748.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
738	641773.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
739	641798.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
740	641823.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
741	641848.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
742	641873.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
743	641898.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
744	641923.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
745	641948.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
746	641973.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
747	641998.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
748	644373.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
749	644398.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
750	644423.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
751	644448.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
752	644473.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
753	644498.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
754	644523.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
755	644548.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
756	644573.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
757	644598.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
758	644623.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
759	644648.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
760	641373.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
761	641673.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
762	641698.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
763	641723.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
764	641748.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
765	641773.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
766	641798.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
767	641823.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
768	641848.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
769	641873.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
770	641898.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
771	641923.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
772	641948.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
773	641973.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
774	644298.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
775	644323.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
776	644348.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
777	644373.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
778	644398.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
779	644423.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
780	644448.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
781	644473.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
782	644498.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
783	644523.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
784	644548.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
785	644573.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
786	644598.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
787	644623.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
788	641373.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
789	641573.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
790	641598.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
791	641623.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
792	641648.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
793	641673.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
794	641698.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
795	641723.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
796	641748.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
797	641773.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
798	641798.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
799	641823.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
800	641848.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
801	641873.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
802	641898.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
803	641923.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
804	643348.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
805	643373.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
806	643398.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
807	643423.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
808	643448.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
809	643473.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
810	643498.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
811	643523.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
812	643548.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
813	643573.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
814	643598.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
815	643623.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
816	643648.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
817	643673.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
818	643698.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
819	643723.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
820	643748.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
821	643773.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
822	643798.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
823	643823.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
824	643848.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
825	643873.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
826	644248.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
827	644273.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
828	644298.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
829	644323.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
830	644348.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
831	644373.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
832	644398.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
833	644423.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
834	644448.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
835	644473.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
836	644498.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
837	641373.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
838	641498.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
839	641523.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
840	641548.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
841	641573.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
842	641598.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
843	641623.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
844	641648.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
845	641673.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
846	641698.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
847	641723.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
848	641748.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
849	641773.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
850	641798.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
851	641823.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
852	641848.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
853	641873.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
854	643323.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
855	643348.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
856	643373.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
857	643398.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
858	643423.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
859	643448.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
860	643473.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
861	643498.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
862	643523.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
863	643548.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
864	643573.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
865	643598.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
866	643623.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
867	643648.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
868	643673.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
869	643698.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
870	643723.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
871	643748.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
872	643773.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
873	643798.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
874	643823.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
875	643848.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
876	643873.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
877	643898.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
878	643923.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
879	643948.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
880	643973.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
881	643998.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
882	644023.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
883	644048.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
884	644073.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
885	644148.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
886	644173.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
887	644198.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
888	644223.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
889	644248.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
890	644273.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
891	644298.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
892	644323.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
893	644348.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
894	644373.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
895	644398.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
896	644423.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
897	641373.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
898	641398.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
899	641423.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
900	641448.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
901	641473.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
902	641498.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
903	641523.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
904	641548.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
905	641573.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
906	641598.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
907	641623.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
908	641648.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
909	641673.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
910	641698.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
911	641723.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
912	641748.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
913	641773.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
914	641798.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
915	641823.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
916	641848.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
917	643298.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
918	643323.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
919	643348.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
920	643373.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
921	643398.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
922	643423.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
923	643448.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
924	643473.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
925	643498.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
926	643523.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
927	643548.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
928	643573.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
929	643598.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
930	643623.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
931	643648.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
932	643673.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
933	643698.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
934	643723.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
935	643748.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
936	643773.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
937	643798.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
938	643823.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
939	643848.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
940	643873.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
941	643898.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
942	643923.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
943	643948.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
944	643973.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
945	643998.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
946	644023.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
947	644048.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
948	644073.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
949	644098.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
950	644123.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
951	644148.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
952	644173.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
953	644198.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
954	644223.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
955	644248.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
956	644273.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
957	644298.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
958	644323.5	4167411.2	Roadway/Waterway	Scenario 3	--	--	--
959	641298.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
960	641323.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
961	641348.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
962	641373.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
963	641398.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
964	641423.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
965	641448.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
966	641473.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
967	641498.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
968	641523.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
969	641548.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
970	641573.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
971	641598.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
972	641623.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
973	641648.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
974	641673.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
975	641698.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
976	641723.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
977	641748.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
978	641773.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
979	643273.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
980	643298.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
981	643323.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
982	643773.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
983	643798.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
984	643823.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
985	643848.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
986	643873.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
987	643898.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
988	643923.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
989	643948.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
990	643973.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
991	643998.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
992	644023.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
993	644048.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
994	644073.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
995	644098.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
996	644123.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
997	644148.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
998	644173.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
999	644198.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
1000	644223.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
1001	644248.5	4167436.2	Roadway/Waterway	Scenario 3	--	--	--
1002	641323.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1003	641348.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1004	641373.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1005	641398.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1006	641423.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1007	641448.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1008	641473.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1009	641498.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1010	641523.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1011	641548.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1012	641573.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1013	641598.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1014	641623.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1015	641648.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1016	641673.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1017	641698.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1018	643248.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1019	643273.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1020	643298.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1021	643923.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1022	643948.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1023	643973.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1024	643998.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1025	644023.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1026	644048.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1027	644073.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1028	644098.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1029	644123.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1030	644148.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1031	644173.5	4167461.2	Roadway/Waterway	Scenario 3	--	--	--
1032	641273.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1033	641298.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1034	641323.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1035	641348.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1036	641373.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1037	641398.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1038	641423.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1039	641448.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1040	641473.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1041	641498.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1042	641523.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1043	641548.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1044	641573.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1045	641598.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1046	643223.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1047	643248.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1048	643273.5	4167486.2	Roadway/Waterway	Scenario 3	--	--	--
1049	641198.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--
1050	641223.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--
1051	641248.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--
1052	641273.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--
1053	641298.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--
1054	641323.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--
1055	641348.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--
1056	641373.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--
1057	641398.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--
1058	641423.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1059	641448.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--
1060	641473.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--
1061	641498.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--
1062	641523.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--
1063	643223.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--
1064	643248.5	4167511.2	Roadway/Waterway	Scenario 3	--	--	--
1065	641098.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1066	641123.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1067	641148.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1068	641173.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1069	641198.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1070	641223.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1071	641248.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1072	641273.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1073	641298.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1074	641323.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1075	641348.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1076	641373.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1077	641398.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1078	641423.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1079	643198.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1080	643223.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1081	643248.5	4167536.2	Roadway/Waterway	Scenario 3	--	--	--
1082	641023.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1083	641048.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1084	641073.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1085	641098.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1086	641123.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1087	641148.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1088	641173.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1089	641198.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1090	641223.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1091	641248.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1092	641273.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1093	641298.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1094	641323.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1095	641348.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1096	643173.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1097	643198.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1098	643223.5	4167561.2	Roadway/Waterway	Scenario 3	--	--	--
1099	640923.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1100	640948.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1101	640973.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1102	640998.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1103	641023.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1104	641048.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1105	641073.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1106	641098.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1107	641123.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1108	641148.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1109	641173.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1110	641198.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1111	641223.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1112	641248.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1113	641273.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1114	643148.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1115	643173.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1116	643198.5	4167586.2	Roadway/Waterway	Scenario 3	--	--	--
1117	640823.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1118	640848.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1119	640873.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1120	640898.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1121	640923.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1122	640948.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1123	640973.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1124	640998.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1125	641023.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1126	641048.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1127	641073.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1128	641098.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1129	641123.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1130	641148.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1131	641173.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1132	643123.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1133	643148.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1134	643173.5	4167611.2	Roadway/Waterway	Scenario 3	--	--	--
1135	640723.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1136	640748.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1137	640773.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1138	640798.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1139	640823.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1140	640848.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1141	640873.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1142	640898.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1143	640923.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1144	640948.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1145	640973.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1146	640998.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1147	641023.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1148	641048.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1149	641073.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1150	641098.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1151	643123.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1152	643148.5	4167636.2	Roadway/Waterway	Scenario 3	--	--	--
1153	640623.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1154	640648.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1155	640673.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1156	640698.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1157	640723.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1158	640748.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1159	640773.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1160	640798.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1161	640823.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1162	640848.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1163	640873.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1164	640898.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1165	640923.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1166	640948.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1167	640973.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1168	640998.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1169	643098.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1170	643123.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1171	643148.5	4167661.2	Roadway/Waterway	Scenario 3	--	--	--
1172	640523.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1173	640548.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1174	640573.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1175	640598.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1176	640623.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1177	640648.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1178	640673.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1179	640698.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1180	640723.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1181	640748.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1182	640773.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1183	640798.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1184	640823.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1185	640848.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1186	640873.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1187	640898.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1188	643073.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1189	643098.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1190	643123.5	4167686.2	Roadway/Waterway	Scenario 3	--	--	--
1191	640423.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1192	640448.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1193	640473.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1194	640498.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1195	640523.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1196	640548.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1197	640573.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1198	640598.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1199	640623.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1200	640648.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1201	640673.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1202	640698.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1203	640723.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1204	640748.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1205	640773.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1206	640798.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1207	643048.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1208	643073.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1209	643098.5	4167711.2	Roadway/Waterway	Scenario 3	--	--	--
1210	640373.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1211	640398.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1212	640423.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1213	640448.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1214	640473.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1215	640498.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1216	640523.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1217	640548.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1218	640573.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1219	640598.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1220	640623.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1221	640648.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1222	640673.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1223	640698.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1224	640723.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1225	643023.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1226	643048.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1227	643073.5	4167736.2	Roadway/Waterway	Scenario 3	--	--	--
1228	640323.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1229	640348.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1230	640373.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1231	640398.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1232	640423.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1233	640448.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1234	640473.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1235	640498.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1236	640523.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1237	640548.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1238	640573.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1239	640598.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1240	640623.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1241	643023.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1242	643048.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1243	643073.5	4167761.2	Roadway/Waterway	Scenario 3	--	--	--
1244	640273.5	4167786.2	Roadway/Waterway	Scenario 3	--	--	--
1245	640298.5	4167786.2	Roadway/Waterway	Scenario 3	--	--	--
1246	640323.5	4167786.2	Roadway/Waterway	Scenario 3	--	--	--
1247	640348.5	4167786.2	Roadway/Waterway	Scenario 3	--	--	--
1248	640373.5	4167786.2	Roadway/Waterway	Scenario 3	--	--	--
1249	640398.5	4167786.2	Roadway/Waterway	Scenario 3	--	--	--
1250	640423.5	4167786.2	Roadway/Waterway	Scenario 3	--	--	--
1251	640448.5	4167786.2	Roadway/Waterway	Scenario 3	--	--	--
1252	640473.5	4167786.2	Roadway/Waterway	Scenario 3	--	--	--
1253	640498.5	4167786.2	Roadway/Waterway	Scenario 3	--	--	--
1254	640523.5	4167786.2	Roadway/Waterway	Scenario 3	--	--	--
1255	642998.5	4167786.2	Roadway/Waterway	Scenario 3	--	--	--
1256	643023.5	4167786.2	Roadway/Waterway	Scenario 3	--	--	--
1257	643048.5	4167786.2	Roadway/Waterway	Scenario 3	--	--	--
1258	640223.5	4167811.2	Roadway/Waterway	Scenario 3	--	--	--
1259	640248.5	4167811.2	Roadway/Waterway	Scenario 3	--	--	--
1260	640273.5	4167811.2	Roadway/Waterway	Scenario 3	--	--	--
1261	640298.5	4167811.2	Roadway/Waterway	Scenario 3	--	--	--
1262	640323.5	4167811.2	Roadway/Waterway	Scenario 3	--	--	--
1263	640348.5	4167811.2	Roadway/Waterway	Scenario 3	--	--	--
1264	640373.5	4167811.2	Roadway/Waterway	Scenario 3	--	--	--
1265	640398.5	4167811.2	Roadway/Waterway	Scenario 3	--	--	--
1266	640423.5	4167811.2	Roadway/Waterway	Scenario 3	--	--	--
1267	642973.5	4167811.2	Roadway/Waterway	Scenario 3	--	--	--
1268	642998.5	4167811.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1269	643023.5	4167811.2	Roadway/Waterway	Scenario 3	--	--	--
1270	640198.5	4167836.2	Roadway/Waterway	Scenario 3	--	--	--
1271	640223.5	4167836.2	Roadway/Waterway	Scenario 3	--	--	--
1272	640248.5	4167836.2	Roadway/Waterway	Scenario 3	--	--	--
1273	640273.5	4167836.2	Roadway/Waterway	Scenario 3	--	--	--
1274	640298.5	4167836.2	Roadway/Waterway	Scenario 3	--	--	--
1275	640323.5	4167836.2	Roadway/Waterway	Scenario 3	--	--	--
1276	640348.5	4167836.2	Roadway/Waterway	Scenario 3	--	--	--
1277	640373.5	4167836.2	Roadway/Waterway	Scenario 3	--	--	--
1278	642923.5	4167836.2	Roadway/Waterway	Scenario 3	--	--	--
1279	642948.5	4167836.2	Roadway/Waterway	Scenario 3	--	--	--
1280	642973.5	4167836.2	Roadway/Waterway	Scenario 3	--	--	--
1281	642998.5	4167836.2	Roadway/Waterway	Scenario 3	--	--	--
1282	640148.5	4167861.2	Roadway/Waterway	Scenario 3	--	--	--
1283	640173.5	4167861.2	Roadway/Waterway	Scenario 3	--	--	--
1284	640198.5	4167861.2	Roadway/Waterway	Scenario 3	--	--	--
1285	640223.5	4167861.2	Roadway/Waterway	Scenario 3	--	--	--
1286	640248.5	4167861.2	Roadway/Waterway	Scenario 3	--	--	--
1287	640273.5	4167861.2	Roadway/Waterway	Scenario 3	--	--	--
1288	640298.5	4167861.2	Roadway/Waterway	Scenario 3	--	--	--
1289	640323.5	4167861.2	Roadway/Waterway	Scenario 3	--	--	--
1290	642898.5	4167861.2	Roadway/Waterway	Scenario 3	--	--	--
1291	642923.5	4167861.2	Roadway/Waterway	Scenario 3	--	--	--
1292	642948.5	4167861.2	Roadway/Waterway	Scenario 3	--	--	--
1293	642973.5	4167861.2	Roadway/Waterway	Scenario 3	--	--	--
1294	640123.5	4167886.2	Roadway/Waterway	Scenario 3	--	--	--
1295	640148.5	4167886.2	Roadway/Waterway	Scenario 3	--	--	--
1296	640173.5	4167886.2	Roadway/Waterway	Scenario 3	--	--	--
1297	640198.5	4167886.2	Roadway/Waterway	Scenario 3	--	--	--
1298	640223.5	4167886.2	Roadway/Waterway	Scenario 3	--	--	--
1299	640248.5	4167886.2	Roadway/Waterway	Scenario 3	--	--	--
1300	640273.5	4167886.2	Roadway/Waterway	Scenario 3	--	--	--
1301	642848.5	4167886.2	Roadway/Waterway	Scenario 3	--	--	--
1302	642873.5	4167886.2	Roadway/Waterway	Scenario 3	--	--	--
1303	642898.5	4167886.2	Roadway/Waterway	Scenario 3	--	--	--
1304	642923.5	4167886.2	Roadway/Waterway	Scenario 3	--	--	--
1305	642948.5	4167886.2	Roadway/Waterway	Scenario 3	--	--	--
1306	640073.5	4167911.2	Roadway/Waterway	Scenario 3	--	--	--
1307	640098.5	4167911.2	Roadway/Waterway	Scenario 3	--	--	--
1308	640123.5	4167911.2	Roadway/Waterway	Scenario 3	--	--	--
1309	640148.5	4167911.2	Roadway/Waterway	Scenario 3	--	--	--
1310	640173.5	4167911.2	Roadway/Waterway	Scenario 3	--	--	--
1311	640198.5	4167911.2	Roadway/Waterway	Scenario 3	--	--	--
1312	640223.5	4167911.2	Roadway/Waterway	Scenario 3	--	--	--
1313	640248.5	4167911.2	Roadway/Waterway	Scenario 3	--	--	--
1314	642823.5	4167911.2	Roadway/Waterway	Scenario 3	--	--	--
1315	642848.5	4167911.2	Roadway/Waterway	Scenario 3	--	--	--
1316	642873.5	4167911.2	Roadway/Waterway	Scenario 3	--	--	--
1317	642898.5	4167911.2	Roadway/Waterway	Scenario 3	--	--	--
1318	642923.5	4167911.2	Roadway/Waterway	Scenario 3	--	--	--
1319	640048.5	4167936.2	Roadway/Waterway	Scenario 3	--	--	--
1320	640073.5	4167936.2	Roadway/Waterway	Scenario 3	--	--	--
1321	640098.5	4167936.2	Roadway/Waterway	Scenario 3	--	--	--
1322	640123.5	4167936.2	Roadway/Waterway	Scenario 3	--	--	--
1323	640148.5	4167936.2	Roadway/Waterway	Scenario 3	--	--	--
1324	640173.5	4167936.2	Roadway/Waterway	Scenario 3	--	--	--
1325	640198.5	4167936.2	Roadway/Waterway	Scenario 3	--	--	--
1326	642773.5	4167936.2	Roadway/Waterway	Scenario 3	--	--	--
1327	642798.5	4167936.2	Roadway/Waterway	Scenario 3	--	--	--
1328	642823.5	4167936.2	Roadway/Waterway	Scenario 3	--	--	--
1329	642848.5	4167936.2	Roadway/Waterway	Scenario 3	--	--	--
1330	642873.5	4167936.2	Roadway/Waterway	Scenario 3	--	--	--
1331	639998.5	4167961.2	Roadway/Waterway	Scenario 3	--	--	--
1332	640023.5	4167961.2	Roadway/Waterway	Scenario 3	--	--	--
1333	640048.5	4167961.2	Roadway/Waterway	Scenario 3	--	--	--
1334	640073.5	4167961.2	Roadway/Waterway	Scenario 3	--	--	--
1335	640098.5	4167961.2	Roadway/Waterway	Scenario 3	--	--	--
1336	640123.5	4167961.2	Roadway/Waterway	Scenario 3	--	--	--
1337	640148.5	4167961.2	Roadway/Waterway	Scenario 3	--	--	--
1338	640173.5	4167961.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1339	642748.5	4167961.2	Roadway/Waterway	Scenario 3	--	--	--
1340	642773.5	4167961.2	Roadway/Waterway	Scenario 3	--	--	--
1341	642798.5	4167961.2	Roadway/Waterway	Scenario 3	--	--	--
1342	642823.5	4167961.2	Roadway/Waterway	Scenario 3	--	--	--
1343	642848.5	4167961.2	Roadway/Waterway	Scenario 3	--	--	--
1344	639973.5	4167986.2	Roadway/Waterway	Scenario 3	--	--	--
1345	639998.5	4167986.2	Roadway/Waterway	Scenario 3	--	--	--
1346	640023.5	4167986.2	Roadway/Waterway	Scenario 3	--	--	--
1347	640048.5	4167986.2	Roadway/Waterway	Scenario 3	--	--	--
1348	640073.5	4167986.2	Roadway/Waterway	Scenario 3	--	--	--
1349	640098.5	4167986.2	Roadway/Waterway	Scenario 3	--	--	--
1350	640123.5	4167986.2	Roadway/Waterway	Scenario 3	--	--	--
1351	642698.5	4167986.2	Roadway/Waterway	Scenario 3	--	--	--
1352	642723.5	4167986.2	Roadway/Waterway	Scenario 3	--	--	--
1353	642748.5	4167986.2	Roadway/Waterway	Scenario 3	--	--	--
1354	642773.5	4167986.2	Roadway/Waterway	Scenario 3	--	--	--
1355	642798.5	4167986.2	Roadway/Waterway	Scenario 3	--	--	--
1356	639923.5	4168011.2	Roadway/Waterway	Scenario 3	--	--	--
1357	639948.5	4168011.2	Roadway/Waterway	Scenario 3	--	--	--
1358	639973.5	4168011.2	Roadway/Waterway	Scenario 3	--	--	--
1359	639998.5	4168011.2	Roadway/Waterway	Scenario 3	--	--	--
1360	640023.5	4168011.2	Roadway/Waterway	Scenario 3	--	--	--
1361	640048.5	4168011.2	Roadway/Waterway	Scenario 3	--	--	--
1362	640073.5	4168011.2	Roadway/Waterway	Scenario 3	--	--	--
1363	640098.5	4168011.2	Roadway/Waterway	Scenario 3	--	--	--
1364	642648.5	4168011.2	Roadway/Waterway	Scenario 3	--	--	--
1365	642673.5	4168011.2	Roadway/Waterway	Scenario 3	--	--	--
1366	642698.5	4168011.2	Roadway/Waterway	Scenario 3	--	--	--
1367	642723.5	4168011.2	Roadway/Waterway	Scenario 3	--	--	--
1368	642748.5	4168011.2	Roadway/Waterway	Scenario 3	--	--	--
1369	642773.5	4168011.2	Roadway/Waterway	Scenario 3	--	--	--
1370	639898.5	4168036.2	Roadway/Waterway	Scenario 3	--	--	--
1371	639923.5	4168036.2	Roadway/Waterway	Scenario 3	--	--	--
1372	639948.5	4168036.2	Roadway/Waterway	Scenario 3	--	--	--
1373	639973.5	4168036.2	Roadway/Waterway	Scenario 3	--	--	--
1374	639998.5	4168036.2	Roadway/Waterway	Scenario 3	--	--	--
1375	640023.5	4168036.2	Roadway/Waterway	Scenario 3	--	--	--
1376	640048.5	4168036.2	Roadway/Waterway	Scenario 3	--	--	--
1377	642623.5	4168036.2	Roadway/Waterway	Scenario 3	--	--	--
1378	642648.5	4168036.2	Roadway/Waterway	Scenario 3	--	--	--
1379	642673.5	4168036.2	Roadway/Waterway	Scenario 3	--	--	--
1380	642698.5	4168036.2	Roadway/Waterway	Scenario 3	--	--	--
1381	642723.5	4168036.2	Roadway/Waterway	Scenario 3	--	--	--
1382	639848.5	4168061.2	Roadway/Waterway	Scenario 3	--	--	--
1383	639873.5	4168061.2	Roadway/Waterway	Scenario 3	--	--	--
1384	639898.5	4168061.2	Roadway/Waterway	Scenario 3	--	--	--
1385	639923.5	4168061.2	Roadway/Waterway	Scenario 3	--	--	--
1386	639948.5	4168061.2	Roadway/Waterway	Scenario 3	--	--	--
1387	639973.5	4168061.2	Roadway/Waterway	Scenario 3	--	--	--
1388	639998.5	4168061.2	Roadway/Waterway	Scenario 3	--	--	--
1389	642573.5	4168061.2	Roadway/Waterway	Scenario 3	--	--	--
1390	642598.5	4168061.2	Roadway/Waterway	Scenario 3	--	--	--
1391	642623.5	4168061.2	Roadway/Waterway	Scenario 3	--	--	--
1392	642648.5	4168061.2	Roadway/Waterway	Scenario 3	--	--	--
1393	642673.5	4168061.2	Roadway/Waterway	Scenario 3	--	--	--
1394	639823.5	4168086.2	Roadway/Waterway	Scenario 3	--	--	--
1395	639848.5	4168086.2	Roadway/Waterway	Scenario 3	--	--	--
1396	639873.5	4168086.2	Roadway/Waterway	Scenario 3	--	--	--
1397	639898.5	4168086.2	Roadway/Waterway	Scenario 3	--	--	--
1398	639923.5	4168086.2	Roadway/Waterway	Scenario 3	--	--	--
1399	639948.5	4168086.2	Roadway/Waterway	Scenario 3	--	--	--
1400	639973.5	4168086.2	Roadway/Waterway	Scenario 3	--	--	--
1401	642548.5	4168086.2	Roadway/Waterway	Scenario 3	--	--	--
1402	642573.5	4168086.2	Roadway/Waterway	Scenario 3	--	--	--
1403	642598.5	4168086.2	Roadway/Waterway	Scenario 3	--	--	--
1404	642623.5	4168086.2	Roadway/Waterway	Scenario 3	--	--	--
1405	642648.5	4168086.2	Roadway/Waterway	Scenario 3	--	--	--
1406	639773.5	4168111.2	Roadway/Waterway	Scenario 3	--	--	--
1407	639798.5	4168111.2	Roadway/Waterway	Scenario 3	--	--	--
1408	639823.5	4168111.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1409	639848.5	4168111.2	Roadway/Waterway	Scenario 3	--	--	--
1410	639873.5	4168111.2	Roadway/Waterway	Scenario 3	--	--	--
1411	639898.5	4168111.2	Roadway/Waterway	Scenario 3	--	--	--
1412	639923.5	4168111.2	Roadway/Waterway	Scenario 3	--	--	--
1413	642498.5	4168111.2	Roadway/Waterway	Scenario 3	--	--	--
1414	642523.5	4168111.2	Roadway/Waterway	Scenario 3	--	--	--
1415	642548.5	4168111.2	Roadway/Waterway	Scenario 3	--	--	--
1416	642573.5	4168111.2	Roadway/Waterway	Scenario 3	--	--	--
1417	642598.5	4168111.2	Roadway/Waterway	Scenario 3	--	--	--
1418	639748.5	4168136.2	Roadway/Waterway	Scenario 3	--	--	--
1419	639773.5	4168136.2	Roadway/Waterway	Scenario 3	--	--	--
1420	639798.5	4168136.2	Roadway/Waterway	Scenario 3	--	--	--
1421	639823.5	4168136.2	Roadway/Waterway	Scenario 3	--	--	--
1422	639848.5	4168136.2	Roadway/Waterway	Scenario 3	--	--	--
1423	639873.5	4168136.2	Roadway/Waterway	Scenario 3	--	--	--
1424	639898.5	4168136.2	Roadway/Waterway	Scenario 3	--	--	--
1425	642473.5	4168136.2	Roadway/Waterway	Scenario 3	--	--	--
1426	642498.5	4168136.2	Roadway/Waterway	Scenario 3	--	--	--
1427	642523.5	4168136.2	Roadway/Waterway	Scenario 3	--	--	--
1428	642548.5	4168136.2	Roadway/Waterway	Scenario 3	--	--	--
1429	642573.5	4168136.2	Roadway/Waterway	Scenario 3	--	--	--
1430	639698.5	4168161.2	Roadway/Waterway	Scenario 3	--	--	--
1431	639723.5	4168161.2	Roadway/Waterway	Scenario 3	--	--	--
1432	639748.5	4168161.2	Roadway/Waterway	Scenario 3	--	--	--
1433	639773.5	4168161.2	Roadway/Waterway	Scenario 3	--	--	--
1434	639798.5	4168161.2	Roadway/Waterway	Scenario 3	--	--	--
1435	639823.5	4168161.2	Roadway/Waterway	Scenario 3	--	--	--
1436	639848.5	4168161.2	Roadway/Waterway	Scenario 3	--	--	--
1437	642448.5	4168161.2	Roadway/Waterway	Scenario 3	--	--	--
1438	642473.5	4168161.2	Roadway/Waterway	Scenario 3	--	--	--
1439	642498.5	4168161.2	Roadway/Waterway	Scenario 3	--	--	--
1440	642523.5	4168161.2	Roadway/Waterway	Scenario 3	--	--	--
1441	639673.5	4168186.2	Roadway/Waterway	Scenario 3	--	--	--
1442	639698.5	4168186.2	Roadway/Waterway	Scenario 3	--	--	--
1443	639723.5	4168186.2	Roadway/Waterway	Scenario 3	--	--	--
1444	639748.5	4168186.2	Roadway/Waterway	Scenario 3	--	--	--
1445	639773.5	4168186.2	Roadway/Waterway	Scenario 3	--	--	--
1446	639798.5	4168186.2	Roadway/Waterway	Scenario 3	--	--	--
1447	639823.5	4168186.2	Roadway/Waterway	Scenario 3	--	--	--
1448	642423.5	4168186.2	Roadway/Waterway	Scenario 3	--	--	--
1449	642448.5	4168186.2	Roadway/Waterway	Scenario 3	--	--	--
1450	642473.5	4168186.2	Roadway/Waterway	Scenario 3	--	--	--
1451	642498.5	4168186.2	Roadway/Waterway	Scenario 3	--	--	--
1452	639648.5	4168211.2	Roadway/Waterway	Scenario 3	--	--	--
1453	639673.5	4168211.2	Roadway/Waterway	Scenario 3	--	--	--
1454	639698.5	4168211.2	Roadway/Waterway	Scenario 3	--	--	--
1455	639723.5	4168211.2	Roadway/Waterway	Scenario 3	--	--	--
1456	639748.5	4168211.2	Roadway/Waterway	Scenario 3	--	--	--
1457	639773.5	4168211.2	Roadway/Waterway	Scenario 3	--	--	--
1458	642398.5	4168211.2	Roadway/Waterway	Scenario 3	--	--	--
1459	642423.5	4168211.2	Roadway/Waterway	Scenario 3	--	--	--
1460	642448.5	4168211.2	Roadway/Waterway	Scenario 3	--	--	--
1461	642473.5	4168211.2	Roadway/Waterway	Scenario 3	--	--	--
1462	639648.5	4168236.2	Roadway/Waterway	Scenario 3	--	--	--
1463	639673.5	4168236.2	Roadway/Waterway	Scenario 3	--	--	--
1464	639698.5	4168236.2	Roadway/Waterway	Scenario 3	--	--	--
1465	639723.5	4168236.2	Roadway/Waterway	Scenario 3	--	--	--
1466	639748.5	4168236.2	Roadway/Waterway	Scenario 3	--	--	--
1467	642373.5	4168236.2	Roadway/Waterway	Scenario 3	--	--	--
1468	642398.5	4168236.2	Roadway/Waterway	Scenario 3	--	--	--
1469	642423.5	4168236.2	Roadway/Waterway	Scenario 3	--	--	--
1470	642448.5	4168236.2	Roadway/Waterway	Scenario 3	--	--	--
1471	639648.5	4168261.2	Roadway/Waterway	Scenario 3	--	--	--
1472	639673.5	4168261.2	Roadway/Waterway	Scenario 3	--	--	--
1473	639698.5	4168261.2	Roadway/Waterway	Scenario 3	--	--	--
1474	642348.5	4168261.2	Roadway/Waterway	Scenario 3	--	--	--
1475	642373.5	4168261.2	Roadway/Waterway	Scenario 3	--	--	--
1476	642398.5	4168261.2	Roadway/Waterway	Scenario 3	--	--	--
1477	642423.5	4168261.2	Roadway/Waterway	Scenario 3	--	--	--
1478	639648.5	4168286.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1479	639673.5	4168286.2	Roadway/Waterway	Scenario 3	--	--	--
1480	642298.5	4168286.2	Roadway/Waterway	Scenario 3	--	--	--
1481	642323.5	4168286.2	Roadway/Waterway	Scenario 3	--	--	--
1482	642348.5	4168286.2	Roadway/Waterway	Scenario 3	--	--	--
1483	642373.5	4168286.2	Roadway/Waterway	Scenario 3	--	--	--
1484	642398.5	4168286.2	Roadway/Waterway	Scenario 3	--	--	--
1485	639723.5	4168311.2	Roadway/Waterway	Scenario 3	--	--	--
1486	642248.5	4168311.2	Roadway/Waterway	Scenario 3	--	--	--
1487	642273.5	4168311.2	Roadway/Waterway	Scenario 3	--	--	--
1488	642298.5	4168311.2	Roadway/Waterway	Scenario 3	--	--	--
1489	642323.5	4168311.2	Roadway/Waterway	Scenario 3	--	--	--
1490	642348.5	4168311.2	Roadway/Waterway	Scenario 3	--	--	--
1491	642373.5	4168311.2	Roadway/Waterway	Scenario 3	--	--	--
1492	639723.5	4168336.2	Roadway/Waterway	Scenario 3	--	--	--
1493	642198.5	4168336.2	Roadway/Waterway	Scenario 3	--	--	--
1494	642223.5	4168336.2	Roadway/Waterway	Scenario 3	--	--	--
1495	642248.5	4168336.2	Roadway/Waterway	Scenario 3	--	--	--
1496	642273.5	4168336.2	Roadway/Waterway	Scenario 3	--	--	--
1497	642298.5	4168336.2	Roadway/Waterway	Scenario 3	--	--	--
1498	642323.5	4168336.2	Roadway/Waterway	Scenario 3	--	--	--
1499	639373.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1500	639398.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1501	639423.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1502	639448.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1503	639473.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1504	639498.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1505	639523.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1506	639548.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1507	639723.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1508	642148.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1509	642173.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1510	642198.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1511	642223.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1512	642248.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1513	642273.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1514	642298.5	4168361.2	Roadway/Waterway	Scenario 3	--	--	--
1515	639323.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1516	639348.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1517	639373.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1518	639398.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1519	639423.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1520	639448.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1521	639473.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1522	639498.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1523	639723.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1524	642098.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1525	642123.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1526	642148.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1527	642173.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1528	642198.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1529	642223.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1530	642248.5	4168386.2	Roadway/Waterway	Scenario 3	--	--	--
1531	639298.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1532	639323.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1533	639348.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1534	639373.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1535	639398.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1536	639423.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1537	639448.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1538	639473.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1539	639723.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1540	642023.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1541	642048.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1542	642073.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1543	642098.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1544	642123.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1545	642148.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1546	642173.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1547	642198.5	4168411.2	Roadway/Waterway	Scenario 3	--	--	--
1548	639248.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1549	639273.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--
1550	639298.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--
1551	639323.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--
1552	639348.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--
1553	639373.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--
1554	639398.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--
1555	639423.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--
1556	639723.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--
1557	641973.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--
1558	641998.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--
1559	642023.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--
1560	642048.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--
1561	642073.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--
1562	642098.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--
1563	642123.5	4168436.2	Roadway/Waterway	Scenario 3	--	--	--
1564	639198.5	4168461.2	Roadway/Waterway	Scenario 3	--	--	--
1565	639223.5	4168461.2	Roadway/Waterway	Scenario 3	--	--	--
1566	639248.5	4168461.2	Roadway/Waterway	Scenario 3	--	--	--
1567	639273.5	4168461.2	Roadway/Waterway	Scenario 3	--	--	--
1568	639298.5	4168461.2	Roadway/Waterway	Scenario 3	--	--	--
1569	639323.5	4168461.2	Roadway/Waterway	Scenario 3	--	--	--
1570	639348.5	4168461.2	Roadway/Waterway	Scenario 3	--	--	--
1571	639373.5	4168461.2	Roadway/Waterway	Scenario 3	--	--	--
1572	641923.5	4168461.2	Roadway/Waterway	Scenario 3	--	--	--
1573	641948.5	4168461.2	Roadway/Waterway	Scenario 3	--	--	--
1574	641973.5	4168461.2	Roadway/Waterway	Scenario 3	--	--	--
1575	641998.5	4168461.2	Roadway/Waterway	Scenario 3	--	--	--
1576	642023.5	4168461.2	Roadway/Waterway	Scenario 3	--	--	--
1577	642048.5	4168461.2	Roadway/Waterway	Scenario 3	--	--	--
1578	642073.5	4168461.2	Roadway/Waterway	Scenario 3	--	--	--
1579	639173.5	4168486.2	Roadway/Waterway	Scenario 3	--	--	--
1580	639198.5	4168486.2	Roadway/Waterway	Scenario 3	--	--	--
1581	639223.5	4168486.2	Roadway/Waterway	Scenario 3	--	--	--
1582	639248.5	4168486.2	Roadway/Waterway	Scenario 3	--	--	--
1583	639273.5	4168486.2	Roadway/Waterway	Scenario 3	--	--	--
1584	639298.5	4168486.2	Roadway/Waterway	Scenario 3	--	--	--
1585	639323.5	4168486.2	Roadway/Waterway	Scenario 3	--	--	--
1586	641848.5	4168486.2	Roadway/Waterway	Scenario 3	--	--	--
1587	641873.5	4168486.2	Roadway/Waterway	Scenario 3	--	--	--
1588	641898.5	4168486.2	Roadway/Waterway	Scenario 3	--	--	--
1589	641923.5	4168486.2	Roadway/Waterway	Scenario 3	--	--	--
1590	641948.5	4168486.2	Roadway/Waterway	Scenario 3	--	--	--
1591	641973.5	4168486.2	Roadway/Waterway	Scenario 3	--	--	--
1592	641998.5	4168486.2	Roadway/Waterway	Scenario 3	--	--	--
1593	642023.5	4168486.2	Roadway/Waterway	Scenario 3	--	--	--
1594	639123.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1595	639148.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1596	639173.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1597	639198.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1598	639223.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1599	639248.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1600	639273.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1601	639298.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1602	641348.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1603	641798.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1604	641823.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1605	641848.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1606	641873.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1607	641898.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1608	641923.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1609	641948.5	4168511.2	Roadway/Waterway	Scenario 3	--	--	--
1610	639073.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1611	639098.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1612	639123.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1613	639148.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1614	639173.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1615	639198.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1616	639223.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1617	639248.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1618	641348.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1619	641723.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1620	641748.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1621	641773.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1622	641798.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1623	641823.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1624	641848.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1625	641873.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1626	641898.5	4168536.2	Roadway/Waterway	Scenario 3	--	--	--
1627	639048.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1628	639073.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1629	639098.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1630	639123.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1631	639148.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1632	639173.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1633	639198.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1634	641348.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1635	641648.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1636	641673.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1637	641698.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1638	641723.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1639	641748.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1640	641773.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1641	641798.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1642	641823.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1643	641848.5	4168561.2	Roadway/Waterway	Scenario 3	--	--	--
1644	638998.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1645	639023.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1646	639048.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1647	639073.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1648	639098.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1649	639123.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1650	639148.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1651	639173.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1652	641348.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1653	641573.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1654	641598.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1655	641623.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1656	641648.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1657	641673.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1658	641698.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1659	641723.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1660	641748.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1661	641773.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1662	641798.5	4168586.2	Roadway/Waterway	Scenario 3	--	--	--
1663	638948.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1664	638973.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1665	638998.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1666	639023.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1667	639048.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1668	639073.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1669	639098.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1670	639123.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1671	641348.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1672	641498.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1673	641523.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1674	641548.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1675	641573.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1676	641598.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1677	641623.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1678	641648.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1679	641673.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1680	641698.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1681	641723.5	4168611.2	Roadway/Waterway	Scenario 3	--	--	--
1682	638923.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1683	638948.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1684	638973.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1685	638998.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1686	639023.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1687	639048.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1688	639073.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1689	641348.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1690	641423.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1691	641448.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1692	641473.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1693	641498.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1694	641523.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1695	641548.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1696	641573.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1697	641598.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1698	641623.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1699	641648.5	4168636.2	Roadway/Waterway	Scenario 3	--	--	--
1700	638873.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1701	638898.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1702	638923.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1703	638948.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1704	638973.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1705	638998.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1706	639023.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1707	639048.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1708	641348.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1709	641373.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1710	641398.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1711	641423.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1712	641448.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1713	641473.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1714	641498.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1715	641523.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1716	641548.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1717	641573.5	4168661.2	Roadway/Waterway	Scenario 3	--	--	--
1718	638823.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1719	638848.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1720	638873.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1721	638898.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1722	638923.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1723	638948.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1724	638973.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1725	638998.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1726	641273.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1727	641298.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1728	641323.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1729	641348.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1730	641373.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1731	641398.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1732	641423.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1733	641448.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1734	641473.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1735	641498.5	4168686.2	Roadway/Waterway	Scenario 3	--	--	--
1736	638773.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1737	638798.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1738	638823.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1739	638848.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1740	638873.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1741	638898.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1742	638923.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1743	638948.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1744	641198.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1745	641223.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1746	641248.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1747	641273.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1748	641298.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1749	641323.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1750	641348.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1751	641373.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1752	641398.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1753	641423.5	4168711.2	Roadway/Waterway	Scenario 3	--	--	--
1754	638748.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1755	638773.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1756	638798.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1757	638823.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1758	638848.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1759	638873.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1760	638898.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1761	638923.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1762	640123.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1763	640148.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1764	640173.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1765	640198.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1766	640223.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1767	640248.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1768	640273.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1769	640298.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1770	641123.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1771	641148.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1772	641173.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1773	641198.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1774	641223.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1775	641248.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1776	641273.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1777	641298.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1778	641323.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1779	641348.5	4168736.2	Roadway/Waterway	Scenario 3	--	--	--
1780	638698.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1781	638723.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1782	638748.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1783	638773.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1784	638798.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1785	638823.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1786	638848.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1787	638873.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1788	640098.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1789	640123.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1790	640148.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1791	640173.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1792	640198.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1793	640223.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1794	640248.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1795	640273.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1796	640298.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1797	640323.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1798	640348.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1799	641048.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1800	641073.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1801	641098.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1802	641123.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1803	641148.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1804	641173.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1805	641198.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1806	641223.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1807	641248.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1808	641273.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
1809	638673.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1810	638698.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1811	638723.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1812	638748.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1813	638773.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1814	638798.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1815	638823.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1816	640048.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1817	640073.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1818	640098.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1819	640123.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1820	640148.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1821	640173.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1822	640198.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1823	640223.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1824	640248.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1825	640273.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1826	640298.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1827	640323.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1828	640348.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1829	640373.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1830	640398.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1831	640973.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1832	640998.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1833	641023.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1834	641048.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1835	641073.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1836	641098.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1837	641123.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1838	641148.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1839	641173.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1840	641198.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1841	641223.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
1842	638648.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1843	638673.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1844	638698.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1845	638723.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1846	638748.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1847	638773.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1848	638798.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1849	640048.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1850	640073.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1851	640098.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1852	640123.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1853	640148.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1854	640173.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1855	640198.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1856	640223.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1857	640248.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1858	640273.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1859	640298.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1860	640323.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1861	640348.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1862	640373.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1863	640398.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1864	640423.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1865	640448.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1866	640898.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1867	640923.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1868	640948.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1869	640973.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1870	640998.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1871	641023.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1872	641048.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1873	641073.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1874	641098.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1875	641123.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1876	641148.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
1877	638598.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1878	638623.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1879	638648.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1880	638673.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1881	638698.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1882	638723.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1883	638748.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1884	640023.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1885	640048.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1886	640073.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1887	640098.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1888	640123.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1889	640148.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1890	640298.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1891	640323.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1892	640348.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1893	640373.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1894	640398.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1895	640423.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1896	640448.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1897	640473.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1898	640498.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1899	640823.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1900	640848.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1901	640873.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1902	640898.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1903	640923.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1904	640948.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1905	640973.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1906	640998.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1907	641023.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1908	641048.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1909	641073.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
1910	638573.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1911	638598.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1912	638623.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1913	638648.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1914	638673.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1915	638698.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1916	638723.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1917	639998.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1918	640023.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1919	640048.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1920	640073.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1921	640098.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1922	640348.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1923	640373.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1924	640398.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1925	640423.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1926	640448.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1927	640473.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1928	640498.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1929	640523.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1930	640548.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1931	640748.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1932	640773.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1933	640798.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1934	640823.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1935	640848.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1936	640873.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1937	640898.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1938	640923.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1939	640948.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1940	640973.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1941	640998.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
1942	638548.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1943	638573.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1944	638598.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1945	638623.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1946	638648.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1947	638673.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1948	639973.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1949	639998.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1950	640023.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1951	640048.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1952	640073.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1953	640398.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1954	640423.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1955	640448.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1956	640473.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1957	640498.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1958	640523.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1959	640548.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1960	640573.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1961	640598.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1962	640623.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1963	640648.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1964	640673.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1965	640698.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1966	640723.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1967	640748.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1968	640773.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1969	640798.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1970	640823.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1971	640848.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1972	640873.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1973	640898.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1974	640923.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
1975	638523.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1976	638548.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1977	638573.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1978	638598.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1979	638623.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1980	638648.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1981	639948.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1982	639973.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1983	639998.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1984	640023.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1985	640048.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1986	640448.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1987	640473.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1988	640498.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1989	640523.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1990	640548.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1991	640573.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1992	640598.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1993	640623.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1994	640648.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1995	640673.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1996	640698.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1997	640723.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1998	640748.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
1999	640773.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
2000	640798.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
2001	640823.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
2002	640848.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
2003	638473.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2004	638498.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2005	638523.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2006	638548.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2007	638573.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2008	638598.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2009	638623.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2010	639923.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2011	639948.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2012	639973.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2013	639998.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2014	640023.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2015	640448.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2016	640473.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2017	640498.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2018	640523.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2019	640548.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2020	640573.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2021	640598.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2022	640623.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2023	640648.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2024	640673.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2025	640698.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2026	640723.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2027	640748.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
2028	638448.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2029	638473.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2030	638498.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2031	638523.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2032	638548.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2033	638573.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2034	639898.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2035	639923.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2036	639948.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2037	639973.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2038	639998.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2039	640023.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2040	640448.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2041	640473.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2042	640498.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2043	640523.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2044	640598.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2045	640623.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2046	640648.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2047	640673.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
2048	638423.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2049	638448.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2050	638473.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2051	638498.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2052	638523.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2053	638548.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2054	639873.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2055	639898.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2056	639923.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2057	639948.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2058	639973.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2059	639998.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2060	640448.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2061	640473.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2062	640498.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2063	640523.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
2064	638398.5	4169011.2	Roadway/Waterway	Scenario 3	--	--	--
2065	638423.5	4169011.2	Roadway/Waterway	Scenario 3	--	--	--
2066	638448.5	4169011.2	Roadway/Waterway	Scenario 3	--	--	--
2067	638473.5	4169011.2	Roadway/Waterway	Scenario 3	--	--	--
2068	638498.5	4169011.2	Roadway/Waterway	Scenario 3	--	--	--
2069	638523.5	4169011.2	Roadway/Waterway	Scenario 3	--	--	--
2070	639848.5	4169011.2	Roadway/Waterway	Scenario 3	--	--	--
2071	639873.5	4169011.2	Roadway/Waterway	Scenario 3	--	--	--
2072	639898.5	4169011.2	Roadway/Waterway	Scenario 3	--	--	--
2073	639923.5	4169011.2	Roadway/Waterway	Scenario 3	--	--	--
2074	639948.5	4169011.2	Roadway/Waterway	Scenario 3	--	--	--
2075	639973.5	4169011.2	Roadway/Waterway	Scenario 3	--	--	--
2076	640473.5	4169011.2	Roadway/Waterway	Scenario 3	--	--	--
2077	640498.5	4169011.2	Roadway/Waterway	Scenario 3	--	--	--
2078	638373.5	4169036.2	Roadway/Waterway	Scenario 3	--	--	--
2079	638398.5	4169036.2	Roadway/Waterway	Scenario 3	--	--	--
2080	638423.5	4169036.2	Roadway/Waterway	Scenario 3	--	--	--
2081	638448.5	4169036.2	Roadway/Waterway	Scenario 3	--	--	--
2082	638473.5	4169036.2	Roadway/Waterway	Scenario 3	--	--	--
2083	638498.5	4169036.2	Roadway/Waterway	Scenario 3	--	--	--
2084	639823.5	4169036.2	Roadway/Waterway	Scenario 3	--	--	--
2085	639848.5	4169036.2	Roadway/Waterway	Scenario 3	--	--	--
2086	639873.5	4169036.2	Roadway/Waterway	Scenario 3	--	--	--
2087	639898.5	4169036.2	Roadway/Waterway	Scenario 3	--	--	--
2088	639923.5	4169036.2	Roadway/Waterway	Scenario 3	--	--	--
2089	639948.5	4169036.2	Roadway/Waterway	Scenario 3	--	--	--
2090	640498.5	4169036.2	Roadway/Waterway	Scenario 3	--	--	--
2091	638348.5	4169061.2	Roadway/Waterway	Scenario 3	--	--	--
2092	638373.5	4169061.2	Roadway/Waterway	Scenario 3	--	--	--
2093	638398.5	4169061.2	Roadway/Waterway	Scenario 3	--	--	--
2094	638423.5	4169061.2	Roadway/Waterway	Scenario 3	--	--	--
2095	638448.5	4169061.2	Roadway/Waterway	Scenario 3	--	--	--
2096	639823.5	4169061.2	Roadway/Waterway	Scenario 3	--	--	--
2097	639848.5	4169061.2	Roadway/Waterway	Scenario 3	--	--	--
2098	639873.5	4169061.2	Roadway/Waterway	Scenario 3	--	--	--
2099	639898.5	4169061.2	Roadway/Waterway	Scenario 3	--	--	--
2100	639923.5	4169061.2	Roadway/Waterway	Scenario 3	--	--	--
2101	640498.5	4169061.2	Roadway/Waterway	Scenario 3	--	--	--
2102	638323.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2103	638348.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2104	638373.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2105	638398.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2106	638423.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2107	638448.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2108	639648.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2109	639673.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2110	639698.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2111	639723.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2112	639748.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2113	639773.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2114	639798.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2115	639823.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2116	639848.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2117	639873.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2118	639898.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2119	640498.5	4169086.2	Roadway/Waterway	Scenario 3	--	--	--
2120	638298.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2121	638323.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2122	638348.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2123	638373.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2124	638398.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2125	638423.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2126	639598.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2127	639623.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2128	639648.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2129	639673.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2130	639698.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2131	639723.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2132	639748.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2133	639773.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2134	639798.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2135	639823.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2136	639848.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2137	639873.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2138	640498.5	4169111.2	Roadway/Waterway	Scenario 3	--	--	--
2139	638273.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2140	638298.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2141	638323.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2142	638348.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2143	638373.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2144	638398.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2145	639573.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2146	639598.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2147	639623.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2148	639648.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2149	639673.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2150	639698.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2151	639723.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2152	639748.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2153	639773.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2154	639798.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2155	639823.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2156	639848.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2157	640498.5	4169136.2	Roadway/Waterway	Scenario 3	--	--	--
2158	638248.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2159	638273.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2160	638298.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2161	638323.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2162	638348.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2163	638373.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2164	639548.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2165	639573.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2166	639598.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2167	639623.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2168	639648.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2169	639673.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2170	639698.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2171	639723.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2172	639748.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2173	639773.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2174	639798.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2175	639823.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2176	640498.5	4169161.2	Roadway/Waterway	Scenario 3	--	--	--
2177	638223.5	4169186.2	Roadway/Waterway	Scenario 3	--	--	--
2178	638248.5	4169186.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2179	638273.5	4169186.2	Roadway/Waterway	Scenario 3	--	--	--
2180	638298.5	4169186.2	Roadway/Waterway	Scenario 3	--	--	--
2181	638323.5	4169186.2	Roadway/Waterway	Scenario 3	--	--	--
2182	638348.5	4169186.2	Roadway/Waterway	Scenario 3	--	--	--
2183	639548.5	4169186.2	Roadway/Waterway	Scenario 3	--	--	--
2184	639573.5	4169186.2	Roadway/Waterway	Scenario 3	--	--	--
2185	639598.5	4169186.2	Roadway/Waterway	Scenario 3	--	--	--
2186	639623.5	4169186.2	Roadway/Waterway	Scenario 3	--	--	--
2187	639648.5	4169186.2	Roadway/Waterway	Scenario 3	--	--	--
2188	640498.5	4169186.2	Roadway/Waterway	Scenario 3	--	--	--
2189	638198.5	4169211.2	Roadway/Waterway	Scenario 3	--	--	--
2190	638223.5	4169211.2	Roadway/Waterway	Scenario 3	--	--	--
2191	638248.5	4169211.2	Roadway/Waterway	Scenario 3	--	--	--
2192	638273.5	4169211.2	Roadway/Waterway	Scenario 3	--	--	--
2193	638298.5	4169211.2	Roadway/Waterway	Scenario 3	--	--	--
2194	638323.5	4169211.2	Roadway/Waterway	Scenario 3	--	--	--
2195	639523.5	4169211.2	Roadway/Waterway	Scenario 3	--	--	--
2196	639548.5	4169211.2	Roadway/Waterway	Scenario 3	--	--	--
2197	639573.5	4169211.2	Roadway/Waterway	Scenario 3	--	--	--
2198	639598.5	4169211.2	Roadway/Waterway	Scenario 3	--	--	--
2199	639623.5	4169211.2	Roadway/Waterway	Scenario 3	--	--	--
2200	638173.5	4169236.2	Roadway/Waterway	Scenario 3	--	--	--
2201	638198.5	4169236.2	Roadway/Waterway	Scenario 3	--	--	--
2202	638223.5	4169236.2	Roadway/Waterway	Scenario 3	--	--	--
2203	638248.5	4169236.2	Roadway/Waterway	Scenario 3	--	--	--
2204	638273.5	4169236.2	Roadway/Waterway	Scenario 3	--	--	--
2205	638298.5	4169236.2	Roadway/Waterway	Scenario 3	--	--	--
2206	639523.5	4169236.2	Roadway/Waterway	Scenario 3	--	--	--
2207	639548.5	4169236.2	Roadway/Waterway	Scenario 3	--	--	--
2208	639573.5	4169236.2	Roadway/Waterway	Scenario 3	--	--	--
2209	639598.5	4169236.2	Roadway/Waterway	Scenario 3	--	--	--
2210	638148.5	4169261.2	Roadway/Waterway	Scenario 3	--	--	--
2211	638173.5	4169261.2	Roadway/Waterway	Scenario 3	--	--	--
2212	638198.5	4169261.2	Roadway/Waterway	Scenario 3	--	--	--
2213	638223.5	4169261.2	Roadway/Waterway	Scenario 3	--	--	--
2214	638248.5	4169261.2	Roadway/Waterway	Scenario 3	--	--	--
2215	638273.5	4169261.2	Roadway/Waterway	Scenario 3	--	--	--
2216	639498.5	4169261.2	Roadway/Waterway	Scenario 3	--	--	--
2217	639523.5	4169261.2	Roadway/Waterway	Scenario 3	--	--	--
2218	639548.5	4169261.2	Roadway/Waterway	Scenario 3	--	--	--
2219	639573.5	4169261.2	Roadway/Waterway	Scenario 3	--	--	--
2220	639598.5	4169261.2	Roadway/Waterway	Scenario 3	--	--	--
2221	638123.5	4169286.2	Roadway/Waterway	Scenario 3	--	--	--
2222	638148.5	4169286.2	Roadway/Waterway	Scenario 3	--	--	--
2223	638173.5	4169286.2	Roadway/Waterway	Scenario 3	--	--	--
2224	638198.5	4169286.2	Roadway/Waterway	Scenario 3	--	--	--
2225	638223.5	4169286.2	Roadway/Waterway	Scenario 3	--	--	--
2226	638248.5	4169286.2	Roadway/Waterway	Scenario 3	--	--	--
2227	639473.5	4169286.2	Roadway/Waterway	Scenario 3	--	--	--
2228	639498.5	4169286.2	Roadway/Waterway	Scenario 3	--	--	--
2229	639523.5	4169286.2	Roadway/Waterway	Scenario 3	--	--	--
2230	639548.5	4169286.2	Roadway/Waterway	Scenario 3	--	--	--
2231	639573.5	4169286.2	Roadway/Waterway	Scenario 3	--	--	--
2232	638098.5	4169311.2	Roadway/Waterway	Scenario 3	--	--	--
2233	638123.5	4169311.2	Roadway/Waterway	Scenario 3	--	--	--
2234	638148.5	4169311.2	Roadway/Waterway	Scenario 3	--	--	--
2235	638173.5	4169311.2	Roadway/Waterway	Scenario 3	--	--	--
2236	638198.5	4169311.2	Roadway/Waterway	Scenario 3	--	--	--
2237	638223.5	4169311.2	Roadway/Waterway	Scenario 3	--	--	--
2238	639473.5	4169311.2	Roadway/Waterway	Scenario 3	--	--	--
2239	639498.5	4169311.2	Roadway/Waterway	Scenario 3	--	--	--
2240	639523.5	4169311.2	Roadway/Waterway	Scenario 3	--	--	--
2241	639548.5	4169311.2	Roadway/Waterway	Scenario 3	--	--	--
2242	638073.5	4169336.2	Roadway/Waterway	Scenario 3	--	--	--
2243	638098.5	4169336.2	Roadway/Waterway	Scenario 3	--	--	--
2244	638123.5	4169336.2	Roadway/Waterway	Scenario 3	--	--	--
2245	638148.5	4169336.2	Roadway/Waterway	Scenario 3	--	--	--
2246	638173.5	4169336.2	Roadway/Waterway	Scenario 3	--	--	--
2247	638198.5	4169336.2	Roadway/Waterway	Scenario 3	--	--	--
2248	639448.5	4169336.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2249	639473.5	4169336.2	Roadway/Waterway	Scenario 3	--	--	--
2250	639498.5	4169336.2	Roadway/Waterway	Scenario 3	--	--	--
2251	639523.5	4169336.2	Roadway/Waterway	Scenario 3	--	--	--
2252	639548.5	4169336.2	Roadway/Waterway	Scenario 3	--	--	--
2253	638048.5	4169361.2	Roadway/Waterway	Scenario 3	--	--	--
2254	638073.5	4169361.2	Roadway/Waterway	Scenario 3	--	--	--
2255	638098.5	4169361.2	Roadway/Waterway	Scenario 3	--	--	--
2256	638123.5	4169361.2	Roadway/Waterway	Scenario 3	--	--	--
2257	638148.5	4169361.2	Roadway/Waterway	Scenario 3	--	--	--
2258	638173.5	4169361.2	Roadway/Waterway	Scenario 3	--	--	--
2259	639398.5	4169361.2	Roadway/Waterway	Scenario 3	--	--	--
2260	639423.5	4169361.2	Roadway/Waterway	Scenario 3	--	--	--
2261	639448.5	4169361.2	Roadway/Waterway	Scenario 3	--	--	--
2262	639473.5	4169361.2	Roadway/Waterway	Scenario 3	--	--	--
2263	639498.5	4169361.2	Roadway/Waterway	Scenario 3	--	--	--
2264	639523.5	4169361.2	Roadway/Waterway	Scenario 3	--	--	--
2265	638023.5	4169386.2	Roadway/Waterway	Scenario 3	--	--	--
2266	638048.5	4169386.2	Roadway/Waterway	Scenario 3	--	--	--
2267	638073.5	4169386.2	Roadway/Waterway	Scenario 3	--	--	--
2268	638098.5	4169386.2	Roadway/Waterway	Scenario 3	--	--	--
2269	638123.5	4169386.2	Roadway/Waterway	Scenario 3	--	--	--
2270	638148.5	4169386.2	Roadway/Waterway	Scenario 3	--	--	--
2271	639373.5	4169386.2	Roadway/Waterway	Scenario 3	--	--	--
2272	639398.5	4169386.2	Roadway/Waterway	Scenario 3	--	--	--
2273	639423.5	4169386.2	Roadway/Waterway	Scenario 3	--	--	--
2274	639448.5	4169386.2	Roadway/Waterway	Scenario 3	--	--	--
2275	639473.5	4169386.2	Roadway/Waterway	Scenario 3	--	--	--
2276	639498.5	4169386.2	Roadway/Waterway	Scenario 3	--	--	--
2277	641323.5	4169386.2	Roadway/Waterway	Scenario 3	--	--	--
2278	638023.5	4169411.2	Roadway/Waterway	Scenario 3	--	--	--
2279	638048.5	4169411.2	Roadway/Waterway	Scenario 3	--	--	--
2280	638073.5	4169411.2	Roadway/Waterway	Scenario 3	--	--	--
2281	638098.5	4169411.2	Roadway/Waterway	Scenario 3	--	--	--
2282	638123.5	4169411.2	Roadway/Waterway	Scenario 3	--	--	--
2283	639348.5	4169411.2	Roadway/Waterway	Scenario 3	--	--	--
2284	639373.5	4169411.2	Roadway/Waterway	Scenario 3	--	--	--
2285	639398.5	4169411.2	Roadway/Waterway	Scenario 3	--	--	--
2286	639423.5	4169411.2	Roadway/Waterway	Scenario 3	--	--	--
2287	639448.5	4169411.2	Roadway/Waterway	Scenario 3	--	--	--
2288	639473.5	4169411.2	Roadway/Waterway	Scenario 3	--	--	--
2289	641323.5	4169411.2	Roadway/Waterway	Scenario 3	--	--	--
2290	637998.5	4169436.2	Roadway/Waterway	Scenario 3	--	--	--
2291	638023.5	4169436.2	Roadway/Waterway	Scenario 3	--	--	--
2292	638048.5	4169436.2	Roadway/Waterway	Scenario 3	--	--	--
2293	638073.5	4169436.2	Roadway/Waterway	Scenario 3	--	--	--
2294	638098.5	4169436.2	Roadway/Waterway	Scenario 3	--	--	--
2295	639323.5	4169436.2	Roadway/Waterway	Scenario 3	--	--	--
2296	639348.5	4169436.2	Roadway/Waterway	Scenario 3	--	--	--
2297	639373.5	4169436.2	Roadway/Waterway	Scenario 3	--	--	--
2298	639398.5	4169436.2	Roadway/Waterway	Scenario 3	--	--	--
2299	639423.5	4169436.2	Roadway/Waterway	Scenario 3	--	--	--
2300	639448.5	4169436.2	Roadway/Waterway	Scenario 3	--	--	--
2301	641323.5	4169436.2	Roadway/Waterway	Scenario 3	--	--	--
2302	637998.5	4169461.2	Roadway/Waterway	Scenario 3	--	--	--
2303	638023.5	4169461.2	Roadway/Waterway	Scenario 3	--	--	--
2304	638048.5	4169461.2	Roadway/Waterway	Scenario 3	--	--	--
2305	638073.5	4169461.2	Roadway/Waterway	Scenario 3	--	--	--
2306	639298.5	4169461.2	Roadway/Waterway	Scenario 3	--	--	--
2307	639323.5	4169461.2	Roadway/Waterway	Scenario 3	--	--	--
2308	639348.5	4169461.2	Roadway/Waterway	Scenario 3	--	--	--
2309	639373.5	4169461.2	Roadway/Waterway	Scenario 3	--	--	--
2310	639398.5	4169461.2	Roadway/Waterway	Scenario 3	--	--	--
2311	639423.5	4169461.2	Roadway/Waterway	Scenario 3	--	--	--
2312	641323.5	4169461.2	Roadway/Waterway	Scenario 3	--	--	--
2313	637998.5	4169486.2	Roadway/Waterway	Scenario 3	--	--	--
2314	638023.5	4169486.2	Roadway/Waterway	Scenario 3	--	--	--
2315	638048.5	4169486.2	Roadway/Waterway	Scenario 3	--	--	--
2316	639248.5	4169486.2	Roadway/Waterway	Scenario 3	--	--	--
2317	639273.5	4169486.2	Roadway/Waterway	Scenario 3	--	--	--
2318	639298.5	4169486.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2319	639323.5	4169486.2	Roadway/Waterway	Scenario 3	--	--	--
2320	639348.5	4169486.2	Roadway/Waterway	Scenario 3	--	--	--
2321	639373.5	4169486.2	Roadway/Waterway	Scenario 3	--	--	--
2322	637998.5	4169511.2	Roadway/Waterway	Scenario 3	--	--	--
2323	638023.5	4169511.2	Roadway/Waterway	Scenario 3	--	--	--
2324	639223.5	4169511.2	Roadway/Waterway	Scenario 3	--	--	--
2325	639248.5	4169511.2	Roadway/Waterway	Scenario 3	--	--	--
2326	639273.5	4169511.2	Roadway/Waterway	Scenario 3	--	--	--
2327	639298.5	4169511.2	Roadway/Waterway	Scenario 3	--	--	--
2328	639323.5	4169511.2	Roadway/Waterway	Scenario 3	--	--	--
2329	639348.5	4169511.2	Roadway/Waterway	Scenario 3	--	--	--
2330	637998.5	4169536.2	Roadway/Waterway	Scenario 3	--	--	--
2331	639198.5	4169536.2	Roadway/Waterway	Scenario 3	--	--	--
2332	639223.5	4169536.2	Roadway/Waterway	Scenario 3	--	--	--
2333	639248.5	4169536.2	Roadway/Waterway	Scenario 3	--	--	--
2334	639273.5	4169536.2	Roadway/Waterway	Scenario 3	--	--	--
2335	639298.5	4169536.2	Roadway/Waterway	Scenario 3	--	--	--
2336	639323.5	4169536.2	Roadway/Waterway	Scenario 3	--	--	--
2337	639173.5	4169561.2	Roadway/Waterway	Scenario 3	--	--	--
2338	639198.5	4169561.2	Roadway/Waterway	Scenario 3	--	--	--
2339	639223.5	4169561.2	Roadway/Waterway	Scenario 3	--	--	--
2340	639248.5	4169561.2	Roadway/Waterway	Scenario 3	--	--	--
2341	639273.5	4169561.2	Roadway/Waterway	Scenario 3	--	--	--
2342	639298.5	4169561.2	Roadway/Waterway	Scenario 3	--	--	--
2343	639123.5	4169586.2	Roadway/Waterway	Scenario 3	--	--	--
2344	639148.5	4169586.2	Roadway/Waterway	Scenario 3	--	--	--
2345	639173.5	4169586.2	Roadway/Waterway	Scenario 3	--	--	--
2346	639198.5	4169586.2	Roadway/Waterway	Scenario 3	--	--	--
2347	639223.5	4169586.2	Roadway/Waterway	Scenario 3	--	--	--
2348	639248.5	4169586.2	Roadway/Waterway	Scenario 3	--	--	--
2349	639273.5	4169586.2	Roadway/Waterway	Scenario 3	--	--	--
2350	639098.5	4169611.2	Roadway/Waterway	Scenario 3	--	--	--
2351	639123.5	4169611.2	Roadway/Waterway	Scenario 3	--	--	--
2352	639148.5	4169611.2	Roadway/Waterway	Scenario 3	--	--	--
2353	639173.5	4169611.2	Roadway/Waterway	Scenario 3	--	--	--
2354	639198.5	4169611.2	Roadway/Waterway	Scenario 3	--	--	--
2355	639223.5	4169611.2	Roadway/Waterway	Scenario 3	--	--	--
2356	639073.5	4169636.2	Roadway/Waterway	Scenario 3	--	--	--
2357	639098.5	4169636.2	Roadway/Waterway	Scenario 3	--	--	--
2358	639123.5	4169636.2	Roadway/Waterway	Scenario 3	--	--	--
2359	639148.5	4169636.2	Roadway/Waterway	Scenario 3	--	--	--
2360	639173.5	4169636.2	Roadway/Waterway	Scenario 3	--	--	--
2361	639198.5	4169636.2	Roadway/Waterway	Scenario 3	--	--	--
2362	639048.5	4169661.2	Roadway/Waterway	Scenario 3	--	--	--
2363	639073.5	4169661.2	Roadway/Waterway	Scenario 3	--	--	--
2364	639098.5	4169661.2	Roadway/Waterway	Scenario 3	--	--	--
2365	639123.5	4169661.2	Roadway/Waterway	Scenario 3	--	--	--
2366	639148.5	4169661.2	Roadway/Waterway	Scenario 3	--	--	--
2367	639173.5	4169661.2	Roadway/Waterway	Scenario 3	--	--	--
2368	639023.5	4169686.2	Roadway/Waterway	Scenario 3	--	--	--
2369	639048.5	4169686.2	Roadway/Waterway	Scenario 3	--	--	--
2370	639073.5	4169686.2	Roadway/Waterway	Scenario 3	--	--	--
2371	639098.5	4169686.2	Roadway/Waterway	Scenario 3	--	--	--
2372	639123.5	4169686.2	Roadway/Waterway	Scenario 3	--	--	--
2373	639148.5	4169686.2	Roadway/Waterway	Scenario 3	--	--	--
2374	638998.5	4169711.2	Roadway/Waterway	Scenario 3	--	--	--
2375	639023.5	4169711.2	Roadway/Waterway	Scenario 3	--	--	--
2376	639048.5	4169711.2	Roadway/Waterway	Scenario 3	--	--	--
2377	639073.5	4169711.2	Roadway/Waterway	Scenario 3	--	--	--
2378	639098.5	4169711.2	Roadway/Waterway	Scenario 3	--	--	--
2379	639123.5	4169711.2	Roadway/Waterway	Scenario 3	--	--	--
2380	638973.5	4169736.2	Roadway/Waterway	Scenario 3	--	--	--
2381	638998.5	4169736.2	Roadway/Waterway	Scenario 3	--	--	--
2382	639023.5	4169736.2	Roadway/Waterway	Scenario 3	--	--	--
2383	639048.5	4169736.2	Roadway/Waterway	Scenario 3	--	--	--
2384	639073.5	4169736.2	Roadway/Waterway	Scenario 3	--	--	--
2385	638948.5	4169761.2	Roadway/Waterway	Scenario 3	--	--	--
2386	638973.5	4169761.2	Roadway/Waterway	Scenario 3	--	--	--
2387	638998.5	4169761.2	Roadway/Waterway	Scenario 3	--	--	--
2388	639023.5	4169761.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2389	639048.5	4169761.2	Roadway/Waterway	Scenario 3	--	--	--
2390	638948.5	4169786.2	Roadway/Waterway	Scenario 3	--	--	--
2391	638973.5	4169786.2	Roadway/Waterway	Scenario 3	--	--	--
2392	638998.5	4169786.2	Roadway/Waterway	Scenario 3	--	--	--
2393	639023.5	4169786.2	Roadway/Waterway	Scenario 3	--	--	--
2394	638923.5	4169811.2	Roadway/Waterway	Scenario 3	--	--	--
2395	638948.5	4169811.2	Roadway/Waterway	Scenario 3	--	--	--
2396	638973.5	4169811.2	Roadway/Waterway	Scenario 3	--	--	--
2397	638998.5	4169811.2	Roadway/Waterway	Scenario 3	--	--	--
2398	639023.5	4169811.2	Roadway/Waterway	Scenario 3	--	--	--
2399	638898.5	4169836.2	Roadway/Waterway	Scenario 3	--	--	--
2400	638923.5	4169836.2	Roadway/Waterway	Scenario 3	--	--	--
2401	638948.5	4169836.2	Roadway/Waterway	Scenario 3	--	--	--
2402	638973.5	4169836.2	Roadway/Waterway	Scenario 3	--	--	--
2403	638998.5	4169836.2	Roadway/Waterway	Scenario 3	--	--	--
2404	638873.5	4169861.2	Roadway/Waterway	Scenario 3	--	--	--
2405	638898.5	4169861.2	Roadway/Waterway	Scenario 3	--	--	--
2406	638923.5	4169861.2	Roadway/Waterway	Scenario 3	--	--	--
2407	638948.5	4169861.2	Roadway/Waterway	Scenario 3	--	--	--
2408	638973.5	4169861.2	Roadway/Waterway	Scenario 3	--	--	--
2409	638848.5	4169886.2	Roadway/Waterway	Scenario 3	--	--	--
2410	638873.5	4169886.2	Roadway/Waterway	Scenario 3	--	--	--
2411	638898.5	4169886.2	Roadway/Waterway	Scenario 3	--	--	--
2412	638923.5	4169886.2	Roadway/Waterway	Scenario 3	--	--	--
2413	638948.5	4169886.2	Roadway/Waterway	Scenario 3	--	--	--
2414	638823.5	4169911.2	Roadway/Waterway	Scenario 3	--	--	--
2415	638848.5	4169911.2	Roadway/Waterway	Scenario 3	--	--	--
2416	638873.5	4169911.2	Roadway/Waterway	Scenario 3	--	--	--
2417	638898.5	4169911.2	Roadway/Waterway	Scenario 3	--	--	--
2418	638923.5	4169911.2	Roadway/Waterway	Scenario 3	--	--	--
2419	638798.5	4169936.2	Roadway/Waterway	Scenario 3	--	--	--
2420	638823.5	4169936.2	Roadway/Waterway	Scenario 3	--	--	--
2421	638848.5	4169936.2	Roadway/Waterway	Scenario 3	--	--	--
2422	638873.5	4169936.2	Roadway/Waterway	Scenario 3	--	--	--
2423	638898.5	4169936.2	Roadway/Waterway	Scenario 3	--	--	--
2424	638798.5	4169961.2	Roadway/Waterway	Scenario 3	--	--	--
2425	638823.5	4169961.2	Roadway/Waterway	Scenario 3	--	--	--
2426	638848.5	4169961.2	Roadway/Waterway	Scenario 3	--	--	--
2427	638873.5	4169961.2	Roadway/Waterway	Scenario 3	--	--	--
2428	638798.5	4169986.2	Roadway/Waterway	Scenario 3	--	--	--
2429	638823.5	4169986.2	Roadway/Waterway	Scenario 3	--	--	--
2430	638848.5	4169986.2	Roadway/Waterway	Scenario 3	--	--	--
2431	638873.5	4169986.2	Roadway/Waterway	Scenario 3	--	--	--
2432	638098.5	4170011.2	Roadway/Waterway	Scenario 3	--	--	--
2433	638123.5	4170011.2	Roadway/Waterway	Scenario 3	--	--	--
2434	638148.5	4170011.2	Roadway/Waterway	Scenario 3	--	--	--
2435	638173.5	4170011.2	Roadway/Waterway	Scenario 3	--	--	--
2436	638198.5	4170011.2	Roadway/Waterway	Scenario 3	--	--	--
2437	638223.5	4170011.2	Roadway/Waterway	Scenario 3	--	--	--
2438	638248.5	4170011.2	Roadway/Waterway	Scenario 3	--	--	--
2439	638273.5	4170011.2	Roadway/Waterway	Scenario 3	--	--	--
2440	638298.5	4170011.2	Roadway/Waterway	Scenario 3	--	--	--
2441	638773.5	4170011.2	Roadway/Waterway	Scenario 3	--	--	--
2442	638798.5	4170011.2	Roadway/Waterway	Scenario 3	--	--	--
2443	638823.5	4170011.2	Roadway/Waterway	Scenario 3	--	--	--
2444	638848.5	4170011.2	Roadway/Waterway	Scenario 3	--	--	--
2445	638773.5	4170036.2	Roadway/Waterway	Scenario 3	--	--	--
2446	638798.5	4170036.2	Roadway/Waterway	Scenario 3	--	--	--
2447	638823.5	4170036.2	Roadway/Waterway	Scenario 3	--	--	--
2448	638848.5	4170036.2	Roadway/Waterway	Scenario 3	--	--	--
2449	638773.5	4170061.2	Roadway/Waterway	Scenario 3	--	--	--
2450	638798.5	4170061.2	Roadway/Waterway	Scenario 3	--	--	--
2451	638823.5	4170061.2	Roadway/Waterway	Scenario 3	--	--	--
2452	638848.5	4170061.2	Roadway/Waterway	Scenario 3	--	--	--
2453	638748.5	4170086.2	Roadway/Waterway	Scenario 3	--	--	--
2454	638773.5	4170086.2	Roadway/Waterway	Scenario 3	--	--	--
2455	638798.5	4170086.2	Roadway/Waterway	Scenario 3	--	--	--
2456	638823.5	4170086.2	Roadway/Waterway	Scenario 3	--	--	--
2457	638723.5	4170111.2	Roadway/Waterway	Scenario 3	--	--	--
2458	638748.5	4170111.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2459	638773.5	4170111.2	Roadway/Waterway	Scenario 3	--	--	--
2460	638798.5	4170111.2	Roadway/Waterway	Scenario 3	--	--	--
2461	642611.0	4166673.7	Roadway/Waterway	Scenario 3	--	--	--
2462	642661.0	4166673.7	Roadway/Waterway	Scenario 3	--	--	--
2463	642461.0	4166723.7	Roadway/Waterway	Scenario 3	--	--	--
2464	642511.0	4166723.7	Roadway/Waterway	Scenario 3	--	--	--
2465	642561.0	4166723.7	Roadway/Waterway	Scenario 3	--	--	--
2466	642611.0	4166723.7	Roadway/Waterway	Scenario 3	--	--	--
2467	641311.0	4166773.7	Roadway/Waterway	Scenario 3	--	--	--
2468	641361.0	4166773.7	Roadway/Waterway	Scenario 3	--	--	--
2469	641411.0	4166773.7	Roadway/Waterway	Scenario 3	--	--	--
2470	642411.0	4166773.7	Roadway/Waterway	Scenario 3	--	--	--
2471	642461.0	4166773.7	Roadway/Waterway	Scenario 3	--	--	--
2472	642511.0	4166773.7	Roadway/Waterway	Scenario 3	--	--	--
2473	642561.0	4166773.7	Roadway/Waterway	Scenario 3	--	--	--
2474	641261.0	4166823.7	Roadway/Waterway	Scenario 3	--	--	--
2475	641311.0	4166823.7	Roadway/Waterway	Scenario 3	--	--	--
2476	641361.0	4166823.7	Roadway/Waterway	Scenario 3	--	--	--
2477	641411.0	4166823.7	Roadway/Waterway	Scenario 3	--	--	--
2478	641461.0	4166823.7	Roadway/Waterway	Scenario 3	--	--	--
2479	642361.0	4166823.7	Roadway/Waterway	Scenario 3	--	--	--
2480	642411.0	4166823.7	Roadway/Waterway	Scenario 3	--	--	--
2481	642461.0	4166823.7	Roadway/Waterway	Scenario 3	--	--	--
2482	642511.0	4166823.7	Roadway/Waterway	Scenario 3	--	--	--
2483	642561.0	4166823.7	Roadway/Waterway	Scenario 3	--	--	--
2484	644361.0	4166823.7	Roadway/Waterway	Scenario 3	--	--	--
2485	644561.0	4166823.7	Roadway/Waterway	Scenario 3	--	--	--
2486	644611.0	4166823.7	Roadway/Waterway	Scenario 3	--	--	--
2487	644661.0	4166823.7	Roadway/Waterway	Scenario 3	--	--	--
2488	641211.0	4166873.7	Roadway/Waterway	Scenario 3	--	--	--
2489	641261.0	4166873.7	Roadway/Waterway	Scenario 3	--	--	--
2490	641311.0	4166873.7	Roadway/Waterway	Scenario 3	--	--	--
2491	641361.0	4166873.7	Roadway/Waterway	Scenario 3	--	--	--
2492	641411.0	4166873.7	Roadway/Waterway	Scenario 3	--	--	--
2493	641461.0	4166873.7	Roadway/Waterway	Scenario 3	--	--	--
2494	642311.0	4166873.7	Roadway/Waterway	Scenario 3	--	--	--
2495	644411.0	4166873.7	Roadway/Waterway	Scenario 3	--	--	--
2496	644461.0	4166873.7	Roadway/Waterway	Scenario 3	--	--	--
2497	644511.0	4166873.7	Roadway/Waterway	Scenario 3	--	--	--
2498	644561.0	4166873.7	Roadway/Waterway	Scenario 3	--	--	--
2499	644611.0	4166873.7	Roadway/Waterway	Scenario 3	--	--	--
2500	644661.0	4166873.7	Roadway/Waterway	Scenario 3	--	--	--
2501	644711.0	4166873.7	Roadway/Waterway	Scenario 3	--	--	--
2502	641161.0	4166923.7	Roadway/Waterway	Scenario 3	--	--	--
2503	641211.0	4166923.7	Roadway/Waterway	Scenario 3	--	--	--
2504	641261.0	4166923.7	Roadway/Waterway	Scenario 3	--	--	--
2505	641311.0	4166923.7	Roadway/Waterway	Scenario 3	--	--	--
2506	644511.0	4166923.7	Roadway/Waterway	Scenario 3	--	--	--
2507	644561.0	4166923.7	Roadway/Waterway	Scenario 3	--	--	--
2508	644611.0	4166923.7	Roadway/Waterway	Scenario 3	--	--	--
2509	644661.0	4166923.7	Roadway/Waterway	Scenario 3	--	--	--
2510	644711.0	4166923.7	Roadway/Waterway	Scenario 3	--	--	--
2511	644761.0	4166923.7	Roadway/Waterway	Scenario 3	--	--	--
2512	641161.0	4166973.7	Roadway/Waterway	Scenario 3	--	--	--
2513	641211.0	4166973.7	Roadway/Waterway	Scenario 3	--	--	--
2514	641261.0	4166973.7	Roadway/Waterway	Scenario 3	--	--	--
2515	644661.0	4166973.7	Roadway/Waterway	Scenario 3	--	--	--
2516	644711.0	4167273.7	Roadway/Waterway	Scenario 3	--	--	--
2517	644761.0	4167273.7	Roadway/Waterway	Scenario 3	--	--	--
2518	644811.0	4167273.7	Roadway/Waterway	Scenario 3	--	--	--
2519	644711.0	4167323.7	Roadway/Waterway	Scenario 3	--	--	--
2520	644761.0	4167323.7	Roadway/Waterway	Scenario 3	--	--	--
2521	644811.0	4167323.7	Roadway/Waterway	Scenario 3	--	--	--
2522	641161.0	4167473.7	Roadway/Waterway	Scenario 3	--	--	--
2523	641211.0	4167473.7	Roadway/Waterway	Scenario 3	--	--	--
2524	641261.0	4167473.7	Roadway/Waterway	Scenario 3	--	--	--
2525	641011.0	4167523.7	Roadway/Waterway	Scenario 3	--	--	--
2526	641061.0	4167523.7	Roadway/Waterway	Scenario 3	--	--	--
2527	641111.0	4167523.7	Roadway/Waterway	Scenario 3	--	--	--
2528	640861.0	4167573.7	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2529	640911.0	4167573.7	Roadway/Waterway	Scenario 3	--	--	--
2530	640711.0	4167623.7	Roadway/Waterway	Scenario 3	--	--	--
2531	640561.0	4167673.7	Roadway/Waterway	Scenario 3	--	--	--
2532	640111.0	4167873.7	Roadway/Waterway	Scenario 3	--	--	--
2533	639961.0	4167973.7	Roadway/Waterway	Scenario 3	--	--	--
2534	639861.0	4168023.7	Roadway/Waterway	Scenario 3	--	--	--
2535	639811.0	4168073.7	Roadway/Waterway	Scenario 3	--	--	--
2536	639711.0	4168123.7	Roadway/Waterway	Scenario 3	--	--	--
2537	639611.0	4168173.7	Roadway/Waterway	Scenario 3	--	--	--
2538	639661.0	4168173.7	Roadway/Waterway	Scenario 3	--	--	--
2539	639561.0	4168223.7	Roadway/Waterway	Scenario 3	--	--	--
2540	639611.0	4168223.7	Roadway/Waterway	Scenario 3	--	--	--
2541	639461.0	4168273.7	Roadway/Waterway	Scenario 3	--	--	--
2542	639511.0	4168273.7	Roadway/Waterway	Scenario 3	--	--	--
2543	639561.0	4168273.7	Roadway/Waterway	Scenario 3	--	--	--
2544	639611.0	4168273.7	Roadway/Waterway	Scenario 3	--	--	--
2545	639161.0	4168323.7	Roadway/Waterway	Scenario 3	--	--	--
2546	639411.0	4168323.7	Roadway/Waterway	Scenario 3	--	--	--
2547	639461.0	4168323.7	Roadway/Waterway	Scenario 3	--	--	--
2548	639511.0	4168323.7	Roadway/Waterway	Scenario 3	--	--	--
2549	639561.0	4168323.7	Roadway/Waterway	Scenario 3	--	--	--
2550	639611.0	4168323.7	Roadway/Waterway	Scenario 3	--	--	--
2551	639061.0	4168373.7	Roadway/Waterway	Scenario 3	--	--	--
2552	639311.0	4168373.7	Roadway/Waterway	Scenario 3	--	--	--
2553	639011.0	4168423.7	Roadway/Waterway	Scenario 3	--	--	--
2554	639211.0	4168423.7	Roadway/Waterway	Scenario 3	--	--	--
2555	638911.0	4168473.7	Roadway/Waterway	Scenario 3	--	--	--
2556	638961.0	4168473.7	Roadway/Waterway	Scenario 3	--	--	--
2557	639161.0	4168473.7	Roadway/Waterway	Scenario 3	--	--	--
2558	638811.0	4168523.7	Roadway/Waterway	Scenario 3	--	--	--
2559	638861.0	4168523.7	Roadway/Waterway	Scenario 3	--	--	--
2560	639061.0	4168523.7	Roadway/Waterway	Scenario 3	--	--	--
2561	638711.0	4168573.7	Roadway/Waterway	Scenario 3	--	--	--
2562	638761.0	4168573.7	Roadway/Waterway	Scenario 3	--	--	--
2563	638811.0	4168573.7	Roadway/Waterway	Scenario 3	--	--	--
2564	638661.0	4168623.7	Roadway/Waterway	Scenario 3	--	--	--
2565	638711.0	4168623.7	Roadway/Waterway	Scenario 3	--	--	--
2566	638761.0	4168623.7	Roadway/Waterway	Scenario 3	--	--	--
2567	638911.0	4168623.7	Roadway/Waterway	Scenario 3	--	--	--
2568	638561.0	4168673.7	Roadway/Waterway	Scenario 3	--	--	--
2569	638611.0	4168673.7	Roadway/Waterway	Scenario 3	--	--	--
2570	638661.0	4168673.7	Roadway/Waterway	Scenario 3	--	--	--
2571	638511.0	4168723.7	Roadway/Waterway	Scenario 3	--	--	--
2572	638561.0	4168723.7	Roadway/Waterway	Scenario 3	--	--	--
2573	638611.0	4168723.7	Roadway/Waterway	Scenario 3	--	--	--
2574	638461.0	4168773.7	Roadway/Waterway	Scenario 3	--	--	--
2575	638511.0	4168773.7	Roadway/Waterway	Scenario 3	--	--	--
2576	638411.0	4168823.7	Roadway/Waterway	Scenario 3	--	--	--
2577	638461.0	4168823.7	Roadway/Waterway	Scenario 3	--	--	--
2578	640211.0	4168823.7	Roadway/Waterway	Scenario 3	--	--	--
2579	638311.0	4168873.7	Roadway/Waterway	Scenario 3	--	--	--
2580	638361.0	4168873.7	Roadway/Waterway	Scenario 3	--	--	--
2581	638411.0	4168873.7	Roadway/Waterway	Scenario 3	--	--	--
2582	640111.0	4168873.7	Roadway/Waterway	Scenario 3	--	--	--
2583	640161.0	4168873.7	Roadway/Waterway	Scenario 3	--	--	--
2584	640261.0	4168873.7	Roadway/Waterway	Scenario 3	--	--	--
2585	640311.0	4168873.7	Roadway/Waterway	Scenario 3	--	--	--
2586	640361.0	4168873.7	Roadway/Waterway	Scenario 3	--	--	--
2587	638261.0	4168923.7	Roadway/Waterway	Scenario 3	--	--	--
2588	638311.0	4168923.7	Roadway/Waterway	Scenario 3	--	--	--
2589	640061.0	4168923.7	Roadway/Waterway	Scenario 3	--	--	--
2590	640411.0	4168923.7	Roadway/Waterway	Scenario 3	--	--	--
2591	638211.0	4168973.7	Roadway/Waterway	Scenario 3	--	--	--
2592	638261.0	4168973.7	Roadway/Waterway	Scenario 3	--	--	--
2593	638211.0	4169023.7	Roadway/Waterway	Scenario 3	--	--	--
2594	638311.0	4169073.7	Roadway/Waterway	Scenario 3	--	--	--
2595	638111.0	4169123.7	Roadway/Waterway	Scenario 3	--	--	--
2596	638261.0	4169123.7	Roadway/Waterway	Scenario 3	--	--	--
2597	638111.0	4169173.7	Roadway/Waterway	Scenario 3	--	--	--
2598	638211.0	4169173.7	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2599	638111.0	4169223.7	Roadway/Waterway	Scenario 3	--	--	--
2600	638161.0	4169223.7	Roadway/Waterway	Scenario 3	--	--	--
2601	639711.0	4169223.7	Roadway/Waterway	Scenario 3	--	--	--
2602	638111.0	4169273.7	Roadway/Waterway	Scenario 3	--	--	--
2603	639711.0	4169273.7	Roadway/Waterway	Scenario 3	--	--	--
2604	638061.0	4169323.7	Roadway/Waterway	Scenario 3	--	--	--
2605	639711.0	4169323.7	Roadway/Waterway	Scenario 3	--	--	--
2606	638011.0	4169373.7	Roadway/Waterway	Scenario 3	--	--	--
2607	637961.0	4169423.7	Roadway/Waterway	Scenario 3	--	--	--
2608	637911.0	4169473.7	Roadway/Waterway	Scenario 3	--	--	--
2609	637961.0	4169473.7	Roadway/Waterway	Scenario 3	--	--	--
2610	637861.0	4169523.7	Roadway/Waterway	Scenario 3	--	--	--
2611	637911.0	4169523.7	Roadway/Waterway	Scenario 3	--	--	--
2612	637961.0	4169523.7	Roadway/Waterway	Scenario 3	--	--	--
2613	641311.0	4169523.7	Roadway/Waterway	Scenario 3	--	--	--
2614	637861.0	4169573.7	Roadway/Waterway	Scenario 3	--	--	--
2615	637911.0	4169573.7	Roadway/Waterway	Scenario 3	--	--	--
2616	637961.0	4169573.7	Roadway/Waterway	Scenario 3	--	--	--
2617	641311.0	4169573.7	Roadway/Waterway	Scenario 3	--	--	--
2618	637861.0	4169623.7	Roadway/Waterway	Scenario 3	--	--	--
2619	637911.0	4169623.7	Roadway/Waterway	Scenario 3	--	--	--
2620	641311.0	4169623.7	Roadway/Waterway	Scenario 3	--	--	--
2621	637861.0	4169673.7	Roadway/Waterway	Scenario 3	--	--	--
2622	638861.0	4170073.7	Roadway/Waterway	Scenario 3	--	--	--
2623	638811.0	4170123.7	Roadway/Waterway	Scenario 3	--	--	--
2624	638861.0	4170123.7	Roadway/Waterway	Scenario 3	--	--	--
2625	638661.0	4170173.7	Roadway/Waterway	Scenario 3	--	--	--
2626	638711.0	4170173.7	Roadway/Waterway	Scenario 3	--	--	--
2627	638761.0	4170173.7	Roadway/Waterway	Scenario 3	--	--	--
2628	638811.0	4170173.7	Roadway/Waterway	Scenario 3	--	--	--
2629	638611.0	4170223.7	Roadway/Waterway	Scenario 3	--	--	--
2630	638661.0	4170223.7	Roadway/Waterway	Scenario 3	--	--	--
2631	638711.0	4170223.7	Roadway/Waterway	Scenario 3	--	--	--
2632	638761.0	4170223.7	Roadway/Waterway	Scenario 3	--	--	--
2633	638711.0	4170273.7	Roadway/Waterway	Scenario 3	--	--	--
2634	644236.2	4164448.9	Roadway/Waterway	Scenario 3	--	--	--
2635	644136.2	4164548.9	Roadway/Waterway	Scenario 3	--	--	--
2636	643936.2	4164648.9	Roadway/Waterway	Scenario 3	--	--	--
2637	644036.2	4164648.9	Roadway/Waterway	Scenario 3	--	--	--
2638	644636.2	4164648.9	Roadway/Waterway	Scenario 3	--	--	--
2639	643836.2	4164748.9	Roadway/Waterway	Scenario 3	--	--	--
2640	643936.2	4164748.9	Roadway/Waterway	Scenario 3	--	--	--
2641	644636.2	4164748.9	Roadway/Waterway	Scenario 3	--	--	--
2642	643736.2	4164848.9	Roadway/Waterway	Scenario 3	--	--	--
2643	643836.2	4164848.9	Roadway/Waterway	Scenario 3	--	--	--
2644	644636.2	4164848.9	Roadway/Waterway	Scenario 3	--	--	--
2645	643636.2	4164948.9	Roadway/Waterway	Scenario 3	--	--	--
2646	644636.2	4164948.9	Roadway/Waterway	Scenario 3	--	--	--
2647	643536.2	4165048.9	Roadway/Waterway	Scenario 3	--	--	--
2648	644636.2	4165048.9	Roadway/Waterway	Scenario 3	--	--	--
2649	645836.2	4165048.9	Roadway/Waterway	Scenario 3	--	--	--
2650	645936.2	4165048.9	Roadway/Waterway	Scenario 3	--	--	--
2651	643436.2	4165148.9	Roadway/Waterway	Scenario 3	--	--	--
2652	644636.2	4165148.9	Roadway/Waterway	Scenario 3	--	--	--
2653	645836.2	4165148.9	Roadway/Waterway	Scenario 3	--	--	--
2654	643236.2	4165248.9	Roadway/Waterway	Scenario 3	--	--	--
2655	643336.2	4165248.9	Roadway/Waterway	Scenario 3	--	--	--
2656	644636.2	4165248.9	Roadway/Waterway	Scenario 3	--	--	--
2657	645736.2	4165248.9	Roadway/Waterway	Scenario 3	--	--	--
2658	645836.2	4165248.9	Roadway/Waterway	Scenario 3	--	--	--
2659	646236.2	4165248.9	Roadway/Waterway	Scenario 3	--	--	--
2660	643136.2	4165348.9	Roadway/Waterway	Scenario 3	--	--	--
2661	644636.2	4165348.9	Roadway/Waterway	Scenario 3	--	--	--
2662	645736.2	4165348.9	Roadway/Waterway	Scenario 3	--	--	--
2663	645836.2	4165348.9	Roadway/Waterway	Scenario 3	--	--	--
2664	645936.2	4165348.9	Roadway/Waterway	Scenario 3	--	--	--
2665	646036.2	4165348.9	Roadway/Waterway	Scenario 3	--	--	--
2666	646136.2	4165348.9	Roadway/Waterway	Scenario 3	--	--	--
2667	646236.2	4165348.9	Roadway/Waterway	Scenario 3	--	--	--
2668	646336.2	4165348.9	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2669	643036.2	4165448.9	Roadway/Waterway	Scenario 3	--	--	--
2670	645736.2	4165448.9	Roadway/Waterway	Scenario 3	--	--	--
2671	645836.2	4165448.9	Roadway/Waterway	Scenario 3	--	--	--
2672	646236.2	4165448.9	Roadway/Waterway	Scenario 3	--	--	--
2673	642836.2	4165548.9	Roadway/Waterway	Scenario 3	--	--	--
2674	642936.2	4165548.9	Roadway/Waterway	Scenario 3	--	--	--
2675	645736.2	4165548.9	Roadway/Waterway	Scenario 3	--	--	--
2676	645836.2	4165548.9	Roadway/Waterway	Scenario 3	--	--	--
2677	646236.2	4165548.9	Roadway/Waterway	Scenario 3	--	--	--
2678	642736.2	4165648.9	Roadway/Waterway	Scenario 3	--	--	--
2679	645636.2	4165648.9	Roadway/Waterway	Scenario 3	--	--	--
2680	645736.2	4165648.9	Roadway/Waterway	Scenario 3	--	--	--
2681	646236.2	4165648.9	Roadway/Waterway	Scenario 3	--	--	--
2682	642636.2	4165748.9	Roadway/Waterway	Scenario 3	--	--	--
2683	645436.2	4165748.9	Roadway/Waterway	Scenario 3	--	--	--
2684	645536.2	4165748.9	Roadway/Waterway	Scenario 3	--	--	--
2685	645636.2	4165748.9	Roadway/Waterway	Scenario 3	--	--	--
2686	646236.2	4165748.9	Roadway/Waterway	Scenario 3	--	--	--
2687	642436.2	4165848.9	Roadway/Waterway	Scenario 3	--	--	--
2688	642536.2	4165848.9	Roadway/Waterway	Scenario 3	--	--	--
2689	645136.2	4165848.9	Roadway/Waterway	Scenario 3	--	--	--
2690	645236.2	4165848.9	Roadway/Waterway	Scenario 3	--	--	--
2691	645336.2	4165848.9	Roadway/Waterway	Scenario 3	--	--	--
2692	646236.2	4165848.9	Roadway/Waterway	Scenario 3	--	--	--
2693	641936.2	4165948.9	Roadway/Waterway	Scenario 3	--	--	--
2694	642336.2	4165948.9	Roadway/Waterway	Scenario 3	--	--	--
2695	644836.2	4165948.9	Roadway/Waterway	Scenario 3	--	--	--
2696	644936.2	4165948.9	Roadway/Waterway	Scenario 3	--	--	--
2697	645036.2	4165948.9	Roadway/Waterway	Scenario 3	--	--	--
2698	645136.2	4165948.9	Roadway/Waterway	Scenario 3	--	--	--
2699	646236.2	4165948.9	Roadway/Waterway	Scenario 3	--	--	--
2700	641536.2	4166048.9	Roadway/Waterway	Scenario 3	--	--	--
2701	642236.2	4166048.9	Roadway/Waterway	Scenario 3	--	--	--
2702	644436.2	4166048.9	Roadway/Waterway	Scenario 3	--	--	--
2703	644536.2	4166048.9	Roadway/Waterway	Scenario 3	--	--	--
2704	644636.2	4166048.9	Roadway/Waterway	Scenario 3	--	--	--
2705	644736.2	4166048.9	Roadway/Waterway	Scenario 3	--	--	--
2706	644836.2	4166048.9	Roadway/Waterway	Scenario 3	--	--	--
2707	646236.2	4166048.9	Roadway/Waterway	Scenario 3	--	--	--
2708	642036.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2709	642136.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2710	643136.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2711	643236.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2712	643336.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2713	643436.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2714	643536.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2715	643636.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2716	643736.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2717	643836.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2718	643936.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2719	644036.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2720	644136.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2721	644236.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2722	644336.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2723	644436.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2724	646236.2	4166148.9	Roadway/Waterway	Scenario 3	--	--	--
2725	643036.2	4166248.9	Roadway/Waterway	Scenario 3	--	--	--
2726	643136.2	4166248.9	Roadway/Waterway	Scenario 3	--	--	--
2727	643236.2	4166248.9	Roadway/Waterway	Scenario 3	--	--	--
2728	643336.2	4166248.9	Roadway/Waterway	Scenario 3	--	--	--
2729	643436.2	4166248.9	Roadway/Waterway	Scenario 3	--	--	--
2730	643536.2	4166248.9	Roadway/Waterway	Scenario 3	--	--	--
2731	643636.2	4166248.9	Roadway/Waterway	Scenario 3	--	--	--
2732	643736.2	4166248.9	Roadway/Waterway	Scenario 3	--	--	--
2733	643836.2	4166248.9	Roadway/Waterway	Scenario 3	--	--	--
2734	643936.2	4166248.9	Roadway/Waterway	Scenario 3	--	--	--
2735	644036.2	4166248.9	Roadway/Waterway	Scenario 3	--	--	--
2736	644136.2	4166248.9	Roadway/Waterway	Scenario 3	--	--	--
2737	646236.2	4166248.9	Roadway/Waterway	Scenario 3	--	--	--
2738	641736.2	4166348.9	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2739	641836.2	4166348.9	Roadway/Waterway	Scenario 3	--	--	--
2740	642936.2	4166348.9	Roadway/Waterway	Scenario 3	--	--	--
2741	646236.2	4166348.9	Roadway/Waterway	Scenario 3	--	--	--
2742	646936.2	4166348.9	Roadway/Waterway	Scenario 3	--	--	--
2743	640736.2	4166448.9	Roadway/Waterway	Scenario 3	--	--	--
2744	641336.2	4166448.9	Roadway/Waterway	Scenario 3	--	--	--
2745	641636.2	4166448.9	Roadway/Waterway	Scenario 3	--	--	--
2746	642736.2	4166448.9	Roadway/Waterway	Scenario 3	--	--	--
2747	642836.2	4166448.9	Roadway/Waterway	Scenario 3	--	--	--
2748	646236.2	4166448.9	Roadway/Waterway	Scenario 3	--	--	--
2749	646936.2	4166448.9	Roadway/Waterway	Scenario 3	--	--	--
2750	640936.2	4166548.9	Roadway/Waterway	Scenario 3	--	--	--
2751	641336.2	4166548.9	Roadway/Waterway	Scenario 3	--	--	--
2752	641436.2	4166548.9	Roadway/Waterway	Scenario 3	--	--	--
2753	641536.2	4166548.9	Roadway/Waterway	Scenario 3	--	--	--
2754	642636.2	4166548.9	Roadway/Waterway	Scenario 3	--	--	--
2755	642736.2	4166548.9	Roadway/Waterway	Scenario 3	--	--	--
2756	646236.2	4166548.9	Roadway/Waterway	Scenario 3	--	--	--
2757	646736.2	4166548.9	Roadway/Waterway	Scenario 3	--	--	--
2758	646836.2	4166548.9	Roadway/Waterway	Scenario 3	--	--	--
2759	641336.2	4166648.9	Roadway/Waterway	Scenario 3	--	--	--
2760	641436.2	4166648.9	Roadway/Waterway	Scenario 3	--	--	--
2761	642536.2	4166648.9	Roadway/Waterway	Scenario 3	--	--	--
2762	642636.2	4166648.9	Roadway/Waterway	Scenario 3	--	--	--
2763	645936.2	4166648.9	Roadway/Waterway	Scenario 3	--	--	--
2764	646036.2	4166648.9	Roadway/Waterway	Scenario 3	--	--	--
2765	646136.2	4166648.9	Roadway/Waterway	Scenario 3	--	--	--
2766	646236.2	4166648.9	Roadway/Waterway	Scenario 3	--	--	--
2767	646336.2	4166648.9	Roadway/Waterway	Scenario 3	--	--	--
2768	646436.2	4166648.9	Roadway/Waterway	Scenario 3	--	--	--
2769	646536.2	4166648.9	Roadway/Waterway	Scenario 3	--	--	--
2770	646636.2	4166648.9	Roadway/Waterway	Scenario 3	--	--	--
2771	646736.2	4166648.9	Roadway/Waterway	Scenario 3	--	--	--
2772	641236.2	4166748.9	Roadway/Waterway	Scenario 3	--	--	--
2773	641336.2	4166748.9	Roadway/Waterway	Scenario 3	--	--	--
2774	644736.2	4166748.9	Roadway/Waterway	Scenario 3	--	--	--
2775	645836.2	4166748.9	Roadway/Waterway	Scenario 3	--	--	--
2776	646136.2	4166748.9	Roadway/Waterway	Scenario 3	--	--	--
2777	646236.2	4166748.9	Roadway/Waterway	Scenario 3	--	--	--
2778	646336.2	4166748.9	Roadway/Waterway	Scenario 3	--	--	--
2779	639836.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2780	639936.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2781	640036.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2782	640136.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2783	640236.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2784	640336.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2785	640436.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2786	640536.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2787	641036.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2788	641136.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2789	644736.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2790	645736.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2791	646036.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2792	646136.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2793	646236.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2794	646336.2	4166848.9	Roadway/Waterway	Scenario 3	--	--	--
2795	640836.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2796	640936.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2797	641036.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2798	641136.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2799	644836.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2800	644936.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2801	645036.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2802	645136.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2803	645236.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2804	645336.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2805	645436.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2806	645536.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2807	645736.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2808	645836.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2809	645936.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2810	646036.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2811	646136.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2812	646236.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2813	646336.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2814	646436.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2815	646536.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2816	646636.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2817	646736.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2818	646836.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2819	646936.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2820	647036.2	4166948.9	Roadway/Waterway	Scenario 3	--	--	--
2821	640636.2	4167048.9	Roadway/Waterway	Scenario 3	--	--	--
2822	640736.2	4167048.9	Roadway/Waterway	Scenario 3	--	--	--
2823	640836.2	4167048.9	Roadway/Waterway	Scenario 3	--	--	--
2824	640936.2	4167048.9	Roadway/Waterway	Scenario 3	--	--	--
2825	645236.2	4167048.9	Roadway/Waterway	Scenario 3	--	--	--
2826	645336.2	4167048.9	Roadway/Waterway	Scenario 3	--	--	--
2827	645736.2	4167048.9	Roadway/Waterway	Scenario 3	--	--	--
2828	646036.2	4167048.9	Roadway/Waterway	Scenario 3	--	--	--
2829	646136.2	4167048.9	Roadway/Waterway	Scenario 3	--	--	--
2830	646236.2	4167048.9	Roadway/Waterway	Scenario 3	--	--	--
2831	646336.2	4167048.9	Roadway/Waterway	Scenario 3	--	--	--
2832	646836.2	4167048.9	Roadway/Waterway	Scenario 3	--	--	--
2833	640536.2	4167148.9	Roadway/Waterway	Scenario 3	--	--	--
2834	640636.2	4167148.9	Roadway/Waterway	Scenario 3	--	--	--
2835	640736.2	4167148.9	Roadway/Waterway	Scenario 3	--	--	--
2836	645236.2	4167148.9	Roadway/Waterway	Scenario 3	--	--	--
2837	645336.2	4167148.9	Roadway/Waterway	Scenario 3	--	--	--
2838	645736.2	4167148.9	Roadway/Waterway	Scenario 3	--	--	--
2839	646136.2	4167148.9	Roadway/Waterway	Scenario 3	--	--	--
2840	646236.2	4167148.9	Roadway/Waterway	Scenario 3	--	--	--
2841	640436.2	4167248.9	Roadway/Waterway	Scenario 3	--	--	--
2842	640536.2	4167248.9	Roadway/Waterway	Scenario 3	--	--	--
2843	644936.2	4167248.9	Roadway/Waterway	Scenario 3	--	--	--
2844	645236.2	4167248.9	Roadway/Waterway	Scenario 3	--	--	--
2845	646236.2	4167248.9	Roadway/Waterway	Scenario 3	--	--	--
2846	640336.2	4167348.9	Roadway/Waterway	Scenario 3	--	--	--
2847	640436.2	4167348.9	Roadway/Waterway	Scenario 3	--	--	--
2848	646136.2	4167348.9	Roadway/Waterway	Scenario 3	--	--	--
2849	646236.2	4167348.9	Roadway/Waterway	Scenario 3	--	--	--
2850	640236.2	4167448.9	Roadway/Waterway	Scenario 3	--	--	--
2851	640336.2	4167448.9	Roadway/Waterway	Scenario 3	--	--	--
2852	646036.2	4167448.9	Roadway/Waterway	Scenario 3	--	--	--
2853	646136.2	4167448.9	Roadway/Waterway	Scenario 3	--	--	--
2854	646236.2	4167448.9	Roadway/Waterway	Scenario 3	--	--	--
2855	640136.2	4167548.9	Roadway/Waterway	Scenario 3	--	--	--
2856	646136.2	4167548.9	Roadway/Waterway	Scenario 3	--	--	--
2857	640036.2	4167648.9	Roadway/Waterway	Scenario 3	--	--	--
2858	646136.2	4167648.9	Roadway/Waterway	Scenario 3	--	--	--
2859	639836.2	4167748.9	Roadway/Waterway	Scenario 3	--	--	--
2860	639936.2	4167748.9	Roadway/Waterway	Scenario 3	--	--	--
2861	644136.2	4167748.9	Roadway/Waterway	Scenario 3	--	--	--
2862	644236.2	4167748.9	Roadway/Waterway	Scenario 3	--	--	--
2863	645036.2	4167748.9	Roadway/Waterway	Scenario 3	--	--	--
2864	645136.2	4167748.9	Roadway/Waterway	Scenario 3	--	--	--
2865	645236.2	4167748.9	Roadway/Waterway	Scenario 3	--	--	--
2866	645336.2	4167748.9	Roadway/Waterway	Scenario 3	--	--	--
2867	645436.2	4167748.9	Roadway/Waterway	Scenario 3	--	--	--
2868	645536.2	4167748.9	Roadway/Waterway	Scenario 3	--	--	--
2869	645636.2	4167748.9	Roadway/Waterway	Scenario 3	--	--	--
2870	645736.2	4167748.9	Roadway/Waterway	Scenario 3	--	--	--
2871	645836.2	4167748.9	Roadway/Waterway	Scenario 3	--	--	--
2872	645936.2	4167748.9	Roadway/Waterway	Scenario 3	--	--	--
2873	646136.2	4167748.9	Roadway/Waterway	Scenario 3	--	--	--
2874	639736.2	4167848.9	Roadway/Waterway	Scenario 3	--	--	--
2875	646136.2	4167848.9	Roadway/Waterway	Scenario 3	--	--	--
2876	639636.2	4167948.9	Roadway/Waterway	Scenario 3	--	--	--
2877	646136.2	4167948.9	Roadway/Waterway	Scenario 3	--	--	--
2878	639436.2	4168048.9	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2879	639536.2	4168048.9	Roadway/Waterway	Scenario 3	--	--	--
2880	646136.2	4168048.9	Roadway/Waterway	Scenario 3	--	--	--
2881	639336.2	4168148.9	Roadway/Waterway	Scenario 3	--	--	--
2882	639436.2	4168148.9	Roadway/Waterway	Scenario 3	--	--	--
2883	646136.2	4168148.9	Roadway/Waterway	Scenario 3	--	--	--
2884	639236.2	4168248.9	Roadway/Waterway	Scenario 3	--	--	--
2885	646136.2	4168248.9	Roadway/Waterway	Scenario 3	--	--	--
2886	639036.2	4168348.9	Roadway/Waterway	Scenario 3	--	--	--
2887	646136.2	4168348.9	Roadway/Waterway	Scenario 3	--	--	--
2888	646136.2	4168448.9	Roadway/Waterway	Scenario 3	--	--	--
2889	644836.2	4168548.9	Roadway/Waterway	Scenario 3	--	--	--
2890	644936.2	4168548.9	Roadway/Waterway	Scenario 3	--	--	--
2891	645036.2	4168548.9	Roadway/Waterway	Scenario 3	--	--	--
2892	645136.2	4168548.9	Roadway/Waterway	Scenario 3	--	--	--
2893	645236.2	4168548.9	Roadway/Waterway	Scenario 3	--	--	--
2894	645336.2	4168548.9	Roadway/Waterway	Scenario 3	--	--	--
2895	646136.2	4168548.9	Roadway/Waterway	Scenario 3	--	--	--
2896	646136.2	4168648.9	Roadway/Waterway	Scenario 3	--	--	--
2897	646636.2	4168648.9	Roadway/Waterway	Scenario 3	--	--	--
2898	646136.2	4168748.9	Roadway/Waterway	Scenario 3	--	--	--
2899	646136.2	4168848.9	Roadway/Waterway	Scenario 3	--	--	--
2900	644736.2	4168948.9	Roadway/Waterway	Scenario 3	--	--	--
2901	645936.2	4168948.9	Roadway/Waterway	Scenario 3	--	--	--
2902	646136.2	4168948.9	Roadway/Waterway	Scenario 3	--	--	--
2903	638136.2	4169048.9	Roadway/Waterway	Scenario 3	--	--	--
2904	644136.2	4169048.9	Roadway/Waterway	Scenario 3	--	--	--
2905	646136.2	4169048.9	Roadway/Waterway	Scenario 3	--	--	--
2906	637936.2	4169148.9	Roadway/Waterway	Scenario 3	--	--	--
2907	638036.2	4169148.9	Roadway/Waterway	Scenario 3	--	--	--
2908	644236.2	4169148.9	Roadway/Waterway	Scenario 3	--	--	--
2909	646136.2	4169148.9	Roadway/Waterway	Scenario 3	--	--	--
2910	637836.2	4169248.9	Roadway/Waterway	Scenario 3	--	--	--
2911	644536.2	4169248.9	Roadway/Waterway	Scenario 3	--	--	--
2912	637736.2	4169348.9	Roadway/Waterway	Scenario 3	--	--	--
2913	644536.2	4169348.9	Roadway/Waterway	Scenario 3	--	--	--
2914	637536.2	4169448.9	Roadway/Waterway	Scenario 3	--	--	--
2915	637636.2	4169448.9	Roadway/Waterway	Scenario 3	--	--	--
2916	644436.2	4169448.9	Roadway/Waterway	Scenario 3	--	--	--
2917	644536.2	4169448.9	Roadway/Waterway	Scenario 3	--	--	--
2918	637436.2	4169548.9	Roadway/Waterway	Scenario 3	--	--	--
2919	637836.2	4169548.9	Roadway/Waterway	Scenario 3	--	--	--
2920	644536.2	4169548.9	Roadway/Waterway	Scenario 3	--	--	--
2921	637236.2	4169648.9	Roadway/Waterway	Scenario 3	--	--	--
2922	637336.2	4169648.9	Roadway/Waterway	Scenario 3	--	--	--
2923	637836.2	4169648.9	Roadway/Waterway	Scenario 3	--	--	--
2924	644536.2	4169648.9	Roadway/Waterway	Scenario 3	--	--	--
2925	637136.2	4169748.9	Roadway/Waterway	Scenario 3	--	--	--
2926	637736.2	4169748.9	Roadway/Waterway	Scenario 3	--	--	--
2927	644536.2	4169748.9	Roadway/Waterway	Scenario 3	--	--	--
2928	637036.2	4169848.9	Roadway/Waterway	Scenario 3	--	--	--
2929	637636.2	4169848.9	Roadway/Waterway	Scenario 3	--	--	--
2930	637736.2	4169848.9	Roadway/Waterway	Scenario 3	--	--	--
2931	644536.2	4169848.9	Roadway/Waterway	Scenario 3	--	--	--
2932	636836.2	4169948.9	Roadway/Waterway	Scenario 3	--	--	--
2933	636936.2	4169948.9	Roadway/Waterway	Scenario 3	--	--	--
2934	637636.2	4169948.9	Roadway/Waterway	Scenario 3	--	--	--
2935	639636.2	4169948.9	Roadway/Waterway	Scenario 3	--	--	--
2936	636736.2	4170048.9	Roadway/Waterway	Scenario 3	--	--	--
2937	636836.2	4170048.9	Roadway/Waterway	Scenario 3	--	--	--
2938	637536.2	4170048.9	Roadway/Waterway	Scenario 3	--	--	--
2939	635636.2	4170148.9	Roadway/Waterway	Scenario 3	--	--	--
2940	636636.2	4170148.9	Roadway/Waterway	Scenario 3	--	--	--
2941	637436.2	4170148.9	Roadway/Waterway	Scenario 3	--	--	--
2942	637536.2	4170148.9	Roadway/Waterway	Scenario 3	--	--	--
2943	635636.2	4170248.9	Roadway/Waterway	Scenario 3	--	--	--
2944	635736.2	4170248.9	Roadway/Waterway	Scenario 3	--	--	--
2945	636436.2	4170248.9	Roadway/Waterway	Scenario 3	--	--	--
2946	636536.2	4170248.9	Roadway/Waterway	Scenario 3	--	--	--
2947	637336.2	4170248.9	Roadway/Waterway	Scenario 3	--	--	--
2948	637436.2	4170248.9	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2949	635736.2	4170348.9	Roadway/Waterway	Scenario 3	--	--	--
2950	635836.2	4170348.9	Roadway/Waterway	Scenario 3	--	--	--
2951	636336.2	4170348.9	Roadway/Waterway	Scenario 3	--	--	--
2952	636436.2	4170348.9	Roadway/Waterway	Scenario 3	--	--	--
2953	637336.2	4170348.9	Roadway/Waterway	Scenario 3	--	--	--
2954	638536.2	4170348.9	Roadway/Waterway	Scenario 3	--	--	--
2955	638636.2	4170348.9	Roadway/Waterway	Scenario 3	--	--	--
2956	635736.2	4170448.9	Roadway/Waterway	Scenario 3	--	--	--
2957	635936.2	4170448.9	Roadway/Waterway	Scenario 3	--	--	--
2958	636136.2	4170448.9	Roadway/Waterway	Scenario 3	--	--	--
2959	636236.2	4170448.9	Roadway/Waterway	Scenario 3	--	--	--
2960	637236.2	4170448.9	Roadway/Waterway	Scenario 3	--	--	--
2961	637336.2	4170448.9	Roadway/Waterway	Scenario 3	--	--	--
2962	638436.2	4170448.9	Roadway/Waterway	Scenario 3	--	--	--
2963	638536.2	4170448.9	Roadway/Waterway	Scenario 3	--	--	--
2964	635736.2	4170548.9	Roadway/Waterway	Scenario 3	--	--	--
2965	636036.2	4170548.9	Roadway/Waterway	Scenario 3	--	--	--
2966	636136.2	4170548.9	Roadway/Waterway	Scenario 3	--	--	--
2967	637236.2	4170548.9	Roadway/Waterway	Scenario 3	--	--	--
2968	638436.2	4170548.9	Roadway/Waterway	Scenario 3	--	--	--
2969	635936.2	4170648.9	Roadway/Waterway	Scenario 3	--	--	--
2970	636036.2	4170648.9	Roadway/Waterway	Scenario 3	--	--	--
2971	636136.2	4170648.9	Roadway/Waterway	Scenario 3	--	--	--
2972	637136.2	4170648.9	Roadway/Waterway	Scenario 3	--	--	--
2973	637236.2	4170648.9	Roadway/Waterway	Scenario 3	--	--	--
2974	638436.2	4170648.9	Roadway/Waterway	Scenario 3	--	--	--
2975	635836.2	4170748.9	Roadway/Waterway	Scenario 3	--	--	--
2976	636236.2	4170748.9	Roadway/Waterway	Scenario 3	--	--	--
2977	637036.2	4170748.9	Roadway/Waterway	Scenario 3	--	--	--
2978	637136.2	4170748.9	Roadway/Waterway	Scenario 3	--	--	--
2979	638436.2	4170748.9	Roadway/Waterway	Scenario 3	--	--	--
2980	638536.2	4170748.9	Roadway/Waterway	Scenario 3	--	--	--
2981	635736.2	4170848.9	Roadway/Waterway	Scenario 3	--	--	--
2982	635836.2	4170848.9	Roadway/Waterway	Scenario 3	--	--	--
2983	636336.2	4170848.9	Roadway/Waterway	Scenario 3	--	--	--
2984	636636.2	4170848.9	Roadway/Waterway	Scenario 3	--	--	--
2985	636736.2	4170848.9	Roadway/Waterway	Scenario 3	--	--	--
2986	637036.2	4170848.9	Roadway/Waterway	Scenario 3	--	--	--
2987	637136.2	4170848.9	Roadway/Waterway	Scenario 3	--	--	--
2988	637236.2	4170848.9	Roadway/Waterway	Scenario 3	--	--	--
2989	638436.2	4170848.9	Roadway/Waterway	Scenario 3	--	--	--
2990	635836.2	4170948.9	Roadway/Waterway	Scenario 3	--	--	--
2991	635936.2	4170948.9	Roadway/Waterway	Scenario 3	--	--	--
2992	636436.2	4170948.9	Roadway/Waterway	Scenario 3	--	--	--
2993	636536.2	4170948.9	Roadway/Waterway	Scenario 3	--	--	--
2994	636936.2	4170948.9	Roadway/Waterway	Scenario 3	--	--	--
2995	637036.2	4170948.9	Roadway/Waterway	Scenario 3	--	--	--
2996	637136.2	4170948.9	Roadway/Waterway	Scenario 3	--	--	--
2997	637236.2	4170948.9	Roadway/Waterway	Scenario 3	--	--	--
2998	638336.2	4170948.9	Roadway/Waterway	Scenario 3	--	--	--
2999	638436.2	4170948.9	Roadway/Waterway	Scenario 3	--	--	--
3000	635836.2	4171048.9	Roadway/Waterway	Scenario 3	--	--	--
3001	636436.2	4171048.9	Roadway/Waterway	Scenario 3	--	--	--
3002	636936.2	4171048.9	Roadway/Waterway	Scenario 3	--	--	--
3003	638336.2	4171048.9	Roadway/Waterway	Scenario 3	--	--	--
3004	636436.2	4171148.9	Roadway/Waterway	Scenario 3	--	--	--
3005	636736.2	4171148.9	Roadway/Waterway	Scenario 3	--	--	--
3006	636836.2	4171148.9	Roadway/Waterway	Scenario 3	--	--	--
3007	638236.2	4171148.9	Roadway/Waterway	Scenario 3	--	--	--
3008	638336.2	4171148.9	Roadway/Waterway	Scenario 3	--	--	--
3009	635936.2	4171248.9	Roadway/Waterway	Scenario 3	--	--	--
3010	636036.2	4171248.9	Roadway/Waterway	Scenario 3	--	--	--
3011	636436.2	4171248.9	Roadway/Waterway	Scenario 3	--	--	--
3012	636636.2	4171248.9	Roadway/Waterway	Scenario 3	--	--	--
3013	636736.2	4171248.9	Roadway/Waterway	Scenario 3	--	--	--
3014	638036.2	4171248.9	Roadway/Waterway	Scenario 3	--	--	--
3015	638136.2	4171248.9	Roadway/Waterway	Scenario 3	--	--	--
3016	638236.2	4171248.9	Roadway/Waterway	Scenario 3	--	--	--
3017	636436.2	4171348.9	Roadway/Waterway	Scenario 3	--	--	--
3018	636536.2	4171348.9	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3019	636636.2	4171348.9	Roadway/Waterway	Scenario 3	--	--	--
3020	637936.2	4171348.9	Roadway/Waterway	Scenario 3	--	--	--
3021	638036.2	4171348.9	Roadway/Waterway	Scenario 3	--	--	--
3022	636336.2	4171448.9	Roadway/Waterway	Scenario 3	--	--	--
3023	636436.2	4171448.9	Roadway/Waterway	Scenario 3	--	--	--
3024	636536.2	4171448.9	Roadway/Waterway	Scenario 3	--	--	--
3025	637436.2	4171448.9	Roadway/Waterway	Scenario 3	--	--	--
3026	637536.2	4171448.9	Roadway/Waterway	Scenario 3	--	--	--
3027	637636.2	4171448.9	Roadway/Waterway	Scenario 3	--	--	--
3028	637736.2	4171448.9	Roadway/Waterway	Scenario 3	--	--	--
3029	637836.2	4171448.9	Roadway/Waterway	Scenario 3	--	--	--
3030	637936.2	4171448.9	Roadway/Waterway	Scenario 3	--	--	--
3031	636136.2	4171548.9	Roadway/Waterway	Scenario 3	--	--	--
3032	636236.2	4171548.9	Roadway/Waterway	Scenario 3	--	--	--
3033	636336.2	4171548.9	Roadway/Waterway	Scenario 3	--	--	--
3034	636436.2	4171548.9	Roadway/Waterway	Scenario 3	--	--	--
3035	637336.2	4171548.9	Roadway/Waterway	Scenario 3	--	--	--
3036	637436.2	4171548.9	Roadway/Waterway	Scenario 3	--	--	--
3037	637536.2	4171548.9	Roadway/Waterway	Scenario 3	--	--	--
3038	637636.2	4171548.9	Roadway/Waterway	Scenario 3	--	--	--
3039	637736.2	4171548.9	Roadway/Waterway	Scenario 3	--	--	--
3040	637836.2	4171548.9	Roadway/Waterway	Scenario 3	--	--	--
3041	636236.2	4171648.9	Roadway/Waterway	Scenario 3	--	--	--
3042	636436.2	4171648.9	Roadway/Waterway	Scenario 3	--	--	--
3043	637336.2	4171648.9	Roadway/Waterway	Scenario 3	--	--	--
3044	637436.2	4171648.9	Roadway/Waterway	Scenario 3	--	--	--
3045	636436.2	4171748.9	Roadway/Waterway	Scenario 3	--	--	--
3046	637236.2	4171748.9	Roadway/Waterway	Scenario 3	--	--	--
3047	636436.2	4171848.9	Roadway/Waterway	Scenario 3	--	--	--
3048	637136.2	4171848.9	Roadway/Waterway	Scenario 3	--	--	--
3049	637036.2	4171948.9	Roadway/Waterway	Scenario 3	--	--	--
3050	637136.2	4171948.9	Roadway/Waterway	Scenario 3	--	--	--
3051	638036.2	4171948.9	Roadway/Waterway	Scenario 3	--	--	--
3052	636936.2	4172048.9	Roadway/Waterway	Scenario 3	--	--	--
3053	637036.2	4172048.9	Roadway/Waterway	Scenario 3	--	--	--
3054	637136.2	4172048.9	Roadway/Waterway	Scenario 3	--	--	--
3055	638036.2	4172048.9	Roadway/Waterway	Scenario 3	--	--	--
3056	636836.2	4172148.9	Roadway/Waterway	Scenario 3	--	--	--
3057	636936.2	4172148.9	Roadway/Waterway	Scenario 3	--	--	--
3058	637036.2	4172148.9	Roadway/Waterway	Scenario 3	--	--	--
3059	638036.2	4172148.9	Roadway/Waterway	Scenario 3	--	--	--
3060	638036.2	4172248.9	Roadway/Waterway	Scenario 3	--	--	--
3061	639636.2	4172248.9	Roadway/Waterway	Scenario 3	--	--	--
3062	638036.2	4172348.9	Roadway/Waterway	Scenario 3	--	--	--
3063	639636.2	4172348.9	Roadway/Waterway	Scenario 3	--	--	--
3064	638036.2	4172448.9	Roadway/Waterway	Scenario 3	--	--	--
3065	642798.5	4166811.2	Worker	Scenario 3	8.30E-01	1.96E-03	6.10E-03
3066	642823.5	4166811.2	Worker	Scenario 3	8.30E-01	1.96E-03	5.97E-03
3067	642848.5	4166811.2	Worker	Scenario 3	8.32E-01	1.96E-03	6.08E-03
3068	642873.5	4166811.2	Worker	Scenario 3	8.33E-01	1.96E-03	6.15E-03
3069	642898.5	4166811.2	Worker	Scenario 3	8.33E-01	1.95E-03	6.18E-03
3070	642923.5	4166811.2	Worker	Scenario 3	8.34E-01	1.95E-03	6.16E-03
3071	642948.5	4166811.2	Worker	Scenario 3	8.35E-01	1.95E-03	6.12E-03
3072	642973.5	4166811.2	Worker	Scenario 3	8.41E-01	1.96E-03	5.97E-03
3073	642998.5	4166811.2	Worker	Scenario 3	8.42E-01	1.95E-03	5.89E-03
3074	643023.5	4166811.2	Worker	Scenario 3	8.45E-01	1.96E-03	5.75E-03
3075	643048.5	4166811.2	Worker	Scenario 3	8.49E-01	1.96E-03	5.61E-03
3076	643073.5	4166811.2	Worker	Scenario 3	8.53E-01	1.97E-03	5.53E-03
3077	643098.5	4166811.2	Worker	Scenario 3	8.57E-01	1.97E-03	5.43E-03
3078	643123.5	4166811.2	Worker	Scenario 3	8.60E-01	1.97E-03	5.35E-03
3079	643148.5	4166811.2	Worker	Scenario 3	8.63E-01	1.98E-03	5.26E-03
3080	643173.5	4166811.2	Worker	Scenario 3	8.66E-01	1.98E-03	5.23E-03
3081	643198.5	4166811.2	Worker	Scenario 3	8.69E-01	1.98E-03	5.32E-03
3082	643223.5	4166811.2	Worker	Scenario 3	8.72E-01	1.98E-03	5.44E-03
3083	643248.5	4166811.2	Worker	Scenario 3	8.75E-01	1.99E-03	5.55E-03
3084	643273.5	4166811.2	Worker	Scenario 3	8.78E-01	1.99E-03	5.64E-03
3085	643298.5	4166811.2	Worker	Scenario 3	8.80E-01	1.99E-03	5.72E-03
3086	643323.5	4166811.2	Worker	Scenario 3	8.84E-01	2.00E-03	5.79E-03
3087	643348.5	4166811.2	Worker	Scenario 3	8.87E-01	2.00E-03	5.85E-03
3088	643373.5	4166811.2	Worker	Scenario 3	8.89E-01	2.00E-03	5.89E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3089	643398.5	4166811.2	Worker	Scenario 3	8.92E-01	2.00E-03	5.92E-03
3090	643423.5	4166811.2	Worker	Scenario 3	8.93E-01	2.00E-03	5.94E-03
3091	643448.5	4166811.2	Worker	Scenario 3	8.95E-01	2.00E-03	5.94E-03
3092	643473.5	4166811.2	Worker	Scenario 3	8.95E-01	2.00E-03	5.93E-03
3093	643498.5	4166811.2	Worker	Scenario 3	8.94E-01	2.00E-03	5.92E-03
3094	643523.5	4166811.2	Worker	Scenario 3	8.93E-01	1.99E-03	5.89E-03
3095	641973.5	4166836.2	Worker	Scenario 3	1.69E+00	4.02E-03	1.76E-02
3096	641998.5	4166836.2	Worker	Scenario 3	1.64E+00	3.91E-03	1.74E-02
3097	642023.5	4166836.2	Worker	Scenario 3	1.59E+00	3.78E-03	1.75E-02
3098	642048.5	4166836.2	Worker	Scenario 3	1.54E+00	3.65E-03	1.64E-02
3099	642073.5	4166836.2	Worker	Scenario 3	1.48E+00	3.53E-03	1.46E-02
3100	642098.5	4166836.2	Worker	Scenario 3	1.44E+00	3.41E-03	1.52E-02
3101	642123.5	4166836.2	Worker	Scenario 3	1.39E+00	3.30E-03	1.57E-02
3102	642148.5	4166836.2	Worker	Scenario 3	1.34E+00	3.20E-03	1.57E-02
3103	642173.5	4166836.2	Worker	Scenario 3	1.30E+00	3.10E-03	1.51E-02
3104	642198.5	4166836.2	Worker	Scenario 3	1.26E+00	3.01E-03	1.41E-02
3105	642223.5	4166836.2	Worker	Scenario 3	1.23E+00	2.92E-03	1.33E-02
3106	642248.5	4166836.2	Worker	Scenario 3	1.19E+00	2.85E-03	1.28E-02
3107	642598.5	4166836.2	Worker	Scenario 3	9.03E-01	2.16E-03	8.55E-03
3108	642623.5	4166836.2	Worker	Scenario 3	8.94E-01	2.14E-03	8.25E-03
3109	642648.5	4166836.2	Worker	Scenario 3	8.87E-01	2.12E-03	7.88E-03
3110	642673.5	4166836.2	Worker	Scenario 3	8.81E-01	2.10E-03	7.45E-03
3111	642698.5	4166836.2	Worker	Scenario 3	8.79E-01	2.09E-03	7.02E-03
3112	642723.5	4166836.2	Worker	Scenario 3	8.78E-01	2.09E-03	6.69E-03
3113	642748.5	4166836.2	Worker	Scenario 3	8.80E-01	2.09E-03	6.42E-03
3114	642773.5	4166836.2	Worker	Scenario 3	8.82E-01	2.09E-03	6.50E-03
3115	642798.5	4166836.2	Worker	Scenario 3	8.84E-01	2.09E-03	6.59E-03
3116	642823.5	4166836.2	Worker	Scenario 3	8.87E-01	2.09E-03	6.63E-03
3117	642848.5	4166836.2	Worker	Scenario 3	8.91E-01	2.09E-03	6.62E-03
3118	642873.5	4166836.2	Worker	Scenario 3	8.93E-01	2.09E-03	6.57E-03
3119	642898.5	4166836.2	Worker	Scenario 3	8.96E-01	2.09E-03	6.47E-03
3120	642923.5	4166836.2	Worker	Scenario 3	9.00E-01	2.09E-03	6.34E-03
3121	642948.5	4166836.2	Worker	Scenario 3	9.04E-01	2.10E-03	6.18E-03
3122	642973.5	4166836.2	Worker	Scenario 3	9.10E-01	2.11E-03	6.01E-03
3123	642998.5	4166836.2	Worker	Scenario 3	9.20E-01	2.12E-03	5.86E-03
3124	643023.5	4166836.2	Worker	Scenario 3	9.23E-01	2.13E-03	5.79E-03
3125	643048.5	4166836.2	Worker	Scenario 3	9.31E-01	2.14E-03	5.68E-03
3126	643073.5	4166836.2	Worker	Scenario 3	9.38E-01	2.15E-03	5.57E-03
3127	643098.5	4166836.2	Worker	Scenario 3	9.43E-01	2.15E-03	5.51E-03
3128	643123.5	4166836.2	Worker	Scenario 3	9.46E-01	2.16E-03	5.59E-03
3129	643148.5	4166836.2	Worker	Scenario 3	9.50E-01	2.16E-03	5.71E-03
3130	643173.5	4166836.2	Worker	Scenario 3	9.53E-01	2.16E-03	5.82E-03
3131	643198.5	4166836.2	Worker	Scenario 3	9.55E-01	2.16E-03	5.91E-03
3132	643223.5	4166836.2	Worker	Scenario 3	9.58E-01	2.17E-03	5.99E-03
3133	643248.5	4166836.2	Worker	Scenario 3	9.61E-01	2.17E-03	6.05E-03
3134	643273.5	4166836.2	Worker	Scenario 3	9.64E-01	2.17E-03	6.09E-03
3135	643298.5	4166836.2	Worker	Scenario 3	9.67E-01	2.17E-03	6.12E-03
3136	643323.5	4166836.2	Worker	Scenario 3	9.70E-01	2.18E-03	6.14E-03
3137	643348.5	4166836.2	Worker	Scenario 3	9.73E-01	2.18E-03	6.16E-03
3138	643373.5	4166836.2	Worker	Scenario 3	9.75E-01	2.18E-03	6.16E-03
3139	643398.5	4166836.2	Worker	Scenario 3	9.77E-01	2.18E-03	6.14E-03
3140	643423.5	4166836.2	Worker	Scenario 3	9.78E-01	2.18E-03	6.11E-03
3141	643448.5	4166836.2	Worker	Scenario 3	9.79E-01	2.18E-03	6.08E-03
3142	643473.5	4166836.2	Worker	Scenario 3	9.78E-01	2.18E-03	6.03E-03
3143	643498.5	4166836.2	Worker	Scenario 3	9.77E-01	2.17E-03	5.97E-03
3144	643523.5	4166836.2	Worker	Scenario 3	9.74E-01	2.16E-03	5.90E-03
3145	643548.5	4166836.2	Worker	Scenario 3	9.70E-01	2.15E-03	5.83E-03
3146	643573.5	4166836.2	Worker	Scenario 3	9.65E-01	2.14E-03	5.75E-03
3147	643598.5	4166836.2	Worker	Scenario 3	9.59E-01	2.12E-03	5.66E-03
3148	643623.5	4166836.2	Worker	Scenario 3	9.52E-01	2.11E-03	5.57E-03
3149	643648.5	4166836.2	Worker	Scenario 3	9.44E-01	2.09E-03	5.47E-03
3150	643673.5	4166836.2	Worker	Scenario 3	9.36E-01	2.07E-03	5.37E-03
3151	643698.5	4166836.2	Worker	Scenario 3	9.27E-01	2.05E-03	5.26E-03
3152	643723.5	4166836.2	Worker	Scenario 3	9.18E-01	2.03E-03	5.15E-03
3153	643748.5	4166836.2	Worker	Scenario 3	9.08E-01	2.01E-03	5.04E-03
3154	643773.5	4166836.2	Worker	Scenario 3	8.99E-01	1.98E-03	4.93E-03
3155	643798.5	4166836.2	Worker	Scenario 3	8.89E-01	1.96E-03	4.82E-03
3156	643823.5	4166836.2	Worker	Scenario 3	8.80E-01	1.94E-03	4.70E-03
3157	643848.5	4166836.2	Worker	Scenario 3	8.71E-01	1.92E-03	4.59E-03
3158	643873.5	4166836.2	Worker	Scenario 3	8.63E-01	1.90E-03	4.47E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3159	643898.5	4166836.2	Worker	Scenario 3	8.54E-01	1.88E-03	4.35E-03
3160	643923.5	4166836.2	Worker	Scenario 3	8.47E-01	1.87E-03	4.24E-03
3161	643948.5	4166836.2	Worker	Scenario 3	8.39E-01	1.85E-03	4.12E-03
3162	643973.5	4166836.2	Worker	Scenario 3	8.32E-01	1.83E-03	4.01E-03
3163	643998.5	4166836.2	Worker	Scenario 3	8.26E-01	1.82E-03	3.89E-03
3164	644023.5	4166836.2	Worker	Scenario 3	8.20E-01	1.80E-03	3.78E-03
3165	644048.5	4166836.2	Worker	Scenario 3	8.14E-01	1.79E-03	3.67E-03
3166	644073.5	4166836.2	Worker	Scenario 3	8.07E-01	1.78E-03	3.56E-03
3167	644098.5	4166836.2	Worker	Scenario 3	8.01E-01	1.76E-03	3.45E-03
3168	644123.5	4166836.2	Worker	Scenario 3	7.95E-01	1.75E-03	3.35E-03
3169	644148.5	4166836.2	Worker	Scenario 3	7.88E-01	1.73E-03	3.24E-03
3170	644173.5	4166836.2	Worker	Scenario 3	7.81E-01	1.72E-03	3.14E-03
3171	644198.5	4166836.2	Worker	Scenario 3	7.73E-01	1.70E-03	3.08E-03
3172	644223.5	4166836.2	Worker	Scenario 3	7.65E-01	1.68E-03	3.01E-03
3173	644248.5	4166836.2	Worker	Scenario 3	7.55E-01	1.66E-03	2.95E-03
3174	644273.5	4166836.2	Worker	Scenario 3	7.45E-01	1.64E-03	2.89E-03
3175	644298.5	4166836.2	Worker	Scenario 3	7.34E-01	1.61E-03	2.82E-03
3176	641598.5	4166861.2	Worker	Scenario 3	1.42E+00	3.46E-03	3.89E-02
3177	641623.5	4166861.2	Worker	Scenario 3	1.52E+00	3.69E-03	4.24E-02
3178	641648.5	4166861.2	Worker	Scenario 3	1.61E+00	3.92E-03	3.69E-02
3179	641673.5	4166861.2	Worker	Scenario 3	1.71E+00	4.14E-03	3.46E-02
3180	641698.5	4166861.2	Worker	Scenario 3	1.79E+00	4.33E-03	3.16E-02
3181	641723.5	4166861.2	Worker	Scenario 3	1.86E+00	4.52E-03	2.74E-02
3182	641748.5	4166861.2	Worker	Scenario 3	1.92E+00	4.65E-03	2.63E-02
3183	641773.5	4166861.2	Worker	Scenario 3	1.97E+00	4.76E-03	2.46E-02
3184	641798.5	4166861.2	Worker	Scenario 3	2.01E+00	4.85E-03	2.43E-02
3185	641823.5	4166861.2	Worker	Scenario 3	2.04E+00	4.91E-03	2.40E-02
3186	641848.5	4166861.2	Worker	Scenario 3	2.07E+00	4.94E-03	2.29E-02
3187	641873.5	4166861.2	Worker	Scenario 3	2.07E+00	4.94E-03	2.23E-02
3188	641898.5	4166861.2	Worker	Scenario 3	2.07E+00	4.90E-03	2.07E-02
3189	641923.5	4166861.2	Worker	Scenario 3	2.04E+00	4.82E-03	2.01E-02
3190	641948.5	4166861.2	Worker	Scenario 3	1.99E+00	4.70E-03	1.89E-02
3191	641973.5	4166861.2	Worker	Scenario 3	1.93E+00	4.55E-03	1.87E-02
3192	641998.5	4166861.2	Worker	Scenario 3	1.86E+00	4.38E-03	1.87E-02
3193	642023.5	4166861.2	Worker	Scenario 3	1.79E+00	4.21E-03	1.74E-02
3194	642123.5	4166861.2	Worker	Scenario 3	1.52E+00	3.61E-03	1.67E-02
3195	642148.5	4166861.2	Worker	Scenario 3	1.47E+00	3.48E-03	1.58E-02
3196	642173.5	4166861.2	Worker	Scenario 3	1.42E+00	3.36E-03	1.45E-02
3197	641298.5	4167011.2	Worker	Scenario 3	9.15E-01	2.48E-03	7.10E-02
3198	641323.5	4167011.2	Worker	Scenario 3	1.06E+00	2.82E-03	6.31E-02
3199	641298.5	4167036.2	Worker	Scenario 3	9.82E-01	2.70E-03	7.20E-02
3200	641323.5	4167036.2	Worker	Scenario 3	1.14E+00	3.09E-03	7.47E-02
3201	641298.5	4167061.2	Worker	Scenario 3	1.05E+00	2.94E-03	6.81E-02
3202	641323.5	4167061.2	Worker	Scenario 3	1.23E+00	3.38E-03	8.37E-02
3203	641348.5	4167061.2	Worker	Scenario 3	1.49E+00	4.00E-03	7.42E-02
3204	644673.5	4167061.2	Worker	Scenario 3	7.91E-01	1.72E-03	2.26E-03
3205	641298.5	4167086.2	Worker	Scenario 3	1.12E+00	3.20E-03	7.12E-02
3206	641323.5	4167086.2	Worker	Scenario 3	1.31E+00	3.70E-03	8.40E-02
3207	641348.5	4167086.2	Worker	Scenario 3	1.60E+00	4.40E-03	9.05E-02
3208	644648.5	4167086.2	Worker	Scenario 3	8.53E-01	1.85E-03	2.26E-03
3209	644673.5	4167086.2	Worker	Scenario 3	8.16E-01	1.77E-03	2.23E-03
3210	641298.5	4167111.2	Worker	Scenario 3	1.20E+00	3.49E-03	6.91E-02
3211	641323.5	4167111.2	Worker	Scenario 3	1.41E+00	4.18E-03	6.86E-02
3212	641348.5	4167111.2	Worker	Scenario 3	1.73E+00	4.97E-03	8.91E-02
3213	644648.5	4167111.2	Worker	Scenario 3	8.84E-01	1.91E-03	2.18E-03
3214	644673.5	4167111.2	Worker	Scenario 3	8.42E-01	1.82E-03	2.15E-03
3215	641298.5	4167136.2	Worker	Scenario 3	1.28E+00	3.93E-03	6.59E-02
3216	641323.5	4167136.2	Worker	Scenario 3	1.50E+00	4.56E-03	7.18E-02
3217	641348.5	4167136.2	Worker	Scenario 3	1.84E+00	5.45E-03	9.17E-02
3218	644648.5	4167136.2	Worker	Scenario 3	9.23E-01	1.99E-03	2.25E-03
3219	644673.5	4167136.2	Worker	Scenario 3	8.69E-01	1.88E-03	2.22E-03
3220	641298.5	4167161.2	Worker	Scenario 3	1.35E+00	4.27E-03	6.87E-02
3221	641323.5	4167161.2	Worker	Scenario 3	1.59E+00	4.98E-03	8.02E-02
3222	641348.5	4167161.2	Worker	Scenario 3	1.95E+00	5.99E-03	9.13E-02
3223	644648.5	4167161.2	Worker	Scenario 3	9.73E-01	2.09E-03	2.28E-03
3224	644673.5	4167161.2	Worker	Scenario 3	8.95E-01	1.93E-03	2.26E-03
3225	641298.5	4167186.2	Worker	Scenario 3	1.42E+00	4.65E-03	8.12E-02
3226	641323.5	4167186.2	Worker	Scenario 3	1.66E+00	5.43E-03	8.61E-02
3227	641348.5	4167186.2	Worker	Scenario 3	2.04E+00	6.58E-03	1.02E-01
3228	644648.5	4167186.2	Worker	Scenario 3	9.94E-01	2.14E-03	2.27E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3229	644673.5	4167186.2	Worker	Scenario 3	8.99E-01	1.94E-03	2.24E-03
3230	641298.5	4167211.2	Worker	Scenario 3	1.49E+00	5.06E-03	8.33E-02
3231	641323.5	4167211.2	Worker	Scenario 3	1.75E+00	5.99E-03	1.02E-01
3232	641348.5	4167211.2	Worker	Scenario 3	2.15E+00	7.31E-03	1.13E-01
3233	644648.5	4167211.2	Worker	Scenario 3	9.22E-01	1.99E-03	2.22E-03
3234	644673.5	4167211.2	Worker	Scenario 3	8.66E-01	1.87E-03	2.19E-03
3235	641298.5	4167236.2	Worker	Scenario 3	1.56E+00	5.51E-03	1.03E-01
3236	641323.5	4167236.2	Worker	Scenario 3	1.83E+00	6.59E-03	1.14E-01
3237	641348.5	4167236.2	Worker	Scenario 3	2.25E+00	8.15E-03	1.34E-01
3238	644623.5	4167236.2	Worker	Scenario 3	8.87E-01	1.92E-03	2.23E-03
3239	644648.5	4167236.2	Worker	Scenario 3	8.54E-01	1.85E-03	2.21E-03
3240	644673.5	4167236.2	Worker	Scenario 3	8.25E-01	1.79E-03	2.19E-03
3241	641298.5	4167261.2	Worker	Scenario 3	1.62E+00	5.98E-03	1.21E-01
3242	641323.5	4167261.2	Worker	Scenario 3	1.90E+00	7.26E-03	1.46E-01
3243	641348.5	4167261.2	Worker	Scenario 3	2.35E+00	9.19E-03	1.58E-01
3244	641298.5	4167286.2	Worker	Scenario 3	1.68E+00	6.44E-03	1.20E-01
3245	641323.5	4167286.2	Worker	Scenario 3	1.97E+00	7.96E-03	1.59E-01
3246	641348.5	4167286.2	Worker	Scenario 3	2.45E+00	1.03E-02	2.02E-01
3247	641298.5	4167311.2	Worker	Scenario 3	1.73E+00	6.82E-03	1.36E-01
3248	641323.5	4167311.2	Worker	Scenario 3	2.03E+00	8.54E-03	1.73E-01
3249	641348.5	4167311.2	Worker	Scenario 3	2.51E+00	1.13E-02	2.20E-01
3250	641723.5	4167311.2	Roadway/Waterway	Scenario 3	--	--	--
3251	641298.5	4167336.2	Worker	Scenario 3	1.77E+00	7.11E-03	1.39E-01
3252	641323.5	4167336.2	Worker	Scenario 3	2.07E+00	8.95E-03	1.73E-01
3253	641348.5	4167336.2	Worker	Scenario 3	2.53E+00	1.20E-02	2.24E-01
3254	641623.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
3255	641648.5	4167336.2	Roadway/Waterway	Scenario 3	--	--	--
3256	641298.5	4167361.2	Worker	Scenario 3	1.81E+00	7.31E-03	1.25E-01
3257	641323.5	4167361.2	Worker	Scenario 3	2.09E+00	9.22E-03	1.52E-01
3258	641348.5	4167361.2	Worker	Scenario 3	2.53E+00	1.23E-02	1.87E-01
3259	641548.5	4167361.2	Roadway/Waterway	Scenario 3	--	--	--
3260	644523.5	4167361.2	Worker	Scenario 3	8.78E-01	1.91E-03	2.38E-03
3261	641298.5	4167386.2	Worker	Scenario 3	1.84E+00	7.51E-03	1.14E-01
3262	641323.5	4167386.2	Worker	Scenario 3	2.11E+00	9.44E-03	1.47E-01
3263	641348.5	4167386.2	Worker	Scenario 3	2.53E+00	1.26E-02	1.84E-01
3264	641448.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
3265	641473.5	4167386.2	Roadway/Waterway	Scenario 3	--	--	--
3266	644448.5	4167386.2	Worker	Scenario 3	9.27E-01	2.01E-03	2.38E-03
3267	641298.5	4167411.2	Worker	Scenario 3	1.88E+00	7.67E-03	1.10E-01
3268	641323.5	4167411.2	Worker	Scenario 3	2.13E+00	9.55E-03	1.34E-01
3269	641348.5	4167411.2	Worker	Scenario 3	2.53E+00	1.25E-02	1.72E-01
3270	644348.5	4167411.2	Worker	Scenario 3	1.00E+00	2.17E-03	2.40E-03
3271	644373.5	4167411.2	Worker	Scenario 3	9.81E-01	2.13E-03	2.37E-03
3272	643348.5	4167436.2	Worker	Scenario 3	5.79E+00	1.20E-02	4.35E-03
3273	643373.5	4167436.2	Worker	Scenario 3	5.20E+00	1.08E-02	4.25E-03
3274	643398.5	4167436.2	Worker	Scenario 3	4.75E+00	9.87E-03	4.17E-03
3275	643423.5	4167436.2	Worker	Scenario 3	4.36E+00	9.07E-03	4.09E-03
3276	643448.5	4167436.2	Worker	Scenario 3	4.02E+00	8.38E-03	4.02E-03
3277	643473.5	4167436.2	Worker	Scenario 3	3.72E+00	7.77E-03	3.94E-03
3278	643498.5	4167436.2	Worker	Scenario 3	3.46E+00	7.24E-03	3.87E-03
3279	643523.5	4167436.2	Worker	Scenario 3	3.23E+00	6.78E-03	3.80E-03
3280	643548.5	4167436.2	Worker	Scenario 3	3.03E+00	6.36E-03	3.74E-03
3281	643573.5	4167436.2	Worker	Scenario 3	2.85E+00	6.00E-03	3.68E-03
3282	643598.5	4167436.2	Worker	Scenario 3	2.69E+00	5.67E-03	3.62E-03
3283	643623.5	4167436.2	Worker	Scenario 3	2.55E+00	5.38E-03	3.56E-03
3284	643648.5	4167436.2	Worker	Scenario 3	2.42E+00	5.11E-03	3.50E-03
3285	643673.5	4167436.2	Worker	Scenario 3	2.30E+00	4.87E-03	3.44E-03
3286	643698.5	4167436.2	Worker	Scenario 3	2.19E+00	4.65E-03	3.39E-03
3287	643723.5	4167436.2	Worker	Scenario 3	2.10E+00	4.45E-03	3.33E-03
3288	643748.5	4167436.2	Worker	Scenario 3	2.01E+00	4.27E-03	3.28E-03
3289	644273.5	4167436.2	Worker	Scenario 3	1.07E+00	2.31E-03	2.41E-03
3290	644298.5	4167436.2	Worker	Scenario 3	1.04E+00	2.26E-03	2.38E-03
3291	643323.5	4167461.2	Worker	Scenario 3	7.15E+00	1.47E-02	4.74E-03
3292	643348.5	4167461.2	Worker	Scenario 3	6.26E+00	1.29E-02	4.60E-03
3293	643873.5	4167461.2	Worker	Scenario 3	1.67E+00	3.57E-03	3.09E-03
3294	643898.5	4167461.2	Worker	Scenario 3	1.61E+00	3.45E-03	3.04E-03
3295	644198.5	4167461.2	Worker	Scenario 3	1.14E+00	2.46E-03	2.57E-03
3296	644223.5	4167461.2	Worker	Scenario 3	1.11E+00	2.40E-03	2.53E-03
3297	643298.5	4167486.2	Worker	Scenario 3	8.93E+00	1.83E-02	5.08E-03
3298	643323.5	4167486.2	Worker	Scenario 3	7.47E+00	1.54E-02	4.91E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3299	643348.5	4167486.2	Worker	Scenario 3	6.52E+00	1.34E-02	4.80E-03
3300	644098.5	4167486.2	Worker	Scenario 3	1.26E+00	2.71E-03	2.74E-03
3301	644123.5	4167486.2	Worker	Scenario 3	1.22E+00	2.64E-03	2.70E-03
3302	644148.5	4167486.2	Worker	Scenario 3	1.19E+00	2.57E-03	2.66E-03
3303	643273.5	4167511.2	Worker	Scenario 3	1.04E+01	2.12E-02	5.13E-03
3304	643298.5	4167511.2	Worker	Scenario 3	8.46E+00	1.74E-02	4.97E-03
3305	643323.5	4167511.2	Worker	Scenario 3	7.28E+00	1.50E-02	4.89E-03
3306	643273.5	4167536.2	Worker	Scenario 3	8.58E+00	1.76E-02	5.00E-03
3307	643298.5	4167536.2	Worker	Scenario 3	7.44E+00	1.53E-02	4.91E-03
3308	643248.5	4167561.2	Worker	Scenario 3	7.23E+00	1.49E-02	5.10E-03
3309	643273.5	4167561.2	Worker	Scenario 3	6.55E+00	1.35E-02	4.95E-03
3310	643223.5	4167586.2	Worker	Scenario 3	4.76E+00	9.90E-03	5.31E-03
3311	643248.5	4167586.2	Worker	Scenario 3	4.75E+00	9.86E-03	5.17E-03
3312	643198.5	4167611.2	Worker	Scenario 3	2.78E+00	5.89E-03	5.42E-03
3313	643223.5	4167611.2	Worker	Scenario 3	2.96E+00	6.24E-03	5.25E-03
3314	643248.5	4167611.2	Worker	Scenario 3	3.16E+00	6.65E-03	5.14E-03
3315	643173.5	4167636.2	Worker	Scenario 3	2.02E+00	4.35E-03	5.54E-03
3316	643198.5	4167636.2	Worker	Scenario 3	2.00E+00	4.31E-03	5.34E-03
3317	643223.5	4167636.2	Worker	Scenario 3	2.12E+00	4.54E-03	5.22E-03
3318	643173.5	4167661.2	Worker	Scenario 3	1.75E+00	3.79E-03	5.42E-03
3319	643198.5	4167661.2	Worker	Scenario 3	1.70E+00	3.69E-03	5.29E-03
3320	643148.5	4167686.2	Worker	Scenario 3	1.74E+00	3.77E-03	5.53E-03
3321	643173.5	4167686.2	Worker	Scenario 3	1.61E+00	3.50E-03	5.37E-03
3322	643123.5	4167711.2	Worker	Scenario 3	1.78E+00	3.86E-03	5.52E-03
3323	643148.5	4167711.2	Worker	Scenario 3	1.61E+00	3.50E-03	5.40E-03
3324	643098.5	4167736.2	Worker	Scenario 3	1.82E+00	3.93E-03	5.74E-03
3325	643123.5	4167736.2	Worker	Scenario 3	1.64E+00	3.55E-03	5.52E-03
3326	643098.5	4167761.2	Worker	Scenario 3	1.67E+00	3.61E-03	5.63E-03
3327	643123.5	4167761.2	Worker	Scenario 3	1.55E+00	3.36E-03	5.48E-03
3328	643073.5	4167786.2	Worker	Scenario 3	1.66E+00	3.59E-03	5.72E-03
3329	643098.5	4167786.2	Worker	Scenario 3	1.56E+00	3.38E-03	5.55E-03
3330	643048.5	4167811.2	Worker	Scenario 3	1.66E+00	3.58E-03	5.84E-03
3331	643073.5	4167811.2	Worker	Scenario 3	1.55E+00	3.36E-03	5.62E-03
3332	643023.5	4167836.2	Worker	Scenario 3	1.64E+00	3.53E-03	5.86E-03
3333	643048.5	4167836.2	Worker	Scenario 3	1.53E+00	3.32E-03	5.67E-03
3334	642998.5	4167861.2	Worker	Scenario 3	1.60E+00	3.46E-03	6.05E-03
3335	643023.5	4167861.2	Worker	Scenario 3	1.51E+00	3.27E-03	5.80E-03
3336	642973.5	4167886.2	Worker	Scenario 3	1.57E+00	3.38E-03	5.94E-03
3337	642998.5	4167886.2	Worker	Scenario 3	1.49E+00	3.21E-03	5.75E-03
3338	642948.5	4167911.2	Worker	Scenario 3	1.52E+00	3.28E-03	6.11E-03
3339	642973.5	4167911.2	Worker	Scenario 3	1.46E+00	3.16E-03	5.95E-03
3340	642898.5	4167936.2	Worker	Scenario 3	1.54E+00	3.31E-03	6.37E-03
3341	642923.5	4167936.2	Worker	Scenario 3	1.48E+00	3.19E-03	6.10E-03
3342	642873.5	4167961.2	Worker	Scenario 3	1.49E+00	3.21E-03	6.38E-03
3343	642898.5	4167961.2	Worker	Scenario 3	1.45E+00	3.13E-03	6.18E-03
3344	642823.5	4167986.2	Worker	Scenario 3	1.49E+00	3.22E-03	6.52E-03
3345	642848.5	4167986.2	Worker	Scenario 3	1.45E+00	3.13E-03	6.38E-03
3346	642798.5	4168011.2	Worker	Scenario 3	1.46E+00	3.14E-03	6.83E-03
3347	642823.5	4168011.2	Worker	Scenario 3	1.43E+00	3.08E-03	6.54E-03
3348	642748.5	4168036.2	Worker	Scenario 3	1.47E+00	3.16E-03	7.08E-03
3349	642773.5	4168036.2	Worker	Scenario 3	1.43E+00	3.09E-03	7.01E-03
3350	642698.5	4168061.2	Worker	Scenario 3	1.48E+00	3.18E-03	7.74E-03
3351	642723.5	4168061.2	Worker	Scenario 3	1.44E+00	3.10E-03	7.28E-03
3352	642748.5	4168061.2	Worker	Scenario 3	1.42E+00	3.05E-03	6.82E-03
3353	642673.5	4168086.2	Worker	Scenario 3	1.46E+00	3.14E-03	7.78E-03
3354	642698.5	4168086.2	Worker	Scenario 3	1.43E+00	3.07E-03	7.47E-03
3355	642623.5	4168111.2	Worker	Scenario 3	1.49E+00	3.19E-03	8.06E-03
3356	642648.5	4168111.2	Worker	Scenario 3	1.45E+00	3.11E-03	7.73E-03
3357	642673.5	4168111.2	Worker	Scenario 3	1.42E+00	3.05E-03	7.56E-03
3358	642598.5	4168136.2	Worker	Scenario 3	1.48E+00	3.18E-03	8.09E-03
3359	642623.5	4168136.2	Worker	Scenario 3	1.44E+00	3.09E-03	7.76E-03
3360	642548.5	4168161.2	Worker	Scenario 3	1.52E+00	3.26E-03	8.25E-03
3361	642573.5	4168161.2	Worker	Scenario 3	1.48E+00	3.17E-03	8.03E-03
3362	642523.5	4168186.2	Worker	Scenario 3	1.52E+00	3.27E-03	8.00E-03
3363	642548.5	4168186.2	Worker	Scenario 3	1.48E+00	3.17E-03	7.97E-03
3364	642498.5	4168211.2	Worker	Scenario 3	1.53E+00	3.28E-03	8.16E-03
3365	642473.5	4168236.2	Worker	Scenario 3	1.55E+00	3.31E-03	8.27E-03
3366	642448.5	4168261.2	Worker	Scenario 3	1.57E+00	3.35E-03	8.47E-03
3367	642423.5	4168286.2	Worker	Scenario 3	1.59E+00	3.38E-03	8.20E-03
3368	642398.5	4168311.2	Worker	Scenario 3	1.61E+00	3.43E-03	8.14E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3369	642423.5	4168311.2	Worker	Scenario 3	1.56E+00	3.32E-03	8.01E-03
3370	642348.5	4168336.2	Worker	Scenario 3	1.71E+00	3.63E-03	8.36E-03
3371	642373.5	4168336.2	Worker	Scenario 3	1.63E+00	3.47E-03	8.18E-03
3372	639573.5	4168361.2	Worker	Scenario 3	5.09E-01	1.08E-03	3.45E-03
3373	639598.5	4168361.2	Worker	Scenario 3	5.53E-01	1.17E-03	3.38E-03
3374	639623.5	4168361.2	Worker	Scenario 3	6.09E-01	1.29E-03	3.49E-03
3375	642323.5	4168361.2	Worker	Scenario 3	1.72E+00	3.66E-03	8.60E-03
3376	642348.5	4168361.2	Worker	Scenario 3	1.65E+00	3.51E-03	7.92E-03
3377	639523.5	4168386.2	Worker	Scenario 3	4.83E-01	1.03E-03	3.35E-03
3378	639548.5	4168386.2	Worker	Scenario 3	5.18E-01	1.10E-03	3.28E-03
3379	639573.5	4168386.2	Worker	Scenario 3	5.59E-01	1.18E-03	3.33E-03
3380	639598.5	4168386.2	Worker	Scenario 3	6.07E-01	1.28E-03	3.53E-03
3381	639623.5	4168386.2	Worker	Scenario 3	6.69E-01	1.41E-03	3.72E-03
3382	642273.5	4168386.2	Worker	Scenario 3	1.82E+00	3.85E-03	8.56E-03
3383	642298.5	4168386.2	Worker	Scenario 3	1.73E+00	3.68E-03	8.46E-03
3384	639498.5	4168411.2	Worker	Scenario 3	5.01E-01	1.06E-03	3.18E-03
3385	639523.5	4168411.2	Worker	Scenario 3	5.38E-01	1.14E-03	3.17E-03
3386	639548.5	4168411.2	Worker	Scenario 3	5.78E-01	1.22E-03	3.37E-03
3387	639573.5	4168411.2	Worker	Scenario 3	6.23E-01	1.31E-03	3.55E-03
3388	639598.5	4168411.2	Worker	Scenario 3	6.77E-01	1.42E-03	3.71E-03
3389	639623.5	4168411.2	Worker	Scenario 3	7.46E-01	1.56E-03	3.86E-03
3390	642223.5	4168411.2	Worker	Scenario 3	1.90E+00	4.03E-03	8.61E-03
3391	642248.5	4168411.2	Worker	Scenario 3	1.82E+00	3.85E-03	8.37E-03
3392	639448.5	4168436.2	Worker	Scenario 3	4.87E-01	1.03E-03	3.09E-03
3393	639473.5	4168436.2	Worker	Scenario 3	5.26E-01	1.11E-03	3.04E-03
3394	639498.5	4168436.2	Worker	Scenario 3	5.70E-01	1.20E-03	3.22E-03
3395	639523.5	4168436.2	Worker	Scenario 3	6.19E-01	1.30E-03	3.40E-03
3396	639548.5	4168436.2	Worker	Scenario 3	6.69E-01	1.40E-03	3.56E-03
3397	639573.5	4168436.2	Worker	Scenario 3	7.23E-01	1.51E-03	3.70E-03
3398	639598.5	4168436.2	Worker	Scenario 3	7.83E-01	1.64E-03	3.81E-03
3399	639623.5	4168436.2	Worker	Scenario 3	8.56E-01	1.78E-03	3.90E-03
3400	642148.5	4168436.2	Worker	Scenario 3	2.11E+00	4.44E-03	8.83E-03
3401	642173.5	4168436.2	Worker	Scenario 3	1.99E+00	4.21E-03	8.50E-03
3402	642198.5	4168436.2	Worker	Scenario 3	1.90E+00	4.01E-03	8.31E-03
3403	642098.5	4168461.2	Worker	Scenario 3	2.24E+00	4.70E-03	8.67E-03
3404	642123.5	4168461.2	Worker	Scenario 3	2.11E+00	4.43E-03	8.62E-03
3405	642148.5	4168461.2	Worker	Scenario 3	2.00E+00	4.21E-03	8.44E-03
3406	642048.5	4168486.2	Worker	Scenario 3	2.37E+00	4.97E-03	8.79E-03
3407	642073.5	4168486.2	Worker	Scenario 3	2.22E+00	4.65E-03	8.60E-03
3408	642098.5	4168486.2	Worker	Scenario 3	2.10E+00	4.42E-03	8.39E-03
3409	641973.5	4168511.2	Worker	Scenario 3	2.65E+00	5.53E-03	8.99E-03
3410	641998.5	4168511.2	Worker	Scenario 3	2.47E+00	5.15E-03	8.60E-03
3411	642023.5	4168511.2	Worker	Scenario 3	2.32E+00	4.85E-03	8.60E-03
3412	641923.5	4168536.2	Worker	Scenario 3	2.70E+00	5.61E-03	8.30E-03
3413	641948.5	4168536.2	Worker	Scenario 3	2.52E+00	5.25E-03	8.27E-03
3414	641973.5	4168536.2	Worker	Scenario 3	2.37E+00	4.94E-03	8.55E-03
3415	641873.5	4168561.2	Worker	Scenario 3	2.65E+00	5.53E-03	1.09E-02
3416	641898.5	4168561.2	Worker	Scenario 3	2.49E+00	5.19E-03	9.33E-03
3417	641823.5	4168586.2	Worker	Scenario 3	2.61E+00	5.44E-03	1.23E-02
3418	641848.5	4168586.2	Worker	Scenario 3	2.45E+00	5.11E-03	1.19E-02
3419	641748.5	4168611.2	Worker	Scenario 3	2.72E+00	5.66E-03	9.04E-03
3420	641773.5	4168611.2	Worker	Scenario 3	2.55E+00	5.33E-03	1.02E-02
3421	641798.5	4168611.2	Worker	Scenario 3	2.41E+00	5.04E-03	1.13E-02
3422	641673.5	4168636.2	Worker	Scenario 3	2.70E+00	5.63E-03	8.30E-03
3423	641698.5	4168636.2	Worker	Scenario 3	2.58E+00	5.38E-03	8.54E-03
3424	641723.5	4168636.2	Worker	Scenario 3	2.45E+00	5.11E-03	8.14E-03
3425	641598.5	4168661.2	Worker	Scenario 3	2.58E+00	5.38E-03	8.45E-03
3426	641623.5	4168661.2	Worker	Scenario 3	2.48E+00	5.17E-03	8.35E-03
3427	641648.5	4168661.2	Worker	Scenario 3	2.40E+00	5.01E-03	8.20E-03
3428	641523.5	4168686.2	Worker	Scenario 3	2.46E+00	5.14E-03	8.32E-03
3429	641548.5	4168686.2	Worker	Scenario 3	2.37E+00	4.95E-03	8.22E-03
3430	641573.5	4168686.2	Worker	Scenario 3	2.30E+00	4.80E-03	8.13E-03
3431	641448.5	4168711.2	Worker	Scenario 3	2.44E+00	5.08E-03	7.96E-03
3432	641473.5	4168711.2	Worker	Scenario 3	2.33E+00	4.86E-03	8.08E-03
3433	641498.5	4168711.2	Worker	Scenario 3	2.25E+00	4.69E-03	8.00E-03
3434	641373.5	4168736.2	Worker	Scenario 3	2.67E+00	5.55E-03	7.69E-03
3435	641398.5	4168736.2	Worker	Scenario 3	2.42E+00	5.03E-03	7.41E-03
3436	641423.5	4168736.2	Worker	Scenario 3	2.27E+00	4.74E-03	7.59E-03
3437	641298.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--
3438	641323.5	4168761.2	Roadway/Waterway	Scenario 3	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3439	641348.5	4168761.2	Worker	Scenario 3	2.70E+00	5.61E-03	7.46E-03
3440	641373.5	4168761.2	Worker	Scenario 3	2.45E+00	5.09E-03	7.39E-03
3441	641398.5	4168761.2	Worker	Scenario 3	2.24E+00	4.66E-03	7.20E-03
3442	641423.5	4168761.2	Worker	Scenario 3	2.11E+00	4.42E-03	7.40E-03
3443	641248.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
3444	641273.5	4168786.2	Roadway/Waterway	Scenario 3	--	--	--
3445	641348.5	4168786.2	Worker	Scenario 3	2.55E+00	5.30E-03	7.26E-03
3446	641373.5	4168786.2	Worker	Scenario 3	2.32E+00	4.82E-03	7.21E-03
3447	641398.5	4168786.2	Worker	Scenario 3	2.11E+00	4.40E-03	7.05E-03
3448	641423.5	4168786.2	Worker	Scenario 3	1.98E+00	4.15E-03	7.23E-03
3449	641173.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
3450	641198.5	4168811.2	Roadway/Waterway	Scenario 3	--	--	--
3451	641348.5	4168811.2	Worker	Scenario 3	2.58E+00	5.34E-03	7.07E-03
3452	641373.5	4168811.2	Worker	Scenario 3	2.21E+00	4.59E-03	7.03E-03
3453	641398.5	4168811.2	Worker	Scenario 3	1.99E+00	4.16E-03	6.91E-03
3454	641423.5	4168811.2	Worker	Scenario 3	1.87E+00	3.92E-03	7.05E-03
3455	641098.5	4168836.2	Roadway/Waterway	Scenario 3	--	--	--
3456	641348.5	4168836.2	Worker	Scenario 3	2.47E+00	5.12E-03	6.88E-03
3457	641373.5	4168836.2	Worker	Scenario 3	2.11E+00	4.39E-03	6.86E-03
3458	641398.5	4168836.2	Worker	Scenario 3	1.89E+00	3.96E-03	6.76E-03
3459	641423.5	4168836.2	Worker	Scenario 3	1.77E+00	3.71E-03	6.89E-03
3460	641023.5	4168861.2	Roadway/Waterway	Scenario 3	--	--	--
3461	641348.5	4168861.2	Worker	Scenario 3	2.50E+00	5.19E-03	6.70E-03
3462	641373.5	4168861.2	Worker	Scenario 3	2.02E+00	4.20E-03	6.69E-03
3463	641398.5	4168861.2	Worker	Scenario 3	1.81E+00	3.78E-03	6.62E-03
3464	641423.5	4168861.2	Worker	Scenario 3	1.69E+00	3.54E-03	6.73E-03
3465	640948.5	4168886.2	Roadway/Waterway	Scenario 3	--	--	--
3466	641348.5	4168886.2	Worker	Scenario 3	2.33E+00	4.84E-03	6.53E-03
3467	641373.5	4168886.2	Worker	Scenario 3	1.93E+00	4.03E-03	6.53E-03
3468	641398.5	4168886.2	Worker	Scenario 3	1.73E+00	3.62E-03	6.48E-03
3469	641423.5	4168886.2	Worker	Scenario 3	1.61E+00	3.38E-03	6.57E-03
3470	640873.5	4168911.2	Roadway/Waterway	Scenario 3	--	--	--
3471	641348.5	4168911.2	Worker	Scenario 3	2.34E+00	4.84E-03	6.39E-03
3472	641373.5	4168911.2	Worker	Scenario 3	1.88E+00	3.92E-03	6.38E-03
3473	641398.5	4168911.2	Worker	Scenario 3	1.67E+00	3.49E-03	6.35E-03
3474	641423.5	4168911.2	Worker	Scenario 3	1.55E+00	3.25E-03	6.42E-03
3475	640773.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
3476	640798.5	4168936.2	Roadway/Waterway	Scenario 3	--	--	--
3477	641348.5	4168936.2	Worker	Scenario 3	2.27E+00	4.71E-03	6.26E-03
3478	641373.5	4168936.2	Worker	Scenario 3	1.82E+00	3.80E-03	6.22E-03
3479	641398.5	4168936.2	Worker	Scenario 3	1.61E+00	3.37E-03	6.22E-03
3480	641423.5	4168936.2	Worker	Scenario 3	1.49E+00	3.13E-03	6.28E-03
3481	640548.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
3482	640573.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
3483	640698.5	4168961.2	Roadway/Waterway	Scenario 3	--	--	--
3484	641348.5	4168961.2	Worker	Scenario 3	2.21E+00	4.59E-03	6.13E-03
3485	641373.5	4168961.2	Worker	Scenario 3	1.77E+00	3.69E-03	6.08E-03
3486	641398.5	4168961.2	Worker	Scenario 3	1.56E+00	3.26E-03	6.10E-03
3487	641423.5	4168961.2	Worker	Scenario 3	1.44E+00	3.02E-03	6.14E-03
3488	640598.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
3489	640623.5	4168986.2	Roadway/Waterway	Scenario 3	--	--	--
3490	641348.5	4168986.2	Worker	Scenario 3	2.16E+00	4.48E-03	6.01E-03
3491	641373.5	4168986.2	Worker	Scenario 3	1.72E+00	3.59E-03	5.93E-03
3492	641398.5	4168986.2	Worker	Scenario 3	1.51E+00	3.16E-03	5.98E-03
3493	641423.5	4168986.2	Worker	Scenario 3	1.39E+00	2.92E-03	6.00E-03
3494	640448.5	4169011.2	Worker	Scenario 3	7.31E-01	1.57E-03	4.17E-03
3495	640523.5	4169011.2	Worker	Scenario 3	7.56E-01	1.62E-03	5.00E-03
3496	641348.5	4169011.2	Worker	Scenario 3	2.12E+00	4.39E-03	5.89E-03
3497	641373.5	4169011.2	Worker	Scenario 3	1.68E+00	3.49E-03	5.80E-03
3498	641398.5	4169011.2	Worker	Scenario 3	1.47E+00	3.07E-03	5.86E-03
3499	641423.5	4169011.2	Worker	Scenario 3	1.34E+00	2.83E-03	5.87E-03
3500	640448.5	4169036.2	Worker	Scenario 3	7.14E-01	1.53E-03	4.12E-03
3501	640473.5	4169036.2	Worker	Scenario 3	7.21E-01	1.55E-03	4.53E-03
3502	640523.5	4169036.2	Worker	Scenario 3	7.36E-01	1.58E-03	4.96E-03
3503	641348.5	4169036.2	Worker	Scenario 3	2.08E+00	4.31E-03	5.78E-03
3504	641373.5	4169036.2	Worker	Scenario 3	1.63E+00	3.41E-03	5.66E-03
3505	641398.5	4169036.2	Worker	Scenario 3	1.42E+00	2.99E-03	5.75E-03
3506	641423.5	4169036.2	Worker	Scenario 3	1.30E+00	2.74E-03	5.75E-03
3507	640448.5	4169061.2	Worker	Scenario 3	6.99E-01	1.50E-03	4.28E-03
3508	640473.5	4169061.2	Worker	Scenario 3	7.05E-01	1.51E-03	4.62E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3509	640523.5	4169061.2	Worker	Scenario 3	7.18E-01	1.54E-03	4.88E-03
3510	641348.5	4169061.2	Worker	Scenario 3	2.04E+00	4.23E-03	5.67E-03
3511	641373.5	4169061.2	Worker	Scenario 3	1.60E+00	3.34E-03	5.54E-03
3512	641398.5	4169061.2	Worker	Scenario 3	1.39E+00	2.90E-03	5.63E-03
3513	641423.5	4169061.2	Worker	Scenario 3	1.26E+00	2.65E-03	5.61E-03
3514	640448.5	4169086.2	Worker	Scenario 3	6.84E-01	1.47E-03	4.40E-03
3515	640473.5	4169086.2	Worker	Scenario 3	6.89E-01	1.48E-03	4.66E-03
3516	640523.5	4169086.2	Worker	Scenario 3	7.00E-01	1.50E-03	4.76E-03
3517	641348.5	4169086.2	Worker	Scenario 3	2.01E+00	4.16E-03	5.56E-03
3518	641373.5	4169086.2	Worker	Scenario 3	1.56E+00	3.25E-03	5.40E-03
3519	641398.5	4169086.2	Worker	Scenario 3	1.34E+00	2.82E-03	5.50E-03
3520	641423.5	4169086.2	Worker	Scenario 3	1.23E+00	2.58E-03	5.48E-03
3521	640448.5	4169111.2	Worker	Scenario 3	6.69E-01	1.44E-03	4.48E-03
3522	640473.5	4169111.2	Worker	Scenario 3	6.73E-01	1.45E-03	4.65E-03
3523	640523.5	4169111.2	Worker	Scenario 3	6.84E-01	1.47E-03	4.72E-03
3524	641348.5	4169111.2	Worker	Scenario 3	1.97E+00	4.08E-03	5.44E-03
3525	641373.5	4169111.2	Worker	Scenario 3	1.52E+00	3.17E-03	5.27E-03
3526	641398.5	4169111.2	Worker	Scenario 3	1.31E+00	2.76E-03	5.40E-03
3527	641423.5	4169111.2	Worker	Scenario 3	1.20E+00	2.52E-03	5.38E-03
3528	640448.5	4169136.2	Worker	Scenario 3	6.54E-01	1.40E-03	4.51E-03
3529	640473.5	4169136.2	Worker	Scenario 3	6.59E-01	1.41E-03	4.60E-03
3530	640523.5	4169136.2	Worker	Scenario 3	6.68E-01	1.44E-03	4.64E-03
3531	641348.5	4169136.2	Worker	Scenario 3	1.92E+00	3.98E-03	5.32E-03
3532	641373.5	4169136.2	Worker	Scenario 3	1.49E+00	3.11E-03	5.15E-03
3533	641398.5	4169136.2	Worker	Scenario 3	1.29E+00	2.70E-03	5.30E-03
3534	641423.5	4169136.2	Worker	Scenario 3	1.17E+00	2.46E-03	5.27E-03
3535	640448.5	4169161.2	Worker	Scenario 3	6.40E-01	1.38E-03	4.49E-03
3536	640473.5	4169161.2	Worker	Scenario 3	6.44E-01	1.38E-03	4.51E-03
3537	640523.5	4169161.2	Worker	Scenario 3	6.53E-01	1.40E-03	4.52E-03
3538	641348.5	4169161.2	Worker	Scenario 3	1.89E+00	3.91E-03	5.21E-03
3539	641373.5	4169161.2	Worker	Scenario 3	1.46E+00	3.05E-03	5.04E-03
3540	641398.5	4169161.2	Worker	Scenario 3	1.26E+00	2.64E-03	5.21E-03
3541	641423.5	4169161.2	Worker	Scenario 3	1.14E+00	2.40E-03	5.17E-03
3542	640448.5	4169186.2	Worker	Scenario 3	6.27E-01	1.35E-03	4.43E-03
3543	640473.5	4169186.2	Worker	Scenario 3	6.30E-01	1.35E-03	4.43E-03
3544	640523.5	4169186.2	Worker	Scenario 3	6.38E-01	1.37E-03	4.36E-03
3545	641348.5	4169186.2	Worker	Scenario 3	1.86E+00	3.84E-03	5.11E-03
3546	641373.5	4169186.2	Worker	Scenario 3	1.44E+00	3.00E-03	4.93E-03
3547	641398.5	4169186.2	Worker	Scenario 3	1.23E+00	2.59E-03	5.11E-03
3548	641423.5	4169186.2	Worker	Scenario 3	1.12E+00	2.35E-03	5.08E-03
3549	640448.5	4169211.2	Worker	Scenario 3	6.14E-01	1.32E-03	4.34E-03
3550	640473.5	4169211.2	Worker	Scenario 3	6.17E-01	1.33E-03	4.38E-03
3551	640498.5	4169211.2	Worker	Scenario 3	6.21E-01	1.33E-03	4.34E-03
3552	640523.5	4169211.2	Worker	Scenario 3	6.24E-01	1.34E-03	4.33E-03
3553	641348.5	4169211.2	Worker	Scenario 3	1.83E+00	3.78E-03	5.01E-03
3554	641373.5	4169211.2	Worker	Scenario 3	1.41E+00	2.94E-03	4.85E-03
3555	641398.5	4169211.2	Worker	Scenario 3	1.21E+00	2.53E-03	5.02E-03
3556	641423.5	4169211.2	Worker	Scenario 3	1.09E+00	2.30E-03	4.99E-03
3557	640448.5	4169236.2	Worker	Scenario 3	6.01E-01	1.29E-03	4.28E-03
3558	640473.5	4169236.2	Worker	Scenario 3	6.04E-01	1.30E-03	4.30E-03
3559	640498.5	4169236.2	Worker	Scenario 3	6.07E-01	1.31E-03	4.19E-03
3560	640523.5	4169236.2	Worker	Scenario 3	6.11E-01	1.31E-03	4.34E-03
3561	641348.5	4169236.2	Worker	Scenario 3	1.80E+00	3.72E-03	4.91E-03
3562	641373.5	4169236.2	Worker	Scenario 3	1.39E+00	2.89E-03	4.77E-03
3563	641398.5	4169236.2	Worker	Scenario 3	1.19E+00	2.48E-03	4.93E-03
3564	641423.5	4169236.2	Worker	Scenario 3	1.07E+00	2.25E-03	4.90E-03
3565	640448.5	4169261.2	Worker	Scenario 3	5.89E-01	1.27E-03	4.23E-03
3566	640473.5	4169261.2	Worker	Scenario 3	5.92E-01	1.27E-03	4.18E-03
3567	640498.5	4169261.2	Worker	Scenario 3	5.95E-01	1.28E-03	4.18E-03
3568	640523.5	4169261.2	Worker	Scenario 3	5.98E-01	1.29E-03	4.31E-03
3569	641348.5	4169261.2	Worker	Scenario 3	1.77E+00	3.66E-03	4.81E-03
3570	641373.5	4169261.2	Worker	Scenario 3	1.36E+00	2.84E-03	4.69E-03
3571	641398.5	4169261.2	Worker	Scenario 3	1.16E+00	2.44E-03	4.84E-03
3572	641423.5	4169261.2	Worker	Scenario 3	1.05E+00	2.21E-03	4.81E-03
3573	640448.5	4169286.2	Worker	Scenario 3	5.77E-01	1.24E-03	4.14E-03
3574	640473.5	4169286.2	Worker	Scenario 3	5.80E-01	1.25E-03	4.04E-03
3575	640498.5	4169286.2	Worker	Scenario 3	5.83E-01	1.25E-03	4.18E-03
3576	640523.5	4169286.2	Worker	Scenario 3	5.85E-01	1.26E-03	4.25E-03
3577	640923.5	4169286.2	Worker	Scenario 3	6.50E-01	1.40E-03	4.60E-03
3578	640948.5	4169286.2	Worker	Scenario 3	6.55E-01	1.41E-03	4.71E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3579	640973.5	4169286.2	Worker	Scenario 3	6.61E-01	1.42E-03	4.87E-03
3580	640998.5	4169286.2	Worker	Scenario 3	6.67E-01	1.44E-03	4.87E-03
3581	641023.5	4169286.2	Worker	Scenario 3	6.73E-01	1.45E-03	4.72E-03
3582	641048.5	4169286.2	Worker	Scenario 3	6.81E-01	1.47E-03	4.67E-03
3583	641073.5	4169286.2	Worker	Scenario 3	6.89E-01	1.48E-03	4.64E-03
3584	641098.5	4169286.2	Worker	Scenario 3	6.98E-01	1.50E-03	4.69E-03
3585	641123.5	4169286.2	Worker	Scenario 3	7.09E-01	1.52E-03	4.55E-03
3586	641148.5	4169286.2	Worker	Scenario 3	7.22E-01	1.55E-03	4.69E-03
3587	641173.5	4169286.2	Worker	Scenario 3	7.38E-01	1.58E-03	4.70E-03
3588	641348.5	4169286.2	Worker	Scenario 3	1.75E+00	3.61E-03	4.72E-03
3589	641373.5	4169286.2	Worker	Scenario 3	1.34E+00	2.80E-03	4.62E-03
3590	641398.5	4169286.2	Worker	Scenario 3	1.14E+00	2.40E-03	4.75E-03
3591	641423.5	4169286.2	Worker	Scenario 3	1.03E+00	2.16E-03	4.72E-03
3592	640423.5	4169311.2	Worker	Scenario 3	5.63E-01	1.21E-03	4.08E-03
3593	640448.5	4169311.2	Worker	Scenario 3	5.65E-01	1.22E-03	4.03E-03
3594	640473.5	4169311.2	Worker	Scenario 3	5.68E-01	1.22E-03	4.03E-03
3595	640498.5	4169311.2	Worker	Scenario 3	5.71E-01	1.23E-03	4.16E-03
3596	640873.5	4169311.2	Worker	Scenario 3	6.25E-01	1.35E-03	4.49E-03
3597	640898.5	4169311.2	Worker	Scenario 3	6.29E-01	1.36E-03	4.50E-03
3598	640923.5	4169311.2	Worker	Scenario 3	6.34E-01	1.37E-03	4.51E-03
3599	640948.5	4169311.2	Worker	Scenario 3	6.39E-01	1.38E-03	4.67E-03
3600	640973.5	4169311.2	Worker	Scenario 3	6.44E-01	1.39E-03	4.79E-03
3601	640998.5	4169311.2	Worker	Scenario 3	6.51E-01	1.40E-03	4.76E-03
3602	641023.5	4169311.2	Worker	Scenario 3	6.57E-01	1.42E-03	4.60E-03
3603	641048.5	4169311.2	Worker	Scenario 3	6.65E-01	1.43E-03	4.59E-03
3604	641073.5	4169311.2	Worker	Scenario 3	6.72E-01	1.45E-03	4.58E-03
3605	641098.5	4169311.2	Worker	Scenario 3	6.81E-01	1.46E-03	4.59E-03
3606	641123.5	4169311.2	Worker	Scenario 3	6.92E-01	1.49E-03	4.44E-03
3607	641148.5	4169311.2	Worker	Scenario 3	7.05E-01	1.51E-03	4.61E-03
3608	641173.5	4169311.2	Worker	Scenario 3	7.21E-01	1.54E-03	4.60E-03
3609	641348.5	4169311.2	Worker	Scenario 3	1.72E+00	3.56E-03	4.63E-03
3610	641373.5	4169311.2	Worker	Scenario 3	1.32E+00	2.76E-03	4.55E-03
3611	641398.5	4169311.2	Worker	Scenario 3	1.13E+00	2.36E-03	4.67E-03
3612	641423.5	4169311.2	Worker	Scenario 3	1.01E+00	2.13E-03	4.64E-03
3613	640423.5	4169336.2	Worker	Scenario 3	5.52E-01	1.19E-03	3.99E-03
3614	640448.5	4169336.2	Worker	Scenario 3	5.54E-01	1.19E-03	3.89E-03
3615	640473.5	4169336.2	Worker	Scenario 3	5.57E-01	1.20E-03	4.04E-03
3616	640498.5	4169336.2	Worker	Scenario 3	5.59E-01	1.20E-03	4.10E-03
3617	640823.5	4169336.2	Worker	Scenario 3	6.03E-01	1.30E-03	4.23E-03
3618	640848.5	4169336.2	Worker	Scenario 3	6.06E-01	1.31E-03	4.38E-03
3619	640873.5	4169336.2	Worker	Scenario 3	6.10E-01	1.31E-03	4.38E-03
3620	640898.5	4169336.2	Worker	Scenario 3	6.14E-01	1.32E-03	4.43E-03
3621	640923.5	4169336.2	Worker	Scenario 3	6.19E-01	1.33E-03	4.46E-03
3622	640948.5	4169336.2	Worker	Scenario 3	6.24E-01	1.35E-03	4.64E-03
3623	640973.5	4169336.2	Worker	Scenario 3	6.30E-01	1.36E-03	4.72E-03
3624	640998.5	4169336.2	Worker	Scenario 3	6.36E-01	1.37E-03	4.65E-03
3625	641023.5	4169336.2	Worker	Scenario 3	6.42E-01	1.38E-03	4.49E-03
3626	641048.5	4169336.2	Worker	Scenario 3	6.49E-01	1.40E-03	4.51E-03
3627	641073.5	4169336.2	Worker	Scenario 3	6.57E-01	1.41E-03	4.52E-03
3628	641098.5	4169336.2	Worker	Scenario 3	6.66E-01	1.43E-03	4.49E-03
3629	641123.5	4169336.2	Worker	Scenario 3	6.76E-01	1.45E-03	4.41E-03
3630	641148.5	4169336.2	Worker	Scenario 3	6.89E-01	1.48E-03	4.55E-03
3631	641348.5	4169336.2	Worker	Scenario 3	1.69E+00	3.49E-03	4.54E-03
3632	641373.5	4169336.2	Worker	Scenario 3	1.30E+00	2.71E-03	4.48E-03
3633	641398.5	4169336.2	Worker	Scenario 3	1.11E+00	2.32E-03	4.59E-03
3634	641423.5	4169336.2	Worker	Scenario 3	9.93E-01	2.09E-03	4.56E-03
3635	640423.5	4169361.2	Worker	Scenario 3	5.41E-01	1.16E-03	3.88E-03
3636	640448.5	4169361.2	Worker	Scenario 3	5.43E-01	1.17E-03	3.89E-03
3637	640473.5	4169361.2	Worker	Scenario 3	5.46E-01	1.17E-03	4.01E-03
3638	640498.5	4169361.2	Worker	Scenario 3	5.48E-01	1.18E-03	4.02E-03
3639	640798.5	4169361.2	Worker	Scenario 3	5.86E-01	1.26E-03	4.22E-03
3640	640823.5	4169361.2	Worker	Scenario 3	5.89E-01	1.27E-03	4.22E-03
3641	640848.5	4169361.2	Worker	Scenario 3	5.92E-01	1.28E-03	4.32E-03
3642	640873.5	4169361.2	Worker	Scenario 3	5.96E-01	1.29E-03	4.31E-03
3643	640898.5	4169361.2	Worker	Scenario 3	6.01E-01	1.29E-03	4.35E-03
3644	640923.5	4169361.2	Worker	Scenario 3	6.05E-01	1.30E-03	4.43E-03
3645	640948.5	4169361.2	Worker	Scenario 3	6.10E-01	1.32E-03	4.59E-03
3646	640973.5	4169361.2	Worker	Scenario 3	6.15E-01	1.33E-03	4.63E-03
3647	640998.5	4169361.2	Worker	Scenario 3	6.21E-01	1.34E-03	4.53E-03
3648	641023.5	4169361.2	Worker	Scenario 3	6.27E-01	1.35E-03	4.41E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3649	641048.5	4169361.2	Worker	Scenario 3	6.34E-01	1.37E-03	4.43E-03
3650	641073.5	4169361.2	Worker	Scenario 3	6.42E-01	1.38E-03	4.45E-03
3651	641098.5	4169361.2	Worker	Scenario 3	6.51E-01	1.40E-03	4.39E-03
3652	641123.5	4169361.2	Worker	Scenario 3	6.61E-01	1.42E-03	4.37E-03
3653	641148.5	4169361.2	Worker	Scenario 3	6.74E-01	1.45E-03	4.47E-03
3654	641348.5	4169361.2	Worker	Scenario 3	1.66E+00	3.43E-03	4.45E-03
3655	641373.5	4169361.2	Worker	Scenario 3	1.28E+00	2.67E-03	4.41E-03
3656	641398.5	4169361.2	Worker	Scenario 3	1.09E+00	2.28E-03	4.51E-03
3657	641423.5	4169361.2	Worker	Scenario 3	9.75E-01	2.05E-03	4.49E-03
3658	640423.5	4169386.2	Worker	Scenario 3	5.30E-01	1.14E-03	3.75E-03
3659	640448.5	4169386.2	Worker	Scenario 3	5.33E-01	1.15E-03	3.90E-03
3660	640473.5	4169386.2	Worker	Scenario 3	5.35E-01	1.15E-03	3.96E-03
3661	640498.5	4169386.2	Worker	Scenario 3	5.37E-01	1.16E-03	3.96E-03
3662	640773.5	4169386.2	Worker	Scenario 3	5.70E-01	1.23E-03	4.21E-03
3663	640798.5	4169386.2	Worker	Scenario 3	5.73E-01	1.23E-03	4.10E-03
3664	640823.5	4169386.2	Worker	Scenario 3	5.76E-01	1.24E-03	4.20E-03
3665	640848.5	4169386.2	Worker	Scenario 3	5.80E-01	1.25E-03	4.26E-03
3666	640873.5	4169386.2	Worker	Scenario 3	5.84E-01	1.26E-03	4.26E-03
3667	640898.5	4169386.2	Worker	Scenario 3	5.88E-01	1.27E-03	4.27E-03
3668	640923.5	4169386.2	Worker	Scenario 3	5.92E-01	1.28E-03	4.39E-03
3669	641098.5	4169386.2	Worker	Scenario 3	6.37E-01	1.37E-03	4.29E-03
3670	641123.5	4169386.2	Worker	Scenario 3	6.47E-01	1.39E-03	4.33E-03
3671	641148.5	4169386.2	Worker	Scenario 3	6.60E-01	1.41E-03	4.40E-03
3672	641173.5	4169386.2	Worker	Scenario 3	6.76E-01	1.45E-03	4.30E-03
3673	641198.5	4169386.2	Worker	Scenario 3	6.97E-01	1.49E-03	4.04E-03
3674	641223.5	4169386.2	Worker	Scenario 3	7.27E-01	1.55E-03	4.27E-03
3675	641248.5	4169386.2	Worker	Scenario 3	7.72E-01	1.64E-03	4.41E-03
3676	641273.5	4169386.2	Worker	Scenario 3	8.49E-01	1.79E-03	4.38E-03
3677	641298.5	4169386.2	Worker	Scenario 3	1.01E+00	2.11E-03	4.42E-03
3678	641348.5	4169386.2	Worker	Scenario 3	1.63E+00	3.37E-03	4.37E-03
3679	641373.5	4169386.2	Worker	Scenario 3	1.26E+00	2.62E-03	4.34E-03
3680	641398.5	4169386.2	Worker	Scenario 3	1.07E+00	2.24E-03	4.43E-03
3681	641423.5	4169386.2	Worker	Scenario 3	9.58E-01	2.01E-03	4.41E-03
3682	640423.5	4169411.2	Worker	Scenario 3	5.20E-01	1.12E-03	3.76E-03
3683	640448.5	4169411.2	Worker	Scenario 3	5.22E-01	1.12E-03	3.88E-03
3684	640473.5	4169411.2	Worker	Scenario 3	5.24E-01	1.13E-03	3.89E-03
3685	640498.5	4169411.2	Worker	Scenario 3	5.27E-01	1.13E-03	3.93E-03
3686	640698.5	4169411.2	Worker	Scenario 3	5.48E-01	1.18E-03	3.76E-03
3687	640723.5	4169411.2	Worker	Scenario 3	5.52E-01	1.19E-03	4.01E-03
3688	640748.5	4169411.2	Worker	Scenario 3	5.55E-01	1.19E-03	4.13E-03
3689	640773.5	4169411.2	Worker	Scenario 3	5.57E-01	1.20E-03	4.11E-03
3690	640798.5	4169411.2	Worker	Scenario 3	5.61E-01	1.21E-03	4.01E-03
3691	640823.5	4169411.2	Worker	Scenario 3	5.64E-01	1.22E-03	4.16E-03
3692	640848.5	4169411.2	Worker	Scenario 3	5.67E-01	1.22E-03	4.18E-03
3693	640873.5	4169411.2	Worker	Scenario 3	5.71E-01	1.23E-03	4.21E-03
3694	641098.5	4169411.2	Worker	Scenario 3	6.23E-01	1.34E-03	4.19E-03
3695	641123.5	4169411.2	Worker	Scenario 3	6.33E-01	1.36E-03	4.28E-03
3696	641148.5	4169411.2	Worker	Scenario 3	6.46E-01	1.38E-03	4.32E-03
3697	641173.5	4169411.2	Worker	Scenario 3	6.62E-01	1.42E-03	4.20E-03
3698	641198.5	4169411.2	Worker	Scenario 3	6.83E-01	1.46E-03	3.96E-03
3699	641223.5	4169411.2	Worker	Scenario 3	7.13E-01	1.52E-03	4.23E-03
3700	641248.5	4169411.2	Worker	Scenario 3	7.59E-01	1.61E-03	4.34E-03
3701	641273.5	4169411.2	Worker	Scenario 3	8.37E-01	1.77E-03	4.32E-03
3702	641298.5	4169411.2	Worker	Scenario 3	9.96E-01	2.09E-03	4.34E-03
3703	641348.5	4169411.2	Worker	Scenario 3	1.60E+00	3.32E-03	4.28E-03
3704	641373.5	4169411.2	Worker	Scenario 3	1.24E+00	2.58E-03	4.28E-03
3705	641398.5	4169411.2	Worker	Scenario 3	1.05E+00	2.20E-03	4.36E-03
3706	641423.5	4169411.2	Worker	Scenario 3	9.42E-01	1.98E-03	4.34E-03
3707	640423.5	4169436.2	Worker	Scenario 3	5.10E-01	1.10E-03	3.76E-03
3708	640448.5	4169436.2	Worker	Scenario 3	5.12E-01	1.10E-03	3.83E-03
3709	640473.5	4169436.2	Worker	Scenario 3	5.14E-01	1.11E-03	3.83E-03
3710	640498.5	4169436.2	Worker	Scenario 3	5.17E-01	1.11E-03	3.87E-03
3711	640523.5	4169436.2	Worker	Scenario 3	5.18E-01	1.12E-03	3.80E-03
3712	640548.5	4169436.2	Worker	Scenario 3	5.21E-01	1.12E-03	3.83E-03
3713	640573.5	4169436.2	Worker	Scenario 3	5.23E-01	1.13E-03	3.94E-03
3714	640598.5	4169436.2	Worker	Scenario 3	5.26E-01	1.13E-03	3.92E-03
3715	640623.5	4169436.2	Worker	Scenario 3	5.28E-01	1.14E-03	3.96E-03
3716	640648.5	4169436.2	Worker	Scenario 3	5.31E-01	1.14E-03	3.91E-03
3717	640673.5	4169436.2	Worker	Scenario 3	5.34E-01	1.15E-03	3.75E-03
3718	640698.5	4169436.2	Worker	Scenario 3	5.36E-01	1.15E-03	3.79E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3719	640723.5	4169436.2	Worker	Scenario 3	5.39E-01	1.16E-03	3.99E-03
3720	640748.5	4169436.2	Worker	Scenario 3	5.42E-01	1.17E-03	4.07E-03
3721	640773.5	4169436.2	Worker	Scenario 3	5.46E-01	1.18E-03	4.01E-03
3722	640798.5	4169436.2	Worker	Scenario 3	5.49E-01	1.18E-03	4.00E-03
3723	640823.5	4169436.2	Worker	Scenario 3	5.52E-01	1.19E-03	4.12E-03
3724	641098.5	4169436.2	Worker	Scenario 3	6.10E-01	1.31E-03	4.08E-03
3725	641123.5	4169436.2	Worker	Scenario 3	6.20E-01	1.33E-03	4.23E-03
3726	641148.5	4169436.2	Worker	Scenario 3	6.33E-01	1.36E-03	4.24E-03
3727	641173.5	4169436.2	Worker	Scenario 3	6.49E-01	1.39E-03	4.10E-03
3728	641198.5	4169436.2	Worker	Scenario 3	6.70E-01	1.43E-03	3.93E-03
3729	641223.5	4169436.2	Worker	Scenario 3	7.00E-01	1.49E-03	4.18E-03
3730	641248.5	4169436.2	Worker	Scenario 3	7.46E-01	1.58E-03	4.27E-03
3731	641273.5	4169436.2	Worker	Scenario 3	8.25E-01	1.74E-03	4.26E-03
3732	641298.5	4169436.2	Worker	Scenario 3	9.87E-01	2.07E-03	4.27E-03
3733	641348.5	4169436.2	Worker	Scenario 3	1.58E+00	3.26E-03	4.20E-03
3734	641373.5	4169436.2	Worker	Scenario 3	1.22E+00	2.54E-03	4.21E-03
3735	641398.5	4169436.2	Worker	Scenario 3	1.03E+00	2.17E-03	4.29E-03
3736	640423.5	4169461.2	Worker	Scenario 3	5.01E-01	1.08E-03	3.75E-03
3737	640448.5	4169461.2	Worker	Scenario 3	5.02E-01	1.08E-03	3.76E-03
3738	640473.5	4169461.2	Worker	Scenario 3	5.04E-01	1.09E-03	3.80E-03
3739	640498.5	4169461.2	Worker	Scenario 3	5.07E-01	1.09E-03	3.79E-03
3740	640523.5	4169461.2	Worker	Scenario 3	5.08E-01	1.09E-03	3.67E-03
3741	640548.5	4169461.2	Worker	Scenario 3	5.10E-01	1.10E-03	3.82E-03
3742	640573.5	4169461.2	Worker	Scenario 3	5.12E-01	1.10E-03	3.87E-03
3743	640598.5	4169461.2	Worker	Scenario 3	5.14E-01	1.11E-03	3.86E-03
3744	640623.5	4169461.2	Worker	Scenario 3	5.17E-01	1.11E-03	3.88E-03
3745	640648.5	4169461.2	Worker	Scenario 3	5.19E-01	1.12E-03	3.79E-03
3746	640673.5	4169461.2	Worker	Scenario 3	5.22E-01	1.12E-03	3.59E-03
3747	640698.5	4169461.2	Worker	Scenario 3	5.25E-01	1.13E-03	3.81E-03
3748	640723.5	4169461.2	Worker	Scenario 3	5.28E-01	1.14E-03	3.96E-03
3749	640748.5	4169461.2	Worker	Scenario 3	5.31E-01	1.14E-03	4.00E-03
3750	640773.5	4169461.2	Worker	Scenario 3	5.35E-01	1.15E-03	3.90E-03
3751	640798.5	4169461.2	Worker	Scenario 3	5.38E-01	1.16E-03	3.99E-03
3752	641148.5	4169461.2	Worker	Scenario 3	6.20E-01	1.33E-03	4.16E-03
3753	641173.5	4169461.2	Worker	Scenario 3	6.36E-01	1.36E-03	4.00E-03
3754	641198.5	4169461.2	Worker	Scenario 3	6.58E-01	1.40E-03	3.90E-03
3755	641223.5	4169461.2	Worker	Scenario 3	6.88E-01	1.47E-03	4.13E-03
3756	641248.5	4169461.2	Worker	Scenario 3	7.34E-01	1.56E-03	4.20E-03
3757	641273.5	4169461.2	Worker	Scenario 3	8.14E-01	1.72E-03	4.19E-03
3758	641298.5	4169461.2	Worker	Scenario 3	9.79E-01	2.05E-03	4.19E-03
3759	641348.5	4169461.2	Worker	Scenario 3	1.55E+00	3.21E-03	4.12E-03
3760	641373.5	4169461.2	Worker	Scenario 3	1.20E+00	2.50E-03	4.15E-03
3761	638073.5	4169486.2	Worker	Scenario 3	2.16E-01	4.58E-04	1.47E-03
3762	639398.5	4169486.2	Worker	Scenario 3	6.40E-01	1.34E-03	2.40E-03
3763	640448.5	4169486.2	Worker	Scenario 3	4.92E-01	1.06E-03	3.68E-03
3764	640473.5	4169486.2	Worker	Scenario 3	4.94E-01	1.06E-03	3.73E-03
3765	640498.5	4169486.2	Worker	Scenario 3	4.95E-01	1.07E-03	3.68E-03
3766	640523.5	4169486.2	Worker	Scenario 3	4.97E-01	1.07E-03	3.68E-03
3767	640548.5	4169486.2	Worker	Scenario 3	4.99E-01	1.08E-03	3.79E-03
3768	640573.5	4169486.2	Worker	Scenario 3	5.02E-01	1.08E-03	3.79E-03
3769	640598.5	4169486.2	Worker	Scenario 3	5.04E-01	1.09E-03	3.82E-03
3770	640623.5	4169486.2	Worker	Scenario 3	5.07E-01	1.09E-03	3.80E-03
3771	640648.5	4169486.2	Worker	Scenario 3	5.09E-01	1.10E-03	3.66E-03
3772	640673.5	4169486.2	Worker	Scenario 3	5.12E-01	1.10E-03	3.59E-03
3773	640698.5	4169486.2	Worker	Scenario 3	5.14E-01	1.11E-03	3.81E-03
3774	640723.5	4169486.2	Worker	Scenario 3	5.17E-01	1.11E-03	3.92E-03
3775	640748.5	4169486.2	Worker	Scenario 3	5.21E-01	1.12E-03	3.91E-03
3776	640773.5	4169486.2	Worker	Scenario 3	5.24E-01	1.13E-03	3.81E-03
3777	638048.5	4169511.2	Worker	Scenario 3	2.09E-01	4.42E-04	1.43E-03
3778	638073.5	4169511.2	Worker	Scenario 3	2.29E-01	4.83E-04	1.46E-03
3779	640473.5	4169511.2	Worker	Scenario 3	4.84E-01	1.04E-03	3.66E-03
3780	640498.5	4169511.2	Worker	Scenario 3	4.86E-01	1.05E-03	3.56E-03
3781	640523.5	4169511.2	Worker	Scenario 3	4.88E-01	1.05E-03	3.68E-03
3782	640548.5	4169511.2	Worker	Scenario 3	4.90E-01	1.05E-03	3.74E-03
3783	640573.5	4169511.2	Worker	Scenario 3	4.92E-01	1.06E-03	3.72E-03
3784	640598.5	4169511.2	Worker	Scenario 3	4.94E-01	1.06E-03	3.76E-03
3785	640623.5	4169511.2	Worker	Scenario 3	4.97E-01	1.07E-03	3.70E-03
3786	640648.5	4169511.2	Worker	Scenario 3	4.99E-01	1.07E-03	3.53E-03
3787	640673.5	4169511.2	Worker	Scenario 3	5.02E-01	1.08E-03	3.62E-03
3788	638023.5	4169536.2	Worker	Scenario 3	2.03E-01	4.30E-04	1.41E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3789	638048.5	4169536.2	Worker	Scenario 3	2.22E-01	4.68E-04	1.46E-03
3790	638073.5	4169536.2	Worker	Scenario 3	2.42E-01	5.10E-04	1.51E-03
3791	637998.5	4169561.2	Worker	Scenario 3	1.96E-01	4.16E-04	1.42E-03
3792	638023.5	4169561.2	Worker	Scenario 3	2.14E-01	4.53E-04	1.47E-03
3793	638048.5	4169561.2	Worker	Scenario 3	2.34E-01	4.92E-04	1.51E-03
3794	638073.5	4169561.2	Worker	Scenario 3	2.57E-01	5.40E-04	1.55E-03
3795	637998.5	4169586.2	Worker	Scenario 3	2.06E-01	4.37E-04	1.47E-03
3796	638023.5	4169586.2	Worker	Scenario 3	2.24E-01	4.73E-04	1.51E-03
3797	638048.5	4169586.2	Worker	Scenario 3	2.47E-01	5.18E-04	1.54E-03
3798	638073.5	4169586.2	Worker	Scenario 3	2.76E-01	5.77E-04	1.57E-03
3799	637998.5	4169611.2	Worker	Scenario 3	2.14E-01	4.53E-04	1.50E-03
3800	638023.5	4169611.2	Worker	Scenario 3	2.34E-01	4.94E-04	1.53E-03
3801	638048.5	4169611.2	Worker	Scenario 3	2.61E-01	5.47E-04	1.56E-03
3802	638073.5	4169611.2	Worker	Scenario 3	2.96E-01	6.18E-04	1.58E-03
3803	639248.5	4169611.2	Worker	Scenario 3	6.13E-01	1.28E-03	2.19E-03
3804	637998.5	4169636.2	Worker	Scenario 3	2.22E-01	4.69E-04	1.52E-03
3805	638023.5	4169636.2	Worker	Scenario 3	2.45E-01	5.15E-04	1.55E-03
3806	638048.5	4169636.2	Worker	Scenario 3	2.75E-01	5.76E-04	1.56E-03
3807	638073.5	4169636.2	Worker	Scenario 3	3.17E-01	6.61E-04	1.58E-03
3808	637998.5	4169661.2	Worker	Scenario 3	2.30E-01	4.85E-04	1.53E-03
3809	638023.5	4169661.2	Worker	Scenario 3	2.56E-01	5.36E-04	1.55E-03
3810	638048.5	4169661.2	Worker	Scenario 3	2.89E-01	6.04E-04	1.55E-03
3811	638073.5	4169661.2	Worker	Scenario 3	3.38E-01	7.02E-04	1.55E-03
3812	637998.5	4169686.2	Worker	Scenario 3	2.39E-01	5.02E-04	1.53E-03
3813	638023.5	4169686.2	Worker	Scenario 3	2.66E-01	5.58E-04	1.53E-03
3814	638048.5	4169686.2	Worker	Scenario 3	3.02E-01	6.30E-04	1.53E-03
3815	638073.5	4169686.2	Worker	Scenario 3	3.58E-01	7.42E-04	1.52E-03
3816	637998.5	4169711.2	Worker	Scenario 3	2.47E-01	5.18E-04	1.51E-03
3817	638023.5	4169711.2	Worker	Scenario 3	2.76E-01	5.76E-04	1.50E-03
3818	638048.5	4169711.2	Worker	Scenario 3	3.05E-01	6.35E-04	1.49E-03
3819	638073.5	4169711.2	Worker	Scenario 3	3.72E-01	7.72E-04	1.47E-03
3820	637998.5	4169736.2	Worker	Scenario 3	2.54E-01	5.32E-04	1.48E-03
3821	638023.5	4169736.2	Worker	Scenario 3	2.83E-01	5.92E-04	1.46E-03
3822	638048.5	4169736.2	Worker	Scenario 3	3.08E-01	6.42E-04	1.44E-03
3823	638073.5	4169736.2	Worker	Scenario 3	3.82E-01	7.93E-04	1.42E-03
3824	639098.5	4169736.2	Worker	Scenario 3	5.67E-01	1.18E-03	2.02E-03
3825	637998.5	4169761.2	Worker	Scenario 3	2.59E-01	5.43E-04	1.43E-03
3826	638023.5	4169761.2	Worker	Scenario 3	2.89E-01	6.04E-04	1.41E-03
3827	638048.5	4169761.2	Worker	Scenario 3	3.26E-01	6.79E-04	1.38E-03
3828	638073.5	4169761.2	Worker	Scenario 3	3.90E-01	8.09E-04	1.36E-03
3829	639073.5	4169761.2	Worker	Scenario 3	5.50E-01	1.14E-03	1.98E-03
3830	637998.5	4169786.2	Worker	Scenario 3	2.64E-01	5.52E-04	1.38E-03
3831	638023.5	4169786.2	Worker	Scenario 3	2.95E-01	6.15E-04	1.35E-03
3832	638048.5	4169786.2	Worker	Scenario 3	3.37E-01	7.00E-04	1.33E-03
3833	638073.5	4169786.2	Worker	Scenario 3	3.95E-01	8.18E-04	1.32E-03
3834	639048.5	4169786.2	Worker	Scenario 3	5.35E-01	1.11E-03	1.96E-03
3835	637998.5	4169811.2	Worker	Scenario 3	2.67E-01	5.58E-04	1.32E-03
3836	638023.5	4169811.2	Worker	Scenario 3	2.98E-01	6.21E-04	1.31E-03
3837	638048.5	4169811.2	Worker	Scenario 3	3.39E-01	7.04E-04	1.30E-03
3838	638073.5	4169811.2	Worker	Scenario 3	3.96E-01	8.19E-04	1.29E-03
3839	637998.5	4169836.2	Worker	Scenario 3	2.69E-01	5.62E-04	1.28E-03
3840	638023.5	4169836.2	Worker	Scenario 3	2.99E-01	6.23E-04	1.27E-03
3841	638048.5	4169836.2	Worker	Scenario 3	3.38E-01	7.03E-04	1.27E-03
3842	638073.5	4169836.2	Worker	Scenario 3	3.93E-01	8.13E-04	1.30E-03
3843	637998.5	4169861.2	Worker	Scenario 3	2.69E-01	5.62E-04	1.25E-03
3844	638023.5	4169861.2	Worker	Scenario 3	2.98E-01	6.21E-04	1.25E-03
3845	638048.5	4169861.2	Worker	Scenario 3	3.35E-01	6.97E-04	1.30E-03
3846	638073.5	4169861.2	Worker	Scenario 3	3.86E-01	7.99E-04	1.35E-03
3847	637998.5	4169886.2	Worker	Scenario 3	2.67E-01	5.59E-04	1.25E-03
3848	638023.5	4169886.2	Worker	Scenario 3	2.95E-01	6.15E-04	1.30E-03
3849	638048.5	4169886.2	Worker	Scenario 3	3.29E-01	6.85E-04	1.35E-03
3850	638073.5	4169886.2	Worker	Scenario 3	3.75E-01	7.77E-04	1.40E-03
3851	637998.5	4169911.2	Worker	Scenario 3	2.65E-01	5.55E-04	1.30E-03
3852	638023.5	4169911.2	Worker	Scenario 3	2.91E-01	6.06E-04	1.35E-03
3853	638048.5	4169911.2	Worker	Scenario 3	3.22E-01	6.69E-04	1.39E-03
3854	638073.5	4169911.2	Worker	Scenario 3	3.62E-01	7.50E-04	1.43E-03
3855	637998.5	4169936.2	Worker	Scenario 3	2.62E-01	5.48E-04	1.34E-03
3856	638023.5	4169936.2	Worker	Scenario 3	2.85E-01	5.95E-04	1.38E-03
3857	638048.5	4169936.2	Worker	Scenario 3	3.12E-01	6.51E-04	1.42E-03
3858	638073.5	4169936.2	Worker	Scenario 3	3.45E-01	7.18E-04	1.45E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3859	637998.5	4169961.2	Worker	Scenario 3	2.58E-01	5.40E-04	1.38E-03
3860	638023.5	4169961.2	Worker	Scenario 3	2.78E-01	5.81E-04	1.41E-03
3861	638048.5	4169961.2	Worker	Scenario 3	3.01E-01	6.28E-04	1.44E-03
3862	638073.5	4169961.2	Worker	Scenario 3	3.27E-01	6.80E-04	1.46E-03
3863	637998.5	4169986.2	Worker	Scenario 3	2.52E-01	5.29E-04	1.40E-03
3864	638023.5	4169986.2	Worker	Scenario 3	2.70E-01	5.65E-04	1.43E-03
3865	638048.5	4169986.2	Worker	Scenario 3	2.89E-01	6.03E-04	1.45E-03
3866	638073.5	4169986.2	Worker	Scenario 3	3.09E-01	6.44E-04	1.46E-03
3867	637998.5	4170011.2	Worker	Scenario 3	2.46E-01	5.17E-04	1.42E-03
3868	638023.5	4170011.2	Worker	Scenario 3	2.61E-01	5.47E-04	1.43E-03
3869	638048.5	4170011.2	Worker	Scenario 3	2.77E-01	5.79E-04	1.45E-03
3870	638073.5	4170011.2	Worker	Scenario 3	2.93E-01	6.12E-04	1.45E-03
3871	637998.5	4170036.2	Worker	Scenario 3	2.40E-01	5.03E-04	1.42E-03
3872	638023.5	4170036.2	Worker	Scenario 3	2.53E-01	5.30E-04	1.43E-03
3873	638048.5	4170036.2	Worker	Scenario 3	2.66E-01	5.57E-04	1.43E-03
3874	638073.5	4170036.2	Worker	Scenario 3	2.80E-01	5.84E-04	1.43E-03
3875	638098.5	4170036.2	Worker	Scenario 3	2.92E-01	6.09E-04	1.42E-03
3876	638123.5	4170036.2	Worker	Scenario 3	3.03E-01	6.33E-04	1.40E-03
3877	638148.5	4170036.2	Worker	Scenario 3	3.15E-01	6.57E-04	1.38E-03
3878	638173.5	4170036.2	Worker	Scenario 3	3.26E-01	6.80E-04	1.42E-03
3879	638198.5	4170036.2	Worker	Scenario 3	3.38E-01	7.04E-04	1.45E-03
3880	638223.5	4170036.2	Worker	Scenario 3	3.50E-01	7.28E-04	1.47E-03
3881	638248.5	4170036.2	Worker	Scenario 3	3.62E-01	7.53E-04	1.49E-03
3882	638273.5	4170036.2	Worker	Scenario 3	3.76E-01	7.81E-04	1.49E-03
3883	638298.5	4170036.2	Worker	Scenario 3	3.91E-01	8.11E-04	1.49E-03
3884	638323.5	4170036.2	Worker	Scenario 3	4.09E-01	8.49E-04	1.51E-03
3885	638348.5	4170036.2	Worker	Scenario 3	4.34E-01	8.99E-04	1.53E-03
3886	638373.5	4170036.2	Worker	Scenario 3	4.70E-01	9.73E-04	1.54E-03
3887	638398.5	4170036.2	Worker	Scenario 3	5.18E-01	1.07E-03	1.54E-03
3888	638423.5	4170036.2	Worker	Scenario 3	5.19E-01	1.07E-03	1.56E-03
3889	638448.5	4170036.2	Worker	Scenario 3	4.92E-01	1.02E-03	1.58E-03
3890	638473.5	4170036.2	Worker	Scenario 3	4.72E-01	9.78E-04	1.60E-03
3891	638498.5	4170036.2	Worker	Scenario 3	4.55E-01	9.45E-04	1.60E-03
3892	638523.5	4170036.2	Worker	Scenario 3	4.42E-01	9.18E-04	1.59E-03
3893	638548.5	4170036.2	Worker	Scenario 3	4.32E-01	8.98E-04	1.58E-03
3894	638573.5	4170036.2	Worker	Scenario 3	4.23E-01	8.81E-04	1.55E-03
3895	638598.5	4170036.2	Worker	Scenario 3	4.16E-01	8.66E-04	1.59E-03
3896	638623.5	4170036.2	Worker	Scenario 3	4.09E-01	8.54E-04	1.63E-03
3897	638648.5	4170036.2	Worker	Scenario 3	4.04E-01	8.42E-04	1.66E-03
3898	638673.5	4170036.2	Worker	Scenario 3	3.98E-01	8.32E-04	1.67E-03
3899	638698.5	4170036.2	Worker	Scenario 3	3.93E-01	8.22E-04	1.68E-03
3900	638723.5	4170036.2	Worker	Scenario 3	3.89E-01	8.13E-04	1.67E-03
3901	638748.5	4170036.2	Worker	Scenario 3	3.84E-01	8.05E-04	1.70E-03
3902	638023.5	4170061.2	Worker	Scenario 3	2.43E-01	5.10E-04	1.40E-03
3903	638048.5	4170061.2	Worker	Scenario 3	2.56E-01	5.37E-04	1.41E-03
3904	638073.5	4170061.2	Worker	Scenario 3	2.68E-01	5.60E-04	1.40E-03
3905	638098.5	4170061.2	Worker	Scenario 3	2.78E-01	5.82E-04	1.38E-03
3906	638123.5	4170061.2	Worker	Scenario 3	2.86E-01	5.98E-04	1.38E-03
3907	638148.5	4170061.2	Worker	Scenario 3	2.85E-01	5.96E-04	1.42E-03
3908	638173.5	4170061.2	Worker	Scenario 3	2.89E-01	6.05E-04	1.44E-03
3909	638198.5	4170061.2	Worker	Scenario 3	2.96E-01	6.20E-04	1.47E-03
3910	638223.5	4170061.2	Worker	Scenario 3	3.05E-01	6.37E-04	1.48E-03
3911	638248.5	4170061.2	Worker	Scenario 3	3.14E-01	6.57E-04	1.48E-03
3912	638273.5	4170061.2	Worker	Scenario 3	3.25E-01	6.79E-04	1.48E-03
3913	638298.5	4170061.2	Worker	Scenario 3	3.38E-01	7.04E-04	1.51E-03
3914	638323.5	4170061.2	Worker	Scenario 3	3.52E-01	7.33E-04	1.52E-03
3915	638348.5	4170061.2	Worker	Scenario 3	3.67E-01	7.64E-04	1.53E-03
3916	638373.5	4170061.2	Worker	Scenario 3	3.81E-01	7.92E-04	1.53E-03
3917	638398.5	4170061.2	Worker	Scenario 3	3.90E-01	8.12E-04	1.56E-03
3918	638423.5	4170061.2	Worker	Scenario 3	3.96E-01	8.24E-04	1.58E-03
3919	638448.5	4170061.2	Worker	Scenario 3	4.01E-01	8.34E-04	1.59E-03
3920	638473.5	4170061.2	Worker	Scenario 3	4.11E-01	8.55E-04	1.59E-03
3921	638498.5	4170061.2	Worker	Scenario 3	4.07E-01	8.47E-04	1.58E-03
3922	638523.5	4170061.2	Worker	Scenario 3	4.00E-01	8.33E-04	1.56E-03
3923	638548.5	4170061.2	Worker	Scenario 3	3.97E-01	8.27E-04	1.53E-03
3924	638573.5	4170061.2	Worker	Scenario 3	3.93E-01	8.19E-04	1.58E-03
3925	638598.5	4170061.2	Worker	Scenario 3	3.88E-01	8.11E-04	1.62E-03
3926	638623.5	4170061.2	Worker	Scenario 3	3.84E-01	8.03E-04	1.64E-03
3927	638648.5	4170061.2	Worker	Scenario 3	3.80E-01	7.95E-04	1.66E-03
3928	638673.5	4170061.2	Worker	Scenario 3	3.77E-01	7.88E-04	1.66E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3929	638698.5	4170061.2	Worker	Scenario 3	3.73E-01	7.80E-04	1.66E-03
3930	638723.5	4170061.2	Worker	Scenario 3	3.69E-01	7.73E-04	1.68E-03
3931	638748.5	4170061.2	Worker	Scenario 3	3.64E-01	7.64E-04	1.69E-03
3932	638048.5	4170086.2	Worker	Scenario 3	2.47E-01	5.19E-04	1.37E-03
3933	638073.5	4170086.2	Worker	Scenario 3	2.57E-01	5.40E-04	1.35E-03
3934	638098.5	4170086.2	Worker	Scenario 3	2.67E-01	5.59E-04	1.36E-03
3935	638123.5	4170086.2	Worker	Scenario 3	2.74E-01	5.74E-04	1.40E-03
3936	638148.5	4170086.2	Worker	Scenario 3	2.86E-01	5.98E-04	1.42E-03
3937	638173.5	4170086.2	Worker	Scenario 3	2.95E-01	6.17E-04	1.44E-03
3938	638198.5	4170086.2	Worker	Scenario 3	3.05E-01	6.37E-04	1.45E-03
3939	638223.5	4170086.2	Worker	Scenario 3	3.14E-01	6.56E-04	1.45E-03
3940	638248.5	4170086.2	Worker	Scenario 3	3.24E-01	6.75E-04	1.45E-03
3941	638273.5	4170086.2	Worker	Scenario 3	3.34E-01	6.96E-04	1.48E-03
3942	638298.5	4170086.2	Worker	Scenario 3	3.44E-01	7.17E-04	1.49E-03
3943	638323.5	4170086.2	Worker	Scenario 3	3.55E-01	7.41E-04	1.50E-03
3944	638348.5	4170086.2	Worker	Scenario 3	3.67E-01	7.64E-04	1.50E-03
3945	638373.5	4170086.2	Worker	Scenario 3	3.77E-01	7.85E-04	1.53E-03
3946	638398.5	4170086.2	Worker	Scenario 3	3.82E-01	7.96E-04	1.55E-03
3947	638423.5	4170086.2	Worker	Scenario 3	3.83E-01	7.98E-04	1.56E-03
3948	638448.5	4170086.2	Worker	Scenario 3	3.80E-01	7.92E-04	1.56E-03
3949	638473.5	4170086.2	Worker	Scenario 3	3.78E-01	7.88E-04	1.56E-03
3950	638498.5	4170086.2	Worker	Scenario 3	3.74E-01	7.80E-04	1.54E-03
3951	638523.5	4170086.2	Worker	Scenario 3	3.68E-01	7.68E-04	1.51E-03
3952	638548.5	4170086.2	Worker	Scenario 3	3.66E-01	7.65E-04	1.56E-03
3953	638573.5	4170086.2	Worker	Scenario 3	3.63E-01	7.60E-04	1.59E-03
3954	638598.5	4170086.2	Worker	Scenario 3	3.61E-01	7.55E-04	1.62E-03
3955	638623.5	4170086.2	Worker	Scenario 3	3.58E-01	7.50E-04	1.63E-03
3956	638648.5	4170086.2	Worker	Scenario 3	3.56E-01	7.45E-04	1.64E-03
3957	638673.5	4170086.2	Worker	Scenario 3	3.53E-01	7.41E-04	1.63E-03
3958	638698.5	4170086.2	Worker	Scenario 3	3.51E-01	7.36E-04	1.66E-03
3959	638723.5	4170086.2	Worker	Scenario 3	3.48E-01	7.31E-04	1.67E-03
3960	638323.5	4170111.2	Worker	Scenario 3	3.31E-01	6.92E-04	1.48E-03
3961	638348.5	4170111.2	Worker	Scenario 3	3.39E-01	7.08E-04	1.51E-03
3962	638373.5	4170111.2	Worker	Scenario 3	3.45E-01	7.21E-04	1.53E-03
3963	638398.5	4170111.2	Worker	Scenario 3	3.49E-01	7.28E-04	1.54E-03
3964	638423.5	4170111.2	Worker	Scenario 3	3.50E-01	7.31E-04	1.54E-03
3965	638448.5	4170111.2	Worker	Scenario 3	3.49E-01	7.28E-04	1.53E-03
3966	638473.5	4170111.2	Worker	Scenario 3	3.47E-01	7.26E-04	1.51E-03
3967	638498.5	4170111.2	Worker	Scenario 3	3.46E-01	7.23E-04	1.50E-03
3968	638523.5	4170111.2	Worker	Scenario 3	3.43E-01	7.19E-04	1.54E-03
3969	638548.5	4170111.2	Worker	Scenario 3	3.42E-01	7.17E-04	1.57E-03
3970	638573.5	4170111.2	Worker	Scenario 3	3.41E-01	7.14E-04	1.60E-03
3971	638598.5	4170111.2	Worker	Scenario 3	3.39E-01	7.11E-04	1.61E-03
3972	638623.5	4170111.2	Worker	Scenario 3	3.37E-01	7.08E-04	1.62E-03
3973	638648.5	4170111.2	Worker	Scenario 3	3.36E-01	7.05E-04	1.61E-03
3974	638673.5	4170111.2	Worker	Scenario 3	3.34E-01	7.03E-04	1.64E-03
3975	638698.5	4170111.2	Worker	Scenario 3	3.33E-01	7.00E-04	1.65E-03
3976	642711.0	4166673.7	Worker	Scenario 3	6.37E-01	1.52E-03	7.29E-03
3977	642761.0	4166673.7	Worker	Scenario 3	6.31E-01	1.50E-03	6.82E-03
3978	642811.0	4166673.7	Worker	Scenario 3	6.23E-01	1.48E-03	6.68E-03
3979	642861.0	4166673.7	Worker	Scenario 3	6.24E-01	1.47E-03	6.28E-03
3980	642911.0	4166673.7	Worker	Scenario 3	6.19E-01	1.46E-03	5.89E-03
3981	642961.0	4166673.7	Worker	Scenario 3	6.12E-01	1.44E-03	5.77E-03
3982	643011.0	4166673.7	Worker	Scenario 3	6.15E-01	1.44E-03	5.39E-03
3983	643061.0	4166673.7	Worker	Scenario 3	6.14E-01	1.43E-03	4.95E-03
3984	643111.0	4166673.7	Worker	Scenario 3	6.14E-01	1.43E-03	4.57E-03
3985	643161.0	4166673.7	Worker	Scenario 3	6.16E-01	1.43E-03	4.25E-03
3986	643211.0	4166673.7	Worker	Scenario 3	6.19E-01	1.43E-03	4.32E-03
3987	643261.0	4166673.7	Worker	Scenario 3	6.22E-01	1.44E-03	4.42E-03
3988	643311.0	4166673.7	Worker	Scenario 3	6.25E-01	1.44E-03	4.44E-03
3989	643361.0	4166673.7	Worker	Scenario 3	6.28E-01	1.44E-03	4.38E-03
3990	643411.0	4166673.7	Worker	Scenario 3	6.32E-01	1.44E-03	4.25E-03
3991	643461.0	4166673.7	Worker	Scenario 3	6.34E-01	1.45E-03	4.11E-03
3992	643511.0	4166673.7	Worker	Scenario 3	6.36E-01	1.45E-03	4.08E-03
3993	643561.0	4166673.7	Worker	Scenario 3	6.37E-01	1.44E-03	4.04E-03
3994	643611.0	4166673.7	Worker	Scenario 3	6.36E-01	1.44E-03	4.15E-03
3995	643661.0	4166673.7	Worker	Scenario 3	6.33E-01	1.43E-03	4.36E-03
3996	643711.0	4166673.7	Worker	Scenario 3	6.27E-01	1.41E-03	4.54E-03
3997	643761.0	4166673.7	Worker	Scenario 3	6.20E-01	1.40E-03	4.68E-03
3998	643811.0	4166673.7	Worker	Scenario 3	6.11E-01	1.38E-03	4.80E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3999	643861.0	4166673.7	Worker	Scenario 3	6.01E-01	1.35E-03	4.89E-03
4000	643911.0	4166673.7	Worker	Scenario 3	5.90E-01	1.33E-03	4.94E-03
4001	643961.0	4166673.7	Worker	Scenario 3	5.80E-01	1.30E-03	4.97E-03
4002	644011.0	4166673.7	Worker	Scenario 3	5.70E-01	1.28E-03	4.96E-03
4003	644061.0	4166673.7	Worker	Scenario 3	5.60E-01	1.26E-03	4.94E-03
4004	644111.0	4166673.7	Worker	Scenario 3	5.51E-01	1.24E-03	4.89E-03
4005	641461.0	4166723.7	Worker	Scenario 3	6.77E-01	1.61E-03	2.73E-02
4006	641511.0	4166723.7	Worker	Scenario 3	6.57E-01	1.60E-03	3.28E-02
4007	641561.0	4166723.7	Worker	Scenario 3	6.81E-01	1.69E-03	3.67E-02
4008	641611.0	4166723.7	Worker	Scenario 3	7.26E-01	1.81E-03	3.03E-02
4009	641661.0	4166723.7	Worker	Scenario 3	7.88E-01	1.97E-03	3.17E-02
4010	641711.0	4166723.7	Worker	Scenario 3	8.53E-01	2.13E-03	2.58E-02
4011	641761.0	4166723.7	Worker	Scenario 3	9.15E-01	2.28E-03	2.23E-02
4012	641811.0	4166723.7	Worker	Scenario 3	9.63E-01	2.42E-03	1.78E-02
4013	641861.0	4166723.7	Worker	Scenario 3	9.98E-01	2.50E-03	1.72E-02
4014	641911.0	4166723.7	Worker	Scenario 3	1.02E+00	2.54E-03	1.66E-02
4015	641961.0	4166723.7	Worker	Scenario 3	1.03E+00	2.55E-03	1.60E-02
4016	642011.0	4166723.7	Worker	Scenario 3	1.02E+00	2.52E-03	1.47E-02
4017	642061.0	4166723.7	Worker	Scenario 3	9.94E-01	2.44E-03	1.40E-02
4018	642111.0	4166723.7	Worker	Scenario 3	9.62E-01	2.35E-03	1.29E-02
4019	642161.0	4166723.7	Worker	Scenario 3	9.26E-01	2.25E-03	1.29E-02
4020	642211.0	4166723.7	Worker	Scenario 3	8.93E-01	2.16E-03	1.08E-02
4021	642261.0	4166723.7	Worker	Scenario 3	8.62E-01	2.08E-03	1.16E-02
4022	642311.0	4166723.7	Worker	Scenario 3	8.34E-01	2.01E-03	1.17E-02
4023	642361.0	4166723.7	Worker	Scenario 3	8.09E-01	1.95E-03	1.05E-02
4024	642411.0	4166723.7	Worker	Scenario 3	7.87E-01	1.89E-03	9.78E-03
4025	642661.0	4166723.7	Worker	Scenario 3	7.08E-01	1.69E-03	7.66E-03
4026	642711.0	4166723.7	Worker	Scenario 3	7.00E-01	1.67E-03	7.42E-03
4027	642761.0	4166723.7	Worker	Scenario 3	6.93E-01	1.65E-03	7.02E-03
4028	642811.0	4166723.7	Worker	Scenario 3	6.88E-01	1.63E-03	6.60E-03
4029	642861.0	4166723.7	Worker	Scenario 3	6.81E-01	1.61E-03	6.38E-03
4030	642911.0	4166723.7	Worker	Scenario 3	6.84E-01	1.61E-03	5.87E-03
4031	642961.0	4166723.7	Worker	Scenario 3	6.77E-01	1.59E-03	5.36E-03
4032	643011.0	4166723.7	Worker	Scenario 3	6.78E-01	1.59E-03	4.91E-03
4033	643061.0	4166723.7	Worker	Scenario 3	6.78E-01	1.58E-03	4.76E-03
4034	643111.0	4166723.7	Worker	Scenario 3	6.80E-01	1.58E-03	4.91E-03
4035	643161.0	4166723.7	Worker	Scenario 3	6.84E-01	1.58E-03	4.95E-03
4036	643211.0	4166723.7	Worker	Scenario 3	6.87E-01	1.59E-03	4.89E-03
4037	643261.0	4166723.7	Worker	Scenario 3	6.91E-01	1.59E-03	4.74E-03
4038	643311.0	4166723.7	Worker	Scenario 3	6.95E-01	1.59E-03	4.55E-03
4039	643361.0	4166723.7	Worker	Scenario 3	6.99E-01	1.60E-03	4.50E-03
4040	643411.0	4166723.7	Worker	Scenario 3	7.03E-01	1.60E-03	4.41E-03
4041	643461.0	4166723.7	Worker	Scenario 3	7.07E-01	1.60E-03	4.52E-03
4042	643511.0	4166723.7	Worker	Scenario 3	7.08E-01	1.60E-03	4.74E-03
4043	643561.0	4166723.7	Worker	Scenario 3	7.08E-01	1.60E-03	4.92E-03
4044	643611.0	4166723.7	Worker	Scenario 3	7.05E-01	1.59E-03	5.06E-03
4045	643661.0	4166723.7	Worker	Scenario 3	6.99E-01	1.57E-03	5.17E-03
4046	643711.0	4166723.7	Worker	Scenario 3	6.91E-01	1.55E-03	5.24E-03
4047	643761.0	4166723.7	Worker	Scenario 3	6.81E-01	1.53E-03	5.27E-03
4048	643811.0	4166723.7	Worker	Scenario 3	6.69E-01	1.50E-03	5.28E-03
4049	643861.0	4166723.7	Worker	Scenario 3	6.57E-01	1.47E-03	5.25E-03
4050	643911.0	4166723.7	Worker	Scenario 3	6.45E-01	1.44E-03	5.19E-03
4051	643961.0	4166723.7	Worker	Scenario 3	6.33E-01	1.42E-03	5.11E-03
4052	644011.0	4166723.7	Worker	Scenario 3	6.22E-01	1.39E-03	5.01E-03
4053	644061.0	4166723.7	Worker	Scenario 3	6.12E-01	1.37E-03	4.89E-03
4054	644111.0	4166723.7	Worker	Scenario 3	6.02E-01	1.35E-03	4.75E-03
4055	644161.0	4166723.7	Worker	Scenario 3	5.92E-01	1.32E-03	4.60E-03
4056	644211.0	4166723.7	Worker	Scenario 3	5.83E-01	1.30E-03	4.44E-03
4057	644261.0	4166723.7	Worker	Scenario 3	5.73E-01	1.28E-03	4.28E-03
4058	644311.0	4166723.7	Worker	Scenario 3	5.63E-01	1.26E-03	4.11E-03
4059	644361.0	4166723.7	Worker	Scenario 3	5.53E-01	1.23E-03	3.93E-03
4060	644411.0	4166723.7	Worker	Scenario 3	5.42E-01	1.21E-03	3.76E-03
4061	641461.0	4166773.7	Worker	Scenario 3	7.62E-01	1.82E-03	3.10E-02
4062	641511.0	4166773.7	Worker	Scenario 3	7.67E-01	1.87E-03	3.61E-02
4063	641561.0	4166773.7	Worker	Scenario 3	8.15E-01	2.02E-03	3.94E-02
4064	641611.0	4166773.7	Worker	Scenario 3	8.91E-01	2.22E-03	3.31E-02
4065	641661.0	4166773.7	Worker	Scenario 3	9.81E-01	2.44E-03	3.45E-02
4066	641711.0	4166773.7	Worker	Scenario 3	1.07E+00	2.66E-03	2.82E-02
4067	641761.0	4166773.7	Worker	Scenario 3	1.16E+00	2.89E-03	2.23E-02
4068	641811.0	4166773.7	Worker	Scenario 3	1.22E+00	3.02E-03	2.07E-02

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
4069	641861.0	4166773.7	Worker	Scenario 3	1.25E+00	3.10E-03	1.92E-02
4070	641911.0	4166773.7	Worker	Scenario 3	1.27E+00	3.12E-03	1.83E-02
4071	641961.0	4166773.7	Worker	Scenario 3	1.26E+00	3.09E-03	1.70E-02
4072	642011.0	4166773.7	Worker	Scenario 3	1.24E+00	3.00E-03	1.58E-02
4073	642061.0	4166773.7	Worker	Scenario 3	1.18E+00	2.86E-03	1.46E-02
4074	642111.0	4166773.7	Worker	Scenario 3	1.13E+00	2.72E-03	1.43E-02
4075	642161.0	4166773.7	Worker	Scenario 3	1.08E+00	2.59E-03	1.24E-02
4076	642211.0	4166773.7	Worker	Scenario 3	1.03E+00	2.47E-03	1.33E-02
4077	642261.0	4166773.7	Worker	Scenario 3	9.85E-01	2.37E-03	1.28E-02
4078	642311.0	4166773.7	Worker	Scenario 3	9.46E-01	2.27E-03	1.13E-02
4079	642361.0	4166773.7	Worker	Scenario 3	9.12E-01	2.19E-03	1.06E-02
4080	642611.0	4166773.7	Worker	Scenario 3	7.94E-01	1.90E-03	8.37E-03
4081	642661.0	4166773.7	Worker	Scenario 3	7.80E-01	1.86E-03	7.85E-03
4082	642711.0	4166773.7	Worker	Scenario 3	7.71E-01	1.84E-03	7.41E-03
4083	642761.0	4166773.7	Worker	Scenario 3	7.65E-01	1.82E-03	7.04E-03
4084	642811.0	4166773.7	Worker	Scenario 3	7.62E-01	1.80E-03	6.45E-03
4085	642861.0	4166773.7	Worker	Scenario 3	7.60E-01	1.79E-03	5.83E-03
4086	642911.0	4166773.7	Worker	Scenario 3	7.56E-01	1.78E-03	5.39E-03
4087	642961.0	4166773.7	Worker	Scenario 3	7.60E-01	1.78E-03	5.50E-03
4088	643011.0	4166773.7	Worker	Scenario 3	7.60E-01	1.77E-03	5.57E-03
4089	643061.0	4166773.7	Worker	Scenario 3	7.62E-01	1.77E-03	5.51E-03
4090	643111.0	4166773.7	Worker	Scenario 3	7.67E-01	1.77E-03	5.34E-03
4091	643161.0	4166773.7	Worker	Scenario 3	7.72E-01	1.78E-03	5.11E-03
4092	643211.0	4166773.7	Worker	Scenario 3	7.77E-01	1.78E-03	4.99E-03
4093	643261.0	4166773.7	Worker	Scenario 3	7.82E-01	1.79E-03	4.86E-03
4094	643311.0	4166773.7	Worker	Scenario 3	7.87E-01	1.79E-03	4.95E-03
4095	643361.0	4166773.7	Worker	Scenario 3	7.93E-01	1.80E-03	5.18E-03
4096	643411.0	4166773.7	Worker	Scenario 3	7.97E-01	1.80E-03	5.35E-03
4097	643461.0	4166773.7	Worker	Scenario 3	8.00E-01	1.80E-03	5.49E-03
4098	643511.0	4166773.7	Worker	Scenario 3	8.01E-01	1.80E-03	5.58E-03
4099	643561.0	4166773.7	Worker	Scenario 3	7.98E-01	1.79E-03	5.63E-03
4100	643611.0	4166773.7	Worker	Scenario 3	7.92E-01	1.77E-03	5.63E-03
4101	643661.0	4166773.7	Worker	Scenario 3	7.83E-01	1.75E-03	5.60E-03
4102	643711.0	4166773.7	Worker	Scenario 3	7.72E-01	1.72E-03	5.54E-03
4103	643761.0	4166773.7	Worker	Scenario 3	7.58E-01	1.69E-03	5.44E-03
4104	643811.0	4166773.7	Worker	Scenario 3	7.44E-01	1.66E-03	5.32E-03
4105	643861.0	4166773.7	Worker	Scenario 3	7.29E-01	1.63E-03	5.18E-03
4106	643911.0	4166773.7	Worker	Scenario 3	7.15E-01	1.59E-03	5.02E-03
4107	643961.0	4166773.7	Worker	Scenario 3	7.02E-01	1.56E-03	4.85E-03
4108	644011.0	4166773.7	Worker	Scenario 3	6.90E-01	1.54E-03	4.67E-03
4109	644061.0	4166773.7	Worker	Scenario 3	6.79E-01	1.51E-03	4.48E-03
4110	644111.0	4166773.7	Worker	Scenario 3	6.69E-01	1.49E-03	4.28E-03
4111	644161.0	4166773.7	Worker	Scenario 3	6.58E-01	1.46E-03	4.09E-03
4112	644211.0	4166773.7	Worker	Scenario 3	6.47E-01	1.44E-03	3.89E-03
4113	644261.0	4166773.7	Worker	Scenario 3	6.35E-01	1.41E-03	3.69E-03
4114	644311.0	4166773.7	Worker	Scenario 3	6.22E-01	1.38E-03	3.50E-03
4115	644361.0	4166773.7	Worker	Scenario 3	6.08E-01	1.35E-03	3.31E-03
4116	644411.0	4166773.7	Worker	Scenario 3	5.94E-01	1.32E-03	3.13E-03
4117	644461.0	4166773.7	Worker	Scenario 3	5.78E-01	1.28E-03	2.96E-03
4118	644511.0	4166773.7	Worker	Scenario 3	5.59E-01	1.24E-03	2.85E-03
4119	641511.0	4166823.7	Worker	Scenario 3	9.28E-01	2.27E-03	3.97E-02
4120	641561.0	4166823.7	Worker	Scenario 3	1.02E+00	2.53E-03	4.14E-02
4121	641611.0	4166823.7	Worker	Scenario 3	1.16E+00	2.86E-03	3.58E-02
4122	641661.0	4166823.7	Worker	Scenario 3	1.29E+00	3.17E-03	3.43E-02
4123	641711.0	4166823.7	Worker	Scenario 3	1.42E+00	3.47E-03	2.85E-02
4124	641761.0	4166823.7	Worker	Scenario 3	1.52E+00	3.74E-03	2.32E-02
4125	641811.0	4166823.7	Worker	Scenario 3	1.60E+00	3.90E-03	2.16E-02
4126	641861.0	4166823.7	Worker	Scenario 3	1.63E+00	3.97E-03	2.13E-02
4127	641911.0	4166823.7	Worker	Scenario 3	1.64E+00	3.95E-03	1.98E-02
4128	641961.0	4166823.7	Worker	Scenario 3	1.60E+00	3.84E-03	1.80E-02
4129	642011.0	4166823.7	Worker	Scenario 3	1.53E+00	3.65E-03	1.68E-02
4130	642061.0	4166823.7	Worker	Scenario 3	1.43E+00	3.42E-03	1.60E-02
4131	642111.0	4166823.7	Worker	Scenario 3	1.35E+00	3.21E-03	1.46E-02
4132	642161.0	4166823.7	Worker	Scenario 3	1.27E+00	3.02E-03	1.52E-02
4133	642211.0	4166823.7	Worker	Scenario 3	1.20E+00	2.86E-03	1.38E-02
4134	642261.0	4166823.7	Worker	Scenario 3	1.13E+00	2.71E-03	1.25E-02
4135	642311.0	4166823.7	Worker	Scenario 3	1.08E+00	2.58E-03	1.12E-02
4136	644111.0	4166823.7	Worker	Scenario 3	7.66E-01	1.69E-03	3.59E-03
4137	644161.0	4166823.7	Worker	Scenario 3	7.53E-01	1.66E-03	3.38E-03
4138	644211.0	4166823.7	Worker	Scenario 3	7.39E-01	1.63E-03	3.18E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4139	644261.0	4166823.7	Worker	Scenario 3	7.22E-01	1.59E-03	3.01E-03
4140	644311.0	4166823.7	Worker	Scenario 3	7.02E-01	1.55E-03	2.88E-03
4141	644411.0	4166823.7	Worker	Scenario 3	6.57E-01	1.45E-03	2.67E-03
4142	644461.0	4166823.7	Worker	Scenario 3	6.39E-01	1.41E-03	2.58E-03
4143	644511.0	4166823.7	Worker	Scenario 3	6.18E-01	1.36E-03	2.50E-03
4144	644711.0	4166973.7	Worker	Scenario 3	6.79E-01	1.49E-03	2.21E-03
4145	644761.0	4166973.7	Worker	Scenario 3	6.49E-01	1.42E-03	2.16E-03
4146	641161.0	4167023.7	Worker	Scenario 3	5.75E-01	1.58E-03	3.59E-02
4147	641211.0	4167023.7	Worker	Scenario 3	6.66E-01	1.84E-03	4.50E-02
4148	641261.0	4167023.7	Worker	Scenario 3	7.97E-01	2.20E-03	5.92E-02
4149	644711.0	4167023.7	Worker	Scenario 3	7.21E-01	1.57E-03	2.19E-03
4150	644761.0	4167023.7	Worker	Scenario 3	6.84E-01	1.50E-03	2.15E-03
4151	644811.0	4167023.7	Worker	Scenario 3	6.53E-01	1.43E-03	2.12E-03
4152	641161.0	4167073.7	Worker	Scenario 3	6.35E-01	1.79E-03	4.72E-02
4153	641211.0	4167073.7	Worker	Scenario 3	7.41E-01	2.11E-03	4.51E-02
4154	641261.0	4167073.7	Worker	Scenario 3	8.99E-01	2.56E-03	5.70E-02
4155	644711.0	4167073.7	Worker	Scenario 3	7.62E-01	1.66E-03	2.21E-03
4156	644761.0	4167073.7	Worker	Scenario 3	7.16E-01	1.56E-03	2.15E-03
4157	644811.0	4167073.7	Worker	Scenario 3	6.79E-01	1.49E-03	2.10E-03
4158	641161.0	4167123.7	Worker	Scenario 3	7.00E-01	2.04E-03	4.89E-02
4159	641211.0	4167123.7	Worker	Scenario 3	8.23E-01	2.42E-03	5.60E-02
4160	641261.0	4167123.7	Worker	Scenario 3	1.01E+00	2.99E-03	5.89E-02
4161	644711.0	4167123.7	Worker	Scenario 3	7.99E-01	1.73E-03	2.16E-03
4162	644761.0	4167123.7	Worker	Scenario 3	7.41E-01	1.62E-03	2.12E-03
4163	644811.0	4167123.7	Worker	Scenario 3	6.97E-01	1.52E-03	2.09E-03
4164	641161.0	4167173.7	Worker	Scenario 3	7.73E-01	2.39E-03	5.07E-02
4165	641211.0	4167173.7	Worker	Scenario 3	9.17E-01	2.89E-03	5.38E-02
4166	641261.0	4167173.7	Worker	Scenario 3	1.14E+00	3.63E-03	5.91E-02
4167	644711.0	4167173.7	Worker	Scenario 3	8.20E-01	1.78E-03	2.22E-03
4168	644761.0	4167173.7	Worker	Scenario 3	7.54E-01	1.64E-03	2.17E-03
4169	644811.0	4167173.7	Worker	Scenario 3	7.09E-01	1.55E-03	2.12E-03
4170	641161.0	4167223.7	Worker	Scenario 3	8.49E-01	2.67E-03	6.67E-02
4171	641211.0	4167223.7	Worker	Scenario 3	1.01E+00	3.29E-03	6.81E-02
4172	641261.0	4167223.7	Worker	Scenario 3	1.25E+00	4.22E-03	8.65E-02
4173	644711.0	4167223.7	Worker	Scenario 3	7.96E-01	1.73E-03	2.12E-03
4174	644761.0	4167223.7	Worker	Scenario 3	7.47E-01	1.63E-03	2.08E-03
4175	644811.0	4167223.7	Worker	Scenario 3	7.08E-01	1.55E-03	2.04E-03
4176	641161.0	4167273.7	Worker	Scenario 3	9.26E-01	2.93E-03	5.97E-02
4177	641211.0	4167273.7	Worker	Scenario 3	1.10E+00	3.67E-03	6.87E-02
4178	641261.0	4167273.7	Worker	Scenario 3	1.36E+00	4.82E-03	9.07E-02
4179	641161.0	4167323.7	Worker	Scenario 3	1.00E+00	3.17E-03	6.06E-02
4180	641211.0	4167323.7	Worker	Scenario 3	1.19E+00	3.98E-03	7.66E-02
4181	641261.0	4167323.7	Worker	Scenario 3	1.45E+00	5.30E-03	1.05E-01
4182	641161.0	4167373.7	Worker	Scenario 3	1.09E+00	3.38E-03	5.47E-02
4183	641211.0	4167373.7	Worker	Scenario 3	1.28E+00	4.24E-03	7.04E-02
4184	641261.0	4167373.7	Worker	Scenario 3	1.54E+00	5.63E-03	9.01E-02
4185	644511.0	4167373.7	Worker	Scenario 3	8.84E-01	1.92E-03	2.36E-03
4186	644561.0	4167373.7	Worker	Scenario 3	8.48E-01	1.85E-03	2.30E-03
4187	644611.0	4167373.7	Worker	Scenario 3	8.14E-01	1.77E-03	2.25E-03
4188	644661.0	4167373.7	Worker	Scenario 3	7.81E-01	1.71E-03	2.20E-03
4189	644711.0	4167373.7	Worker	Scenario 3	7.51E-01	1.64E-03	2.16E-03
4190	644761.0	4167373.7	Worker	Scenario 3	7.22E-01	1.58E-03	2.11E-03
4191	644811.0	4167373.7	Worker	Scenario 3	6.96E-01	1.52E-03	2.07E-03
4192	640961.0	4167423.7	Worker	Scenario 3	7.51E-01	1.99E-03	2.60E-02
4193	641011.0	4167423.7	Worker	Scenario 3	8.27E-01	2.24E-03	2.95E-02
4194	641061.0	4167423.7	Worker	Scenario 3	9.23E-01	2.58E-03	3.40E-02
4195	641111.0	4167423.7	Worker	Scenario 3	1.05E+00	3.03E-03	3.82E-02
4196	641161.0	4167423.7	Worker	Scenario 3	1.20E+00	3.64E-03	4.74E-02
4197	641211.0	4167423.7	Worker	Scenario 3	1.38E+00	4.54E-03	6.62E-02
4198	641261.0	4167423.7	Worker	Scenario 3	1.63E+00	5.96E-03	8.56E-02
4199	644361.0	4167423.7	Worker	Scenario 3	9.90E-01	2.15E-03	2.35E-03
4200	644411.0	4167423.7	Worker	Scenario 3	9.50E-01	2.06E-03	2.30E-03
4201	644461.0	4167423.7	Worker	Scenario 3	9.12E-01	1.98E-03	2.25E-03
4202	644511.0	4167423.7	Worker	Scenario 3	8.76E-01	1.90E-03	2.20E-03
4203	644561.0	4167423.7	Worker	Scenario 3	8.41E-01	1.83E-03	2.15E-03
4204	644611.0	4167423.7	Worker	Scenario 3	8.07E-01	1.76E-03	2.10E-03
4205	644661.0	4167423.7	Worker	Scenario 3	7.77E-01	1.69E-03	2.06E-03
4206	644711.0	4167423.7	Worker	Scenario 3	7.47E-01	1.63E-03	2.01E-03
4207	644761.0	4167423.7	Worker	Scenario 3	7.20E-01	1.57E-03	1.97E-03
4208	640761.0	4167473.7	Worker	Scenario 3	5.91E-01	1.45E-03	1.61E-02

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4209	640811.0	4167473.7	Worker	Scenario 3	6.42E-01	1.59E-03	1.76E-02
4210	640861.0	4167473.7	Worker	Scenario 3	7.01E-01	1.76E-03	1.89E-02
4211	640911.0	4167473.7	Worker	Scenario 3	7.67E-01	1.95E-03	2.00E-02
4212	640961.0	4167473.7	Worker	Scenario 3	8.42E-01	2.18E-03	2.12E-02
4213	641011.0	4167473.7	Worker	Scenario 3	9.29E-01	2.47E-03	2.81E-02
4214	641061.0	4167473.7	Worker	Scenario 3	1.04E+00	2.84E-03	3.50E-02
4215	641111.0	4167473.7	Worker	Scenario 3	1.17E+00	3.33E-03	4.06E-02
4216	643361.0	4167473.7	Worker	Scenario 3	6.05E+00	1.25E-02	4.67E-03
4217	643411.0	4167473.7	Worker	Scenario 3	4.89E+00	1.01E-02	4.48E-03
4218	643461.0	4167473.7	Worker	Scenario 3	4.07E+00	8.48E-03	4.30E-03
4219	643511.0	4167473.7	Worker	Scenario 3	3.47E+00	7.26E-03	4.13E-03
4220	643561.0	4167473.7	Worker	Scenario 3	3.02E+00	6.34E-03	3.96E-03
4221	643611.0	4167473.7	Worker	Scenario 3	2.67E+00	5.63E-03	3.80E-03
4222	643661.0	4167473.7	Worker	Scenario 3	2.39E+00	5.06E-03	3.65E-03
4223	643711.0	4167473.7	Worker	Scenario 3	2.17E+00	4.60E-03	3.51E-03
4224	643761.0	4167473.7	Worker	Scenario 3	1.98E+00	4.21E-03	3.37E-03
4225	643811.0	4167473.7	Worker	Scenario 3	1.83E+00	3.90E-03	3.24E-03
4226	643861.0	4167473.7	Worker	Scenario 3	1.70E+00	3.62E-03	3.14E-03
4227	643911.0	4167473.7	Worker	Scenario 3	1.58E+00	3.39E-03	3.04E-03
4228	643961.0	4167473.7	Worker	Scenario 3	1.48E+00	3.18E-03	2.95E-03
4229	644211.0	4167473.7	Worker	Scenario 3	1.12E+00	2.43E-03	2.56E-03
4230	644261.0	4167473.7	Worker	Scenario 3	1.07E+00	2.32E-03	2.49E-03
4231	644311.0	4167473.7	Worker	Scenario 3	1.02E+00	2.22E-03	2.43E-03
4232	644361.0	4167473.7	Worker	Scenario 3	9.81E-01	2.13E-03	2.37E-03
4233	644411.0	4167473.7	Worker	Scenario 3	9.41E-01	2.04E-03	2.31E-03
4234	644461.0	4167473.7	Worker	Scenario 3	9.02E-01	1.96E-03	2.26E-03
4235	644511.0	4167473.7	Worker	Scenario 3	8.66E-01	1.88E-03	2.20E-03
4236	644561.0	4167473.7	Worker	Scenario 3	8.33E-01	1.81E-03	2.15E-03
4237	644611.0	4167473.7	Worker	Scenario 3	8.00E-01	1.74E-03	2.09E-03
4238	644661.0	4167473.7	Worker	Scenario 3	7.70E-01	1.68E-03	2.04E-03
4239	640561.0	4167523.7	Worker	Scenario 3	4.95E-01	1.17E-03	1.12E-02
4240	640611.0	4167523.7	Worker	Scenario 3	5.23E-01	1.24E-03	1.18E-02
4241	640661.0	4167523.7	Worker	Scenario 3	5.63E-01	1.34E-03	1.24E-02
4242	640711.0	4167523.7	Worker	Scenario 3	6.08E-01	1.46E-03	1.27E-02
4243	640761.0	4167523.7	Worker	Scenario 3	6.62E-01	1.60E-03	1.28E-02
4244	640811.0	4167523.7	Worker	Scenario 3	7.24E-01	1.76E-03	1.55E-02
4245	640861.0	4167523.7	Worker	Scenario 3	7.93E-01	1.95E-03	1.92E-02
4246	640911.0	4167523.7	Worker	Scenario 3	8.75E-01	2.18E-03	2.26E-02
4247	640961.0	4167523.7	Worker	Scenario 3	9.67E-01	2.45E-03	2.48E-02
4248	643361.0	4167523.7	Worker	Scenario 3	5.78E+00	1.19E-02	4.69E-03
4249	643411.0	4167523.7	Worker	Scenario 3	4.69E+00	9.72E-03	4.56E-03
4250	643461.0	4167523.7	Worker	Scenario 3	3.92E+00	8.17E-03	4.44E-03
4251	643511.0	4167523.7	Worker	Scenario 3	3.36E+00	7.02E-03	4.31E-03
4252	643561.0	4167523.7	Worker	Scenario 3	2.93E+00	6.15E-03	4.18E-03
4253	643611.0	4167523.7	Worker	Scenario 3	2.60E+00	5.47E-03	4.06E-03
4254	643661.0	4167523.7	Worker	Scenario 3	2.34E+00	4.93E-03	3.93E-03
4255	643711.0	4167523.7	Worker	Scenario 3	2.12E+00	4.49E-03	3.81E-03
4256	643761.0	4167523.7	Worker	Scenario 3	1.94E+00	4.12E-03	3.70E-03
4257	643811.0	4167523.7	Worker	Scenario 3	1.79E+00	3.82E-03	3.59E-03
4258	643861.0	4167523.7	Worker	Scenario 3	1.66E+00	3.55E-03	3.47E-03
4259	643911.0	4167523.7	Worker	Scenario 3	1.55E+00	3.32E-03	3.37E-03
4260	643961.0	4167523.7	Worker	Scenario 3	1.46E+00	3.12E-03	3.26E-03
4261	644011.0	4167523.7	Worker	Scenario 3	1.37E+00	2.94E-03	3.16E-03
4262	644061.0	4167523.7	Worker	Scenario 3	1.29E+00	2.78E-03	3.06E-03
4263	644111.0	4167523.7	Worker	Scenario 3	1.22E+00	2.64E-03	2.96E-03
4264	644161.0	4167523.7	Worker	Scenario 3	1.16E+00	2.50E-03	2.86E-03
4265	644211.0	4167523.7	Worker	Scenario 3	1.11E+00	2.39E-03	2.77E-03
4266	644261.0	4167523.7	Worker	Scenario 3	1.06E+00	2.28E-03	2.68E-03
4267	644311.0	4167523.7	Worker	Scenario 3	1.01E+00	2.18E-03	2.60E-03
4268	644361.0	4167523.7	Worker	Scenario 3	9.66E-01	2.09E-03	2.51E-03
4269	644411.0	4167523.7	Worker	Scenario 3	9.26E-01	2.01E-03	2.43E-03
4270	644461.0	4167523.7	Worker	Scenario 3	8.89E-01	1.93E-03	2.36E-03
4271	644511.0	4167523.7	Worker	Scenario 3	8.54E-01	1.86E-03	2.28E-03
4272	640361.0	4167573.7	Worker	Scenario 3	4.06E-01	9.38E-04	8.32E-03
4273	640411.0	4167573.7	Worker	Scenario 3	4.33E-01	1.00E-03	8.63E-03
4274	640461.0	4167573.7	Worker	Scenario 3	4.67E-01	1.08E-03	8.84E-03
4275	640511.0	4167573.7	Worker	Scenario 3	5.11E-01	1.18E-03	8.93E-03
4276	640561.0	4167573.7	Worker	Scenario 3	5.46E-01	1.27E-03	8.92E-03
4277	640611.0	4167573.7	Worker	Scenario 3	5.87E-01	1.37E-03	9.83E-03
4278	640661.0	4167573.7	Worker	Scenario 3	6.34E-01	1.49E-03	1.20E-02

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4279	640711.0	4167573.7	Worker	Scenario 3	6.91E-01	1.63E-03	1.42E-02
4280	640761.0	4167573.7	Worker	Scenario 3	7.57E-01	1.80E-03	1.62E-02
4281	640811.0	4167573.7	Worker	Scenario 3	8.34E-01	2.00E-03	1.76E-02
4282	643311.0	4167573.7	Worker	Scenario 3	5.04E+00	1.04E-02	4.86E-03
4283	643361.0	4167573.7	Worker	Scenario 3	4.35E+00	9.05E-03	4.63E-03
4284	643411.0	4167573.7	Worker	Scenario 3	3.78E+00	7.89E-03	4.42E-03
4285	643461.0	4167573.7	Worker	Scenario 3	3.32E+00	6.94E-03	4.26E-03
4286	643511.0	4167573.7	Worker	Scenario 3	2.94E+00	6.16E-03	4.16E-03
4287	643561.0	4167573.7	Worker	Scenario 3	2.63E+00	5.53E-03	4.06E-03
4288	643611.0	4167573.7	Worker	Scenario 3	2.37E+00	5.00E-03	3.95E-03
4289	643661.0	4167573.7	Worker	Scenario 3	2.16E+00	4.57E-03	3.84E-03
4290	643711.0	4167573.7	Worker	Scenario 3	1.98E+00	4.20E-03	3.74E-03
4291	643761.0	4167573.7	Worker	Scenario 3	1.83E+00	3.89E-03	3.63E-03
4292	643811.0	4167573.7	Worker	Scenario 3	1.70E+00	3.63E-03	3.53E-03
4293	643861.0	4167573.7	Worker	Scenario 3	1.59E+00	3.39E-03	3.43E-03
4294	643911.0	4167573.7	Worker	Scenario 3	1.49E+00	3.19E-03	3.35E-03
4295	643961.0	4167573.7	Worker	Scenario 3	1.40E+00	3.00E-03	3.28E-03
4296	644011.0	4167573.7	Worker	Scenario 3	1.32E+00	2.84E-03	3.21E-03
4297	644061.0	4167573.7	Worker	Scenario 3	1.25E+00	2.69E-03	3.13E-03
4298	644111.0	4167573.7	Worker	Scenario 3	1.19E+00	2.56E-03	3.06E-03
4299	644161.0	4167573.7	Worker	Scenario 3	1.13E+00	2.43E-03	2.98E-03
4300	644211.0	4167573.7	Worker	Scenario 3	1.08E+00	2.32E-03	2.91E-03
4301	644261.0	4167573.7	Worker	Scenario 3	1.03E+00	2.22E-03	2.84E-03
4302	644311.0	4167573.7	Worker	Scenario 3	9.86E-01	2.13E-03	2.77E-03
4303	644361.0	4167573.7	Worker	Scenario 3	9.45E-01	2.05E-03	2.70E-03
4304	640261.0	4167623.7	Worker	Scenario 3	3.78E-01	8.66E-04	6.71E-03
4305	640311.0	4167623.7	Worker	Scenario 3	4.12E-01	9.41E-04	6.73E-03
4306	640361.0	4167623.7	Worker	Scenario 3	4.51E-01	1.03E-03	6.66E-03
4307	640411.0	4167623.7	Worker	Scenario 3	4.84E-01	1.11E-03	6.79E-03
4308	640461.0	4167623.7	Worker	Scenario 3	5.25E-01	1.20E-03	8.15E-03
4309	640511.0	4167623.7	Worker	Scenario 3	5.72E-01	1.31E-03	9.61E-03
4310	640561.0	4167623.7	Worker	Scenario 3	6.21E-01	1.43E-03	1.11E-02
4311	640611.0	4167623.7	Worker	Scenario 3	6.73E-01	1.55E-03	1.24E-02
4312	640661.0	4167623.7	Worker	Scenario 3	7.33E-01	1.70E-03	1.33E-02
4313	643261.0	4167623.7	Worker	Scenario 3	2.71E+00	5.74E-03	5.08E-03
4314	643311.0	4167623.7	Worker	Scenario 3	2.87E+00	6.05E-03	4.89E-03
4315	643361.0	4167623.7	Worker	Scenario 3	2.84E+00	5.98E-03	4.70E-03
4316	643411.0	4167623.7	Worker	Scenario 3	2.72E+00	5.72E-03	4.53E-03
4317	644011.0	4167623.7	Worker	Scenario 3	1.26E+00	2.70E-03	3.13E-03
4318	644061.0	4167623.7	Worker	Scenario 3	1.20E+00	2.57E-03	3.06E-03
4319	644111.0	4167623.7	Worker	Scenario 3	1.14E+00	2.45E-03	2.99E-03
4320	644161.0	4167623.7	Worker	Scenario 3	1.09E+00	2.34E-03	2.92E-03
4321	644211.0	4167623.7	Worker	Scenario 3	1.04E+00	2.24E-03	2.85E-03
4322	640211.0	4167673.7	Worker	Scenario 3	3.84E-01	8.72E-04	5.10E-03
4323	640261.0	4167673.7	Worker	Scenario 3	4.19E-01	9.49E-04	5.90E-03
4324	640311.0	4167673.7	Worker	Scenario 3	4.51E-01	1.02E-03	6.92E-03
4325	640361.0	4167673.7	Worker	Scenario 3	5.02E-01	1.13E-03	7.95E-03
4326	640411.0	4167673.7	Worker	Scenario 3	5.50E-01	1.24E-03	8.97E-03
4327	640461.0	4167673.7	Worker	Scenario 3	6.02E-01	1.36E-03	9.88E-03
4328	640511.0	4167673.7	Worker	Scenario 3	6.62E-01	1.50E-03	1.05E-02
4329	643211.0	4167673.7	Worker	Scenario 3	1.60E+00	3.49E-03	5.25E-03
4330	643261.0	4167673.7	Worker	Scenario 3	1.66E+00	3.59E-03	5.03E-03
4331	643311.0	4167673.7	Worker	Scenario 3	1.78E+00	3.82E-03	4.84E-03
4332	643361.0	4167673.7	Worker	Scenario 3	1.87E+00	4.00E-03	4.69E-03
4333	640111.0	4167723.7	Worker	Scenario 3	3.58E-01	8.08E-04	5.18E-03
4334	640161.0	4167723.7	Worker	Scenario 3	3.92E-01	8.82E-04	5.95E-03
4335	640211.0	4167723.7	Worker	Scenario 3	4.30E-01	9.66E-04	6.74E-03
4336	640261.0	4167723.7	Worker	Scenario 3	4.75E-01	1.06E-03	7.48E-03
4337	640311.0	4167723.7	Worker	Scenario 3	5.24E-01	1.17E-03	8.14E-03
4338	640361.0	4167723.7	Worker	Scenario 3	5.74E-01	1.28E-03	8.65E-03
4339	643161.0	4167723.7	Worker	Scenario 3	1.52E+00	3.31E-03	5.24E-03
4340	643211.0	4167723.7	Worker	Scenario 3	1.38E+00	3.03E-03	5.14E-03
4341	643261.0	4167723.7	Worker	Scenario 3	1.33E+00	2.91E-03	5.00E-03
4342	643311.0	4167723.7	Worker	Scenario 3	1.34E+00	2.92E-03	4.82E-03
4343	640011.0	4167773.7	Worker	Scenario 3	3.27E-01	7.36E-04	5.20E-03
4344	640061.0	4167773.7	Worker	Scenario 3	3.60E-01	8.08E-04	5.80E-03
4345	640111.0	4167773.7	Worker	Scenario 3	3.99E-01	8.91E-04	6.38E-03
4346	640161.0	4167773.7	Worker	Scenario 3	4.41E-01	9.83E-04	6.88E-03
4347	640211.0	4167773.7	Worker	Scenario 3	4.91E-01	1.09E-03	7.26E-03
4348	640261.0	4167773.7	Worker	Scenario 3	5.53E-01	1.22E-03	7.47E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4349	643161.0	4167773.7	Worker	Scenario 3	1.38E+00	3.01E-03	5.30E-03
4350	643211.0	4167773.7	Worker	Scenario 3	1.26E+00	2.77E-03	5.14E-03
4351	643261.0	4167773.7	Worker	Scenario 3	1.19E+00	2.62E-03	4.94E-03
4352	639961.0	4167823.7	Worker	Scenario 3	3.30E-01	7.38E-04	5.52E-03
4353	640011.0	4167823.7	Worker	Scenario 3	3.63E-01	8.09E-04	5.92E-03
4354	640061.0	4167823.7	Worker	Scenario 3	4.04E-01	8.98E-04	6.23E-03
4355	640111.0	4167823.7	Worker	Scenario 3	4.52E-01	1.00E-03	6.41E-03
4356	640161.0	4167823.7	Worker	Scenario 3	5.11E-01	1.13E-03	6.57E-03
4357	643111.0	4167823.7	Worker	Scenario 3	1.41E+00	3.06E-03	5.45E-03
4358	643161.0	4167823.7	Worker	Scenario 3	1.28E+00	2.79E-03	5.27E-03
4359	643211.0	4167823.7	Worker	Scenario 3	1.18E+00	2.59E-03	5.06E-03
4360	643261.0	4167823.7	Worker	Scenario 3	1.11E+00	2.44E-03	4.89E-03
4361	639861.0	4167873.7	Worker	Scenario 3	3.05E-01	6.81E-04	5.16E-03
4362	639911.0	4167873.7	Worker	Scenario 3	3.34E-01	7.43E-04	5.41E-03
4363	639961.0	4167873.7	Worker	Scenario 3	3.73E-01	8.26E-04	5.57E-03
4364	640011.0	4167873.7	Worker	Scenario 3	4.13E-01	9.11E-04	5.64E-03
4365	640061.0	4167873.7	Worker	Scenario 3	4.64E-01	1.02E-03	5.97E-03
4366	643061.0	4167873.7	Worker	Scenario 3	1.40E+00	3.04E-03	5.61E-03
4367	643111.0	4167873.7	Worker	Scenario 3	1.31E+00	2.83E-03	5.31E-03
4368	643161.0	4167873.7	Worker	Scenario 3	1.20E+00	2.62E-03	5.12E-03
4369	643211.0	4167873.7	Worker	Scenario 3	1.12E+00	2.45E-03	5.01E-03
4370	639811.0	4167923.7	Worker	Scenario 3	3.07E-01	6.82E-04	4.90E-03
4371	639861.0	4167923.7	Worker	Scenario 3	3.37E-01	7.46E-04	4.95E-03
4372	639911.0	4167923.7	Worker	Scenario 3	3.77E-01	8.32E-04	5.17E-03
4373	639961.0	4167923.7	Worker	Scenario 3	4.23E-01	9.28E-04	5.46E-03
4374	640011.0	4167923.7	Worker	Scenario 3	4.79E-01	1.05E-03	5.77E-03
4375	643011.0	4167923.7	Worker	Scenario 3	1.38E+00	2.98E-03	5.75E-03
4376	643061.0	4167923.7	Worker	Scenario 3	1.30E+00	2.82E-03	5.44E-03
4377	643111.0	4167923.7	Worker	Scenario 3	1.22E+00	2.65E-03	5.23E-03
4378	643161.0	4167923.7	Worker	Scenario 3	1.14E+00	2.49E-03	5.13E-03
4379	639711.0	4167973.7	Worker	Scenario 3	2.85E-01	6.33E-04	4.41E-03
4380	639761.0	4167973.7	Worker	Scenario 3	3.20E-01	7.06E-04	4.53E-03
4381	639811.0	4167973.7	Worker	Scenario 3	3.38E-01	7.45E-04	4.75E-03
4382	639861.0	4167973.7	Worker	Scenario 3	3.81E-01	8.36E-04	5.03E-03
4383	639911.0	4167973.7	Worker	Scenario 3	4.30E-01	9.39E-04	5.24E-03
4384	642911.0	4167973.7	Worker	Scenario 3	1.41E+00	3.04E-03	6.11E-03
4385	642961.0	4167973.7	Worker	Scenario 3	1.35E+00	2.91E-03	5.87E-03
4386	643011.0	4167973.7	Worker	Scenario 3	1.28E+00	2.78E-03	5.61E-03
4387	643061.0	4167973.7	Worker	Scenario 3	1.22E+00	2.64E-03	5.44E-03
4388	643111.0	4167973.7	Worker	Scenario 3	1.16E+00	2.51E-03	5.23E-03
4389	639661.0	4168023.7	Worker	Scenario 3	2.85E-01	6.30E-04	4.21E-03
4390	639711.0	4168023.7	Worker	Scenario 3	3.18E-01	7.00E-04	4.41E-03
4391	639761.0	4168023.7	Worker	Scenario 3	3.48E-01	7.64E-04	4.63E-03
4392	639811.0	4168023.7	Worker	Scenario 3	3.89E-01	8.49E-04	4.75E-03
4393	642861.0	4168023.7	Worker	Scenario 3	1.38E+00	2.96E-03	6.30E-03
4394	642911.0	4168023.7	Worker	Scenario 3	1.32E+00	2.85E-03	5.93E-03
4395	642961.0	4168023.7	Worker	Scenario 3	1.27E+00	2.74E-03	5.75E-03
4396	643011.0	4168023.7	Worker	Scenario 3	1.21E+00	2.62E-03	5.55E-03
4397	643061.0	4168023.7	Worker	Scenario 3	1.16E+00	2.50E-03	5.32E-03
4398	639561.0	4168073.7	Worker	Scenario 3	2.60E-01	5.75E-04	3.90E-03
4399	639611.0	4168073.7	Worker	Scenario 3	2.84E-01	6.26E-04	4.11E-03
4400	639661.0	4168073.7	Worker	Scenario 3	3.14E-01	6.90E-04	4.26E-03
4401	639711.0	4168073.7	Worker	Scenario 3	3.47E-01	7.58E-04	4.33E-03
4402	639761.0	4168073.7	Worker	Scenario 3	3.90E-01	8.49E-04	4.30E-03
4403	642761.0	4168073.7	Worker	Scenario 3	1.39E+00	2.99E-03	6.82E-03
4404	642811.0	4168073.7	Worker	Scenario 3	1.35E+00	2.90E-03	6.70E-03
4405	642861.0	4168073.7	Worker	Scenario 3	1.30E+00	2.80E-03	6.67E-03
4406	642911.0	4168073.7	Worker	Scenario 3	1.25E+00	2.70E-03	6.39E-03
4407	642961.0	4168073.7	Worker	Scenario 3	1.20E+00	2.59E-03	5.93E-03
4408	639561.0	4168123.7	Worker	Scenario 3	2.81E-01	6.19E-04	3.92E-03
4409	639611.0	4168123.7	Worker	Scenario 3	3.10E-01	6.79E-04	3.95E-03
4410	639661.0	4168123.7	Worker	Scenario 3	3.47E-01	7.56E-04	3.90E-03
4411	642661.0	4168123.7	Worker	Scenario 3	1.42E+00	3.04E-03	7.53E-03
4412	642711.0	4168123.7	Worker	Scenario 3	1.37E+00	2.95E-03	7.25E-03
4413	642761.0	4168123.7	Worker	Scenario 3	1.33E+00	2.86E-03	6.98E-03
4414	642811.0	4168123.7	Worker	Scenario 3	1.29E+00	2.76E-03	6.68E-03
4415	642861.0	4168123.7	Worker	Scenario 3	1.24E+00	2.67E-03	6.19E-03
4416	642911.0	4168123.7	Worker	Scenario 3	1.20E+00	2.57E-03	6.36E-03
4417	639511.0	4168173.7	Worker	Scenario 3	2.79E-01	6.13E-04	3.60E-03
4418	639561.0	4168173.7	Worker	Scenario 3	3.07E-01	6.71E-04	3.57E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
4419	642611.0	4168173.7	Worker	Scenario 3	1.42E+00	3.04E-03	7.78E-03
4420	642661.0	4168173.7	Worker	Scenario 3	1.37E+00	2.93E-03	7.41E-03
4421	642711.0	4168173.7	Worker	Scenario 3	1.32E+00	2.84E-03	7.11E-03
4422	642761.0	4168173.7	Worker	Scenario 3	1.28E+00	2.74E-03	6.84E-03
4423	642811.0	4168173.7	Worker	Scenario 3	1.23E+00	2.65E-03	6.59E-03
4424	639311.0	4168223.7	Worker	Scenario 3	2.21E-01	4.87E-04	3.30E-03
4425	639361.0	4168223.7	Worker	Scenario 3	2.38E-01	5.23E-04	3.33E-03
4426	639411.0	4168223.7	Worker	Scenario 3	2.58E-01	5.65E-04	3.30E-03
4427	639461.0	4168223.7	Worker	Scenario 3	2.79E-01	6.12E-04	3.29E-03
4428	639511.0	4168223.7	Worker	Scenario 3	3.05E-01	6.65E-04	3.39E-03
4429	642511.0	4168223.7	Worker	Scenario 3	1.50E+00	3.21E-03	7.95E-03
4430	642561.0	4168223.7	Worker	Scenario 3	1.43E+00	3.07E-03	7.54E-03
4431	642611.0	4168223.7	Worker	Scenario 3	1.38E+00	2.95E-03	7.44E-03
4432	642661.0	4168223.7	Worker	Scenario 3	1.32E+00	2.84E-03	7.19E-03
4433	642711.0	4168223.7	Worker	Scenario 3	1.28E+00	2.74E-03	6.98E-03
4434	642761.0	4168223.7	Worker	Scenario 3	1.23E+00	2.64E-03	6.61E-03
4435	639261.0	4168273.7	Worker	Scenario 3	2.23E-01	4.91E-04	3.07E-03
4436	639311.0	4168273.7	Worker	Scenario 3	2.40E-01	5.26E-04	3.04E-03
4437	639361.0	4168273.7	Worker	Scenario 3	2.58E-01	5.65E-04	3.03E-03
4438	639411.0	4168273.7	Worker	Scenario 3	2.81E-01	6.14E-04	3.19E-03
4439	642461.0	4168273.7	Worker	Scenario 3	1.53E+00	3.27E-03	8.28E-03
4440	642511.0	4168273.7	Worker	Scenario 3	1.45E+00	3.11E-03	7.83E-03
4441	642561.0	4168273.7	Worker	Scenario 3	1.39E+00	2.98E-03	7.35E-03
4442	642611.0	4168273.7	Worker	Scenario 3	1.33E+00	2.85E-03	7.13E-03
4443	642661.0	4168273.7	Worker	Scenario 3	1.28E+00	2.74E-03	6.94E-03
4444	639211.0	4168323.7	Worker	Scenario 3	2.27E-01	4.96E-04	2.82E-03
4445	639261.0	4168323.7	Worker	Scenario 3	2.43E-01	5.30E-04	2.82E-03
4446	639311.0	4168323.7	Worker	Scenario 3	2.63E-01	5.72E-04	3.01E-03
4447	639361.0	4168323.7	Worker	Scenario 3	2.85E-01	6.19E-04	3.23E-03
4448	642461.0	4168323.7	Worker	Scenario 3	1.48E+00	3.16E-03	7.76E-03
4449	642511.0	4168323.7	Worker	Scenario 3	1.41E+00	3.01E-03	7.69E-03
4450	642561.0	4168323.7	Worker	Scenario 3	1.35E+00	2.88E-03	7.35E-03
4451	642611.0	4168323.7	Worker	Scenario 3	1.29E+00	2.76E-03	6.79E-03
4452	639111.0	4168373.7	Worker	Scenario 3	2.15E-01	4.70E-04	2.62E-03
4453	639161.0	4168373.7	Worker	Scenario 3	2.31E-01	5.04E-04	2.63E-03
4454	639211.0	4168373.7	Worker	Scenario 3	2.48E-01	5.39E-04	2.84E-03
4455	639261.0	4168373.7	Worker	Scenario 3	2.67E-01	5.81E-04	3.03E-03
4456	642361.0	4168373.7	Worker	Scenario 3	1.61E+00	3.41E-03	7.72E-03
4457	642411.0	4168373.7	Worker	Scenario 3	1.51E+00	3.21E-03	7.73E-03
4458	642461.0	4168373.7	Worker	Scenario 3	1.43E+00	3.05E-03	7.45E-03
4459	642511.0	4168373.7	Worker	Scenario 3	1.36E+00	2.90E-03	7.23E-03
4460	642561.0	4168373.7	Worker	Scenario 3	1.30E+00	2.77E-03	7.17E-03
4461	639061.0	4168423.7	Worker	Scenario 3	2.18E-01	4.76E-04	2.48E-03
4462	639111.0	4168423.7	Worker	Scenario 3	2.34E-01	5.10E-04	2.68E-03
4463	639161.0	4168423.7	Worker	Scenario 3	2.54E-01	5.50E-04	2.86E-03
4464	642261.0	4168423.7	Worker	Scenario 3	1.75E+00	3.71E-03	8.18E-03
4465	642311.0	4168423.7	Worker	Scenario 3	1.63E+00	3.46E-03	7.95E-03
4466	642361.0	4168423.7	Worker	Scenario 3	1.53E+00	3.25E-03	7.95E-03
4467	642411.0	4168423.7	Worker	Scenario 3	1.44E+00	3.07E-03	7.14E-03
4468	642461.0	4168423.7	Worker	Scenario 3	1.37E+00	2.92E-03	7.19E-03
4469	642511.0	4168423.7	Worker	Scenario 3	1.30E+00	2.78E-03	6.97E-03
4470	639011.0	4168473.7	Worker	Scenario 3	2.22E-01	4.83E-04	2.54E-03
4471	639061.0	4168473.7	Worker	Scenario 3	2.40E-01	5.20E-04	2.70E-03
4472	639111.0	4168473.7	Worker	Scenario 3	2.60E-01	5.61E-04	2.81E-03
4473	642161.0	4168473.7	Worker	Scenario 3	1.92E+00	4.04E-03	8.27E-03
4474	642211.0	4168473.7	Worker	Scenario 3	1.76E+00	3.73E-03	7.83E-03
4475	642261.0	4168473.7	Worker	Scenario 3	1.64E+00	3.48E-03	7.83E-03
4476	642311.0	4168473.7	Worker	Scenario 3	1.54E+00	3.27E-03	7.57E-03
4477	642361.0	4168473.7	Worker	Scenario 3	1.45E+00	3.08E-03	7.47E-03
4478	642411.0	4168473.7	Worker	Scenario 3	1.37E+00	2.92E-03	7.36E-03
4479	642461.0	4168473.7	Worker	Scenario 3	1.30E+00	2.77E-03	6.73E-03
4480	638911.0	4168523.7	Worker	Scenario 3	2.10E-01	4.56E-04	2.41E-03
4481	638961.0	4168523.7	Worker	Scenario 3	2.28E-01	4.93E-04	2.55E-03
4482	639011.0	4168523.7	Worker	Scenario 3	2.48E-01	5.35E-04	2.65E-03
4483	642061.0	4168523.7	Worker	Scenario 3	2.07E+00	4.34E-03	8.30E-03
4484	642111.0	4168523.7	Worker	Scenario 3	1.90E+00	3.99E-03	8.13E-03
4485	642161.0	4168523.7	Worker	Scenario 3	1.75E+00	3.69E-03	7.92E-03
4486	642211.0	4168523.7	Worker	Scenario 3	1.63E+00	3.44E-03	7.71E-03
4487	642261.0	4168523.7	Worker	Scenario 3	1.52E+00	3.23E-03	7.48E-03
4488	642311.0	4168523.7	Worker	Scenario 3	1.43E+00	3.05E-03	7.29E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4489	642361.0	4168523.7	Worker	Scenario 3	1.36E+00	2.89E-03	7.11E-03
4490	638861.0	4168573.7	Worker	Scenario 3	2.12E-01	4.60E-04	2.42E-03
4491	638911.0	4168573.7	Worker	Scenario 3	2.32E-01	5.01E-04	2.51E-03
4492	638961.0	4168573.7	Worker	Scenario 3	2.56E-01	5.51E-04	2.56E-03
4493	641911.0	4168573.7	Worker	Scenario 3	2.30E+00	4.80E-03	8.84E-03
4494	641961.0	4168573.7	Worker	Scenario 3	2.11E+00	4.41E-03	7.79E-03
4495	642011.0	4168573.7	Worker	Scenario 3	1.95E+00	4.08E-03	8.04E-03
4496	642061.0	4168573.7	Worker	Scenario 3	1.81E+00	3.80E-03	7.91E-03
4497	642111.0	4168573.7	Worker	Scenario 3	1.68E+00	3.55E-03	7.71E-03
4498	642161.0	4168573.7	Worker	Scenario 3	1.57E+00	3.33E-03	7.39E-03
4499	642211.0	4168573.7	Worker	Scenario 3	1.48E+00	3.14E-03	7.39E-03
4500	642261.0	4168573.7	Worker	Scenario 3	1.40E+00	2.97E-03	7.12E-03
4501	638811.0	4168623.7	Worker	Scenario 3	2.20E-01	4.74E-04	2.38E-03
4502	638861.0	4168623.7	Worker	Scenario 3	2.37E-01	5.10E-04	2.42E-03
4503	641811.0	4168623.7	Worker	Scenario 3	2.24E+00	4.68E-03	1.15E-02
4504	641861.0	4168623.7	Worker	Scenario 3	2.06E+00	4.33E-03	1.16E-02
4505	641911.0	4168623.7	Worker	Scenario 3	1.91E+00	4.02E-03	9.39E-03
4506	641961.0	4168623.7	Worker	Scenario 3	1.79E+00	3.75E-03	7.20E-03
4507	642011.0	4168623.7	Worker	Scenario 3	1.67E+00	3.52E-03	7.74E-03
4508	642061.0	4168623.7	Worker	Scenario 3	1.58E+00	3.33E-03	7.58E-03
4509	642111.0	4168623.7	Worker	Scenario 3	1.49E+00	3.15E-03	7.40E-03
4510	638711.0	4168673.7	Worker	Scenario 3	2.12E-01	4.56E-04	2.25E-03
4511	638761.0	4168673.7	Worker	Scenario 3	2.28E-01	4.90E-04	2.29E-03
4512	638811.0	4168673.7	Worker	Scenario 3	2.48E-01	5.32E-04	2.34E-03
4513	641661.0	4168673.7	Worker	Scenario 3	2.23E+00	4.66E-03	7.85E-03
4514	641711.0	4168673.7	Worker	Scenario 3	2.11E+00	4.42E-03	8.09E-03
4515	641761.0	4168673.7	Worker	Scenario 3	1.99E+00	4.17E-03	8.36E-03
4516	641811.0	4168673.7	Worker	Scenario 3	1.86E+00	3.91E-03	1.07E-02
4517	641861.0	4168673.7	Worker	Scenario 3	1.75E+00	3.68E-03	1.14E-02
4518	641911.0	4168673.7	Worker	Scenario 3	1.64E+00	3.46E-03	9.92E-03
4519	641961.0	4168673.7	Worker	Scenario 3	1.55E+00	3.26E-03	7.50E-03
4520	642011.0	4168673.7	Worker	Scenario 3	1.46E+00	3.09E-03	7.15E-03
4521	638661.0	4168723.7	Worker	Scenario 3	2.17E-01	4.67E-04	2.18E-03
4522	638711.0	4168723.7	Worker	Scenario 3	2.37E-01	5.07E-04	2.22E-03
4523	641511.0	4168723.7	Worker	Scenario 3	2.12E+00	4.44E-03	7.87E-03
4524	641561.0	4168723.7	Worker	Scenario 3	2.02E+00	4.24E-03	7.84E-03
4525	641611.0	4168723.7	Worker	Scenario 3	1.94E+00	4.07E-03	7.81E-03
4526	641661.0	4168723.7	Worker	Scenario 3	1.85E+00	3.89E-03	7.60E-03
4527	641711.0	4168723.7	Worker	Scenario 3	1.77E+00	3.72E-03	7.71E-03
4528	641761.0	4168723.7	Worker	Scenario 3	1.68E+00	3.54E-03	7.85E-03
4529	641811.0	4168723.7	Worker	Scenario 3	1.59E+00	3.36E-03	9.82E-03
4530	641861.0	4168723.7	Worker	Scenario 3	1.51E+00	3.20E-03	1.11E-02
4531	641911.0	4168723.7	Worker	Scenario 3	1.44E+00	3.04E-03	1.03E-02
4532	638561.0	4168773.7	Worker	Scenario 3	2.05E-01	4.40E-04	2.07E-03
4533	638611.0	4168773.7	Worker	Scenario 3	2.22E-01	4.75E-04	2.11E-03
4534	638661.0	4168773.7	Worker	Scenario 3	2.44E-01	5.20E-04	2.16E-03
4535	641461.0	4168773.7	Worker	Scenario 3	1.93E+00	4.05E-03	7.51E-03
4536	641511.0	4168773.7	Worker	Scenario 3	1.82E+00	3.83E-03	7.48E-03
4537	641561.0	4168773.7	Worker	Scenario 3	1.74E+00	3.66E-03	7.44E-03
4538	641611.0	4168773.7	Worker	Scenario 3	1.67E+00	3.51E-03	7.40E-03
4539	641661.0	4168773.7	Worker	Scenario 3	1.60E+00	3.37E-03	7.33E-03
4540	641711.0	4168773.7	Worker	Scenario 3	1.53E+00	3.24E-03	7.29E-03
4541	641761.0	4168773.7	Worker	Scenario 3	1.46E+00	3.10E-03	7.34E-03
4542	638511.0	4168823.7	Worker	Scenario 3	2.07E-01	4.44E-04	2.01E-03
4543	638561.0	4168823.7	Worker	Scenario 3	2.26E-01	4.83E-04	2.06E-03
4544	641461.0	4168823.7	Worker	Scenario 3	1.71E+00	3.58E-03	7.16E-03
4545	641511.0	4168823.7	Worker	Scenario 3	1.61E+00	3.38E-03	7.12E-03
4546	641561.0	4168823.7	Worker	Scenario 3	1.53E+00	3.23E-03	7.08E-03
4547	641611.0	4168823.7	Worker	Scenario 3	1.47E+00	3.10E-03	7.06E-03
4548	638461.0	4168873.7	Worker	Scenario 3	1.99E-01	4.27E-04	1.96E-03
4549	638511.0	4168873.7	Worker	Scenario 3	2.25E-01	4.79E-04	1.98E-03
4550	640211.0	4168873.7	Worker	Scenario 3	8.01E-01	1.70E-03	4.19E-03
4551	641461.0	4168873.7	Worker	Scenario 3	1.54E+00	3.23E-03	6.83E-03
4552	641511.0	4168873.7	Worker	Scenario 3	1.44E+00	3.04E-03	6.78E-03
4553	641561.0	4168873.7	Worker	Scenario 3	1.37E+00	2.90E-03	6.78E-03
4554	638361.0	4168923.7	Worker	Scenario 3	1.72E-01	3.71E-04	1.88E-03
4555	638411.0	4168923.7	Worker	Scenario 3	1.92E-01	4.12E-04	1.89E-03
4556	638461.0	4168923.7	Worker	Scenario 3	2.18E-01	4.66E-04	1.88E-03
4557	640111.0	4168923.7	Worker	Scenario 3	7.81E-01	1.66E-03	3.88E-03
4558	640161.0	4168923.7	Worker	Scenario 3	7.67E-01	1.63E-03	3.97E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4559	640211.0	4168923.7	Worker	Scenario 3	7.60E-01	1.62E-03	4.04E-03
4560	640261.0	4168923.7	Worker	Scenario 3	7.57E-01	1.62E-03	4.16E-03
4561	640311.0	4168923.7	Worker	Scenario 3	7.60E-01	1.62E-03	4.26E-03
4562	640361.0	4168923.7	Worker	Scenario 3	7.66E-01	1.64E-03	4.34E-03
4563	641461.0	4168923.7	Worker	Scenario 3	1.40E+00	2.96E-03	6.53E-03
4564	641511.0	4168923.7	Worker	Scenario 3	1.31E+00	2.77E-03	6.48E-03
4565	641561.0	4168923.7	Worker	Scenario 3	1.25E+00	2.64E-03	6.50E-03
4566	638311.0	4168973.7	Worker	Scenario 3	1.70E-01	3.67E-04	1.81E-03
4567	638361.0	4168973.7	Worker	Scenario 3	1.89E-01	4.06E-04	1.81E-03
4568	638411.0	4168973.7	Worker	Scenario 3	2.14E-01	4.57E-04	1.77E-03
4569	640061.0	4168973.7	Worker	Scenario 3	7.56E-01	1.60E-03	3.68E-03
4570	640111.0	4168973.7	Worker	Scenario 3	7.40E-01	1.57E-03	3.81E-03
4571	640161.0	4168973.7	Worker	Scenario 3	7.30E-01	1.55E-03	3.88E-03
4572	640211.0	4168973.7	Worker	Scenario 3	7.25E-01	1.55E-03	3.93E-03
4573	640261.0	4168973.7	Worker	Scenario 3	7.24E-01	1.55E-03	4.03E-03
4574	640311.0	4168973.7	Worker	Scenario 3	7.27E-01	1.56E-03	4.12E-03
4575	640361.0	4168973.7	Worker	Scenario 3	7.34E-01	1.57E-03	4.09E-03
4576	640411.0	4168973.7	Worker	Scenario 3	7.44E-01	1.59E-03	4.28E-03
4577	641461.0	4168973.7	Worker	Scenario 3	1.30E+00	2.74E-03	6.26E-03
4578	641511.0	4168973.7	Worker	Scenario 3	1.21E+00	2.56E-03	6.21E-03
4579	641561.0	4168973.7	Worker	Scenario 3	1.15E+00	2.43E-03	6.22E-03
4580	638261.0	4169023.7	Worker	Scenario 3	1.69E-01	3.64E-04	1.73E-03
4581	638311.0	4169023.7	Worker	Scenario 3	1.87E-01	4.01E-04	1.70E-03
4582	638361.0	4169023.7	Worker	Scenario 3	2.11E-01	4.50E-04	1.65E-03
4583	640011.0	4169023.7	Worker	Scenario 3	7.34E-01	1.55E-03	3.49E-03
4584	640061.0	4169023.7	Worker	Scenario 3	7.17E-01	1.52E-03	3.65E-03
4585	640111.0	4169023.7	Worker	Scenario 3	7.05E-01	1.50E-03	3.72E-03
4586	640161.0	4169023.7	Worker	Scenario 3	6.97E-01	1.49E-03	3.76E-03
4587	640311.0	4169023.7	Worker	Scenario 3	6.97E-01	1.49E-03	3.98E-03
4588	640361.0	4169023.7	Worker	Scenario 3	7.04E-01	1.51E-03	4.07E-03
4589	640411.0	4169023.7	Worker	Scenario 3	7.13E-01	1.53E-03	4.11E-03
4590	641461.0	4169023.7	Worker	Scenario 3	1.21E+00	2.55E-03	5.98E-03
4591	641511.0	4169023.7	Worker	Scenario 3	1.12E+00	2.37E-03	5.93E-03
4592	641561.0	4169023.7	Worker	Scenario 3	1.06E+00	2.25E-03	5.95E-03
4593	638161.0	4169073.7	Worker	Scenario 3	1.53E-01	3.30E-04	1.66E-03
4594	638211.0	4169073.7	Worker	Scenario 3	1.68E-01	3.61E-04	1.64E-03
4595	638261.0	4169073.7	Worker	Scenario 3	1.85E-01	3.97E-04	1.59E-03
4596	639961.0	4169073.7	Worker	Scenario 3	7.12E-01	1.51E-03	3.30E-03
4597	640011.0	4169073.7	Worker	Scenario 3	6.94E-01	1.47E-03	3.50E-03
4598	640061.0	4169073.7	Worker	Scenario 3	6.82E-01	1.45E-03	3.56E-03
4599	640111.0	4169073.7	Worker	Scenario 3	6.73E-01	1.43E-03	3.60E-03
4600	640311.0	4169073.7	Worker	Scenario 3	6.69E-01	1.43E-03	3.82E-03
4601	640361.0	4169073.7	Worker	Scenario 3	6.75E-01	1.45E-03	3.94E-03
4602	640411.0	4169073.7	Worker	Scenario 3	6.84E-01	1.47E-03	3.96E-03
4603	641461.0	4169073.7	Worker	Scenario 3	1.14E+00	2.40E-03	5.73E-03
4604	641511.0	4169073.7	Worker	Scenario 3	1.05E+00	2.23E-03	5.71E-03
4605	641561.0	4169073.7	Worker	Scenario 3	9.94E-01	2.11E-03	5.73E-03
4606	638161.0	4169123.7	Worker	Scenario 3	1.61E-01	3.46E-04	1.53E-03
4607	638211.0	4169123.7	Worker	Scenario 3	1.79E-01	3.84E-04	1.48E-03
4608	639911.0	4169123.7	Worker	Scenario 3	6.92E-01	1.46E-03	3.13E-03
4609	639961.0	4169123.7	Worker	Scenario 3	6.74E-01	1.43E-03	3.34E-03
4610	640011.0	4169123.7	Worker	Scenario 3	6.60E-01	1.40E-03	3.40E-03
4611	640061.0	4169123.7	Worker	Scenario 3	6.51E-01	1.38E-03	3.44E-03
4612	640311.0	4169123.7	Worker	Scenario 3	6.43E-01	1.38E-03	3.78E-03
4613	640361.0	4169123.7	Worker	Scenario 3	6.48E-01	1.39E-03	3.80E-03
4614	640411.0	4169123.7	Worker	Scenario 3	6.55E-01	1.41E-03	4.06E-03
4615	641461.0	4169123.7	Worker	Scenario 3	1.08E+00	2.27E-03	5.52E-03
4616	641511.0	4169123.7	Worker	Scenario 3	9.91E-01	2.10E-03	5.50E-03
4617	641561.0	4169123.7	Worker	Scenario 3	9.35E-01	1.99E-03	5.50E-03
4618	638061.0	4169173.7	Worker	Scenario 3	1.41E-01	3.05E-04	1.48E-03
4619	638161.0	4169173.7	Worker	Scenario 3	1.71E-01	3.67E-04	1.45E-03
4620	639861.0	4169173.7	Worker	Scenario 3	6.78E-01	1.43E-03	2.97E-03
4621	639911.0	4169173.7	Worker	Scenario 3	6.57E-01	1.39E-03	3.20E-03
4622	639961.0	4169173.7	Worker	Scenario 3	6.42E-01	1.36E-03	3.25E-03
4623	640011.0	4169173.7	Worker	Scenario 3	6.31E-01	1.34E-03	3.28E-03
4624	640311.0	4169173.7	Worker	Scenario 3	6.17E-01	1.32E-03	3.63E-03
4625	640361.0	4169173.7	Worker	Scenario 3	6.22E-01	1.33E-03	3.66E-03
4626	640411.0	4169173.7	Worker	Scenario 3	6.28E-01	1.35E-03	4.25E-03
4627	641461.0	4169173.7	Worker	Scenario 3	1.02E+00	2.16E-03	5.31E-03
4628	641511.0	4169173.7	Worker	Scenario 3	9.39E-01	1.99E-03	5.30E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4629	641561.0	4169173.7	Worker	Scenario 3	8.85E-01	1.88E-03	5.29E-03
4630	638011.0	4169223.7	Worker	Scenario 3	1.36E-01	2.95E-04	1.38E-03
4631	638061.0	4169223.7	Worker	Scenario 3	1.48E-01	3.19E-04	1.36E-03
4632	639661.0	4169223.7	Worker	Scenario 3	7.28E-01	1.52E-03	2.87E-03
4633	639761.0	4169223.7	Worker	Scenario 3	7.18E-01	1.51E-03	2.70E-03
4634	639811.0	4169223.7	Worker	Scenario 3	6.69E-01	1.41E-03	2.82E-03
4635	639861.0	4169223.7	Worker	Scenario 3	6.43E-01	1.36E-03	3.06E-03
4636	639911.0	4169223.7	Worker	Scenario 3	6.26E-01	1.33E-03	3.11E-03
4637	639961.0	4169223.7	Worker	Scenario 3	6.13E-01	1.30E-03	3.17E-03
4638	640311.0	4169223.7	Worker	Scenario 3	5.93E-01	1.27E-03	3.51E-03
4639	640361.0	4169223.7	Worker	Scenario 3	5.97E-01	1.28E-03	3.86E-03
4640	640411.0	4169223.7	Worker	Scenario 3	6.03E-01	1.29E-03	4.27E-03
4641	641461.0	4169223.7	Worker	Scenario 3	9.76E-01	2.06E-03	5.12E-03
4642	641511.0	4169223.7	Worker	Scenario 3	8.94E-01	1.90E-03	5.10E-03
4643	641561.0	4169223.7	Worker	Scenario 3	8.40E-01	1.79E-03	5.09E-03
4644	637961.0	4169273.7	Worker	Scenario 3	1.32E-01	2.87E-04	1.31E-03
4645	638011.0	4169273.7	Worker	Scenario 3	1.43E-01	3.09E-04	1.41E-03
4646	638061.0	4169273.7	Worker	Scenario 3	1.56E-01	3.36E-04	1.52E-03
4647	639611.0	4169273.7	Worker	Scenario 3	6.98E-01	1.46E-03	2.77E-03
4648	639661.0	4169273.7	Worker	Scenario 3	6.83E-01	1.43E-03	2.71E-03
4649	639761.0	4169273.7	Worker	Scenario 3	6.55E-01	1.38E-03	2.68E-03
4650	639811.0	4169273.7	Worker	Scenario 3	6.27E-01	1.32E-03	2.92E-03
4651	639861.0	4169273.7	Worker	Scenario 3	6.09E-01	1.29E-03	3.00E-03
4652	639911.0	4169273.7	Worker	Scenario 3	5.96E-01	1.26E-03	3.06E-03
4653	640311.0	4169273.7	Worker	Scenario 3	5.70E-01	1.22E-03	3.45E-03
4654	640361.0	4169273.7	Worker	Scenario 3	5.74E-01	1.23E-03	3.99E-03
4655	640411.0	4169273.7	Worker	Scenario 3	5.79E-01	1.24E-03	4.15E-03
4656	641461.0	4169273.7	Worker	Scenario 3	9.35E-01	1.98E-03	4.93E-03
4657	641511.0	4169273.7	Worker	Scenario 3	8.53E-01	1.81E-03	4.92E-03
4658	641561.0	4169273.7	Worker	Scenario 3	8.01E-01	1.71E-03	4.89E-03
4659	637911.0	4169323.7	Worker	Scenario 3	1.28E-01	2.78E-04	1.33E-03
4660	637961.0	4169323.7	Worker	Scenario 3	1.38E-01	2.99E-04	1.43E-03
4661	638011.0	4169323.7	Worker	Scenario 3	1.50E-01	3.24E-04	1.53E-03
4662	639611.0	4169323.7	Worker	Scenario 3	6.57E-01	1.38E-03	2.62E-03
4663	639661.0	4169323.7	Worker	Scenario 3	6.39E-01	1.34E-03	2.50E-03
4664	639761.0	4169323.7	Worker	Scenario 3	6.07E-01	1.28E-03	2.80E-03
4665	639811.0	4169323.7	Worker	Scenario 3	5.90E-01	1.25E-03	2.90E-03
4666	640311.0	4169323.7	Worker	Scenario 3	5.49E-01	1.18E-03	3.67E-03
4667	640361.0	4169323.7	Worker	Scenario 3	5.52E-01	1.19E-03	3.99E-03
4668	640411.0	4169323.7	Worker	Scenario 3	5.56E-01	1.20E-03	4.03E-03
4669	641461.0	4169323.7	Worker	Scenario 3	8.98E-01	1.90E-03	4.76E-03
4670	641511.0	4169323.7	Worker	Scenario 3	8.18E-01	1.74E-03	4.75E-03
4671	641561.0	4169323.7	Worker	Scenario 3	7.66E-01	1.63E-03	4.71E-03
4672	637861.0	4169373.7	Worker	Scenario 3	1.24E-01	2.69E-04	1.36E-03
4673	637911.0	4169373.7	Worker	Scenario 3	1.34E-01	2.89E-04	1.45E-03
4674	637961.0	4169373.7	Worker	Scenario 3	1.45E-01	3.13E-04	1.54E-03
4675	639561.0	4169373.7	Worker	Scenario 3	6.42E-01	1.34E-03	2.54E-03
4676	639611.0	4169373.7	Worker	Scenario 3	6.20E-01	1.30E-03	2.41E-03
4677	639661.0	4169373.7	Worker	Scenario 3	6.02E-01	1.27E-03	2.46E-03
4678	640311.0	4169373.7	Worker	Scenario 3	5.28E-01	1.13E-03	3.76E-03
4679	640361.0	4169373.7	Worker	Scenario 3	5.31E-01	1.14E-03	3.85E-03
4680	640411.0	4169373.7	Worker	Scenario 3	5.35E-01	1.15E-03	3.87E-03
4681	641461.0	4169373.7	Worker	Scenario 3	8.65E-01	1.83E-03	4.60E-03
4682	641511.0	4169373.7	Worker	Scenario 3	7.85E-01	1.67E-03	4.59E-03
4683	641561.0	4169373.7	Worker	Scenario 3	7.34E-01	1.56E-03	4.54E-03
4684	637861.0	4169423.7	Worker	Scenario 3	1.29E-01	2.79E-04	1.46E-03
4685	637911.0	4169423.7	Worker	Scenario 3	1.40E-01	3.02E-04	1.53E-03
4686	639511.0	4169423.7	Worker	Scenario 3	6.29E-01	1.32E-03	2.46E-03
4687	639561.0	4169423.7	Worker	Scenario 3	6.06E-01	1.27E-03	2.33E-03
4688	639611.0	4169423.7	Worker	Scenario 3	5.86E-01	1.23E-03	2.37E-03
4689	639661.0	4169423.7	Worker	Scenario 3	5.70E-01	1.20E-03	2.56E-03
4690	640311.0	4169423.7	Worker	Scenario 3	5.08E-01	1.09E-03	3.73E-03
4691	640361.0	4169423.7	Worker	Scenario 3	5.11E-01	1.10E-03	3.76E-03
4692	640411.0	4169423.7	Worker	Scenario 3	5.14E-01	1.11E-03	3.68E-03
4693	640861.0	4169423.7	Worker	Scenario 3	5.63E-01	1.21E-03	4.16E-03
4694	640911.0	4169423.7	Worker	Scenario 3	5.71E-01	1.23E-03	4.26E-03
4695	640961.0	4169423.7	Worker	Scenario 3	5.80E-01	1.25E-03	4.43E-03
4696	641011.0	4169423.7	Worker	Scenario 3	5.90E-01	1.27E-03	4.23E-03
4697	641061.0	4169423.7	Worker	Scenario 3	6.04E-01	1.30E-03	4.27E-03
4698	641461.0	4169423.7	Worker	Scenario 3	8.34E-01	1.76E-03	4.44E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4699	641511.0	4169423.7	Worker	Scenario 3	7.55E-01	1.60E-03	4.44E-03
4700	641561.0	4169423.7	Worker	Scenario 3	7.05E-01	1.50E-03	4.39E-03
4701	637861.0	4169473.7	Worker	Scenario 3	1.35E-01	2.91E-04	1.51E-03
4702	639461.0	4169473.7	Worker	Scenario 3	6.15E-01	1.29E-03	2.39E-03
4703	639511.0	4169473.7	Worker	Scenario 3	5.92E-01	1.24E-03	2.26E-03
4704	639561.0	4169473.7	Worker	Scenario 3	5.72E-01	1.20E-03	2.29E-03
4705	639611.0	4169473.7	Worker	Scenario 3	5.55E-01	1.17E-03	2.45E-03
4706	640311.0	4169473.7	Worker	Scenario 3	4.89E-01	1.05E-03	3.58E-03
4707	640361.0	4169473.7	Worker	Scenario 3	4.92E-01	1.06E-03	3.61E-03
4708	640411.0	4169473.7	Worker	Scenario 3	4.95E-01	1.07E-03	3.70E-03
4709	640811.0	4169473.7	Worker	Scenario 3	5.34E-01	1.15E-03	4.02E-03
4710	640861.0	4169473.7	Worker	Scenario 3	5.40E-01	1.17E-03	4.04E-03
4711	640911.0	4169473.7	Worker	Scenario 3	5.47E-01	1.18E-03	4.22E-03
4712	640961.0	4169473.7	Worker	Scenario 3	5.55E-01	1.20E-03	4.25E-03
4713	641011.0	4169473.7	Worker	Scenario 3	5.66E-01	1.22E-03	4.11E-03
4714	641061.0	4169473.7	Worker	Scenario 3	5.79E-01	1.25E-03	4.13E-03
4715	641111.0	4169473.7	Worker	Scenario 3	5.96E-01	1.28E-03	4.09E-03
4716	641161.0	4169473.7	Worker	Scenario 3	6.21E-01	1.33E-03	4.05E-03
4717	641211.0	4169473.7	Worker	Scenario 3	6.65E-01	1.42E-03	4.01E-03
4718	641361.0	4169473.7	Worker	Scenario 3	1.33E+00	2.76E-03	4.03E-03
4719	641411.0	4169473.7	Worker	Scenario 3	9.51E-01	1.99E-03	4.15E-03
4720	641461.0	4169473.7	Worker	Scenario 3	8.05E-01	1.70E-03	4.30E-03
4721	641511.0	4169473.7	Worker	Scenario 3	7.28E-01	1.54E-03	4.29E-03
4722	639361.0	4169523.7	Worker	Scenario 3	6.25E-01	1.30E-03	2.34E-03
4723	639411.0	4169523.7	Worker	Scenario 3	5.97E-01	1.25E-03	2.31E-03
4724	639461.0	4169523.7	Worker	Scenario 3	5.75E-01	1.20E-03	2.19E-03
4725	639511.0	4169523.7	Worker	Scenario 3	5.56E-01	1.17E-03	2.20E-03
4726	639561.0	4169523.7	Worker	Scenario 3	5.40E-01	1.14E-03	2.35E-03
4727	640311.0	4169523.7	Worker	Scenario 3	4.70E-01	1.01E-03	3.52E-03
4728	640361.0	4169523.7	Worker	Scenario 3	4.73E-01	1.02E-03	3.44E-03
4729	640411.0	4169523.7	Worker	Scenario 3	4.75E-01	1.02E-03	3.60E-03
4730	640461.0	4169523.7	Worker	Scenario 3	4.79E-01	1.03E-03	3.64E-03
4731	640611.0	4169523.7	Worker	Scenario 3	4.91E-01	1.06E-03	3.70E-03
4732	640661.0	4169523.7	Worker	Scenario 3	4.96E-01	1.07E-03	3.52E-03
4733	640711.0	4169523.7	Worker	Scenario 3	5.01E-01	1.08E-03	3.83E-03
4734	640761.0	4169523.7	Worker	Scenario 3	5.07E-01	1.09E-03	3.71E-03
4735	640811.0	4169523.7	Worker	Scenario 3	5.13E-01	1.11E-03	3.89E-03
4736	640861.0	4169523.7	Worker	Scenario 3	5.19E-01	1.12E-03	3.91E-03
4737	640911.0	4169523.7	Worker	Scenario 3	5.25E-01	1.13E-03	4.14E-03
4738	640961.0	4169523.7	Worker	Scenario 3	5.33E-01	1.15E-03	4.06E-03
4739	641011.0	4169523.7	Worker	Scenario 3	5.43E-01	1.17E-03	3.98E-03
4740	641061.0	4169523.7	Worker	Scenario 3	5.56E-01	1.20E-03	3.98E-03
4741	641111.0	4169523.7	Worker	Scenario 3	5.73E-01	1.23E-03	4.00E-03
4742	641161.0	4169523.7	Worker	Scenario 3	6.01E-01	1.29E-03	3.90E-03
4743	641211.0	4169523.7	Worker	Scenario 3	6.44E-01	1.37E-03	3.95E-03
4744	641261.0	4169523.7	Worker	Scenario 3	7.44E-01	1.57E-03	4.02E-03
4745	641361.0	4169523.7	Worker	Scenario 3	1.29E+00	2.68E-03	3.92E-03
4746	641411.0	4169523.7	Worker	Scenario 3	9.21E-01	1.93E-03	4.01E-03
4747	641461.0	4169523.7	Worker	Scenario 3	7.78E-01	1.64E-03	4.16E-03
4748	641511.0	4169523.7	Worker	Scenario 3	7.02E-01	1.49E-03	4.16E-03
4749	639311.0	4169573.7	Worker	Scenario 3	6.08E-01	1.27E-03	2.26E-03
4750	639361.0	4169573.7	Worker	Scenario 3	5.80E-01	1.21E-03	2.24E-03
4751	639411.0	4169573.7	Worker	Scenario 3	5.57E-01	1.17E-03	2.13E-03
4752	639461.0	4169573.7	Worker	Scenario 3	5.39E-01	1.13E-03	2.13E-03
4753	639511.0	4169573.7	Worker	Scenario 3	5.23E-01	1.10E-03	2.25E-03
4754	640361.0	4169573.7	Worker	Scenario 3	4.55E-01	9.80E-04	3.45E-03
4755	640411.0	4169573.7	Worker	Scenario 3	4.58E-01	9.86E-04	3.50E-03
4756	640461.0	4169573.7	Worker	Scenario 3	4.61E-01	9.93E-04	3.47E-03
4757	640511.0	4169573.7	Worker	Scenario 3	4.64E-01	1.00E-03	3.58E-03
4758	640561.0	4169573.7	Worker	Scenario 3	4.68E-01	1.01E-03	3.61E-03
4759	640611.0	4169573.7	Worker	Scenario 3	4.72E-01	1.02E-03	3.49E-03
4760	640661.0	4169573.7	Worker	Scenario 3	4.77E-01	1.03E-03	3.56E-03
4761	640711.0	4169573.7	Worker	Scenario 3	4.81E-01	1.04E-03	3.71E-03
4762	640761.0	4169573.7	Worker	Scenario 3	4.87E-01	1.05E-03	3.70E-03
4763	640811.0	4169573.7	Worker	Scenario 3	4.92E-01	1.06E-03	3.76E-03
4764	640861.0	4169573.7	Worker	Scenario 3	4.98E-01	1.08E-03	3.84E-03
4765	640911.0	4169573.7	Worker	Scenario 3	5.05E-01	1.09E-03	4.03E-03
4766	641061.0	4169573.7	Worker	Scenario 3	5.34E-01	1.15E-03	3.82E-03
4767	641111.0	4169573.7	Worker	Scenario 3	5.51E-01	1.18E-03	3.89E-03
4768	641161.0	4169573.7	Worker	Scenario 3	5.78E-01	1.24E-03	3.71E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4769	641211.0	4169573.7	Worker	Scenario 3	6.23E-01	1.33E-03	3.87E-03
4770	641261.0	4169573.7	Worker	Scenario 3	7.23E-01	1.53E-03	3.91E-03
4771	641361.0	4169573.7	Worker	Scenario 3	1.26E+00	2.61E-03	3.81E-03
4772	641411.0	4169573.7	Worker	Scenario 3	8.95E-01	1.88E-03	3.89E-03
4773	641461.0	4169573.7	Worker	Scenario 3	7.51E-01	1.59E-03	4.02E-03
4774	637961.0	4169623.7	Worker	Scenario 3	1.94E-01	4.12E-04	1.46E-03
4775	639261.0	4169623.7	Worker	Scenario 3	5.90E-01	1.23E-03	2.19E-03
4776	639311.0	4169623.7	Worker	Scenario 3	5.63E-01	1.18E-03	2.18E-03
4777	639361.0	4169623.7	Worker	Scenario 3	5.41E-01	1.13E-03	2.08E-03
4778	639411.0	4169623.7	Worker	Scenario 3	5.22E-01	1.10E-03	2.06E-03
4779	639461.0	4169623.7	Worker	Scenario 3	5.06E-01	1.06E-03	2.15E-03
4780	640361.0	4169623.7	Worker	Scenario 3	4.38E-01	9.44E-04	3.39E-03
4781	640411.0	4169623.7	Worker	Scenario 3	4.41E-01	9.50E-04	3.42E-03
4782	640461.0	4169623.7	Worker	Scenario 3	4.44E-01	9.56E-04	3.36E-03
4783	640511.0	4169623.7	Worker	Scenario 3	4.47E-01	9.63E-04	3.49E-03
4784	640561.0	4169623.7	Worker	Scenario 3	4.50E-01	9.70E-04	3.50E-03
4785	640611.0	4169623.7	Worker	Scenario 3	4.54E-01	9.79E-04	3.24E-03
4786	640661.0	4169623.7	Worker	Scenario 3	4.59E-01	9.88E-04	3.55E-03
4787	640711.0	4169623.7	Worker	Scenario 3	4.63E-01	9.99E-04	3.55E-03
4788	640761.0	4169623.7	Worker	Scenario 3	4.68E-01	1.01E-03	3.64E-03
4789	640811.0	4169623.7	Worker	Scenario 3	4.73E-01	1.02E-03	3.68E-03
4790	641261.0	4169623.7	Worker	Scenario 3	7.05E-01	1.49E-03	3.79E-03
4791	637911.0	4169673.7	Worker	Scenario 3	1.79E-01	3.81E-04	1.45E-03
4792	637961.0	4169673.7	Worker	Scenario 3	2.06E-01	4.35E-04	1.51E-03
4793	639211.0	4169673.7	Worker	Scenario 3	5.69E-01	1.19E-03	2.13E-03
4794	639261.0	4169673.7	Worker	Scenario 3	5.44E-01	1.14E-03	2.12E-03
4795	639311.0	4169673.7	Worker	Scenario 3	5.23E-01	1.10E-03	2.03E-03
4796	639361.0	4169673.7	Worker	Scenario 3	5.05E-01	1.06E-03	2.00E-03
4797	640461.0	4169673.7	Worker	Scenario 3	4.27E-01	9.21E-04	3.35E-03
4798	640511.0	4169673.7	Worker	Scenario 3	4.30E-01	9.27E-04	3.38E-03
4799	640561.0	4169673.7	Worker	Scenario 3	4.34E-01	9.35E-04	3.34E-03
4800	640611.0	4169673.7	Worker	Scenario 3	4.37E-01	9.43E-04	3.24E-03
4801	637861.0	4169723.7	Worker	Scenario 3	1.67E-01	3.55E-04	1.44E-03
4802	637911.0	4169723.7	Worker	Scenario 3	1.88E-01	3.98E-04	1.48E-03
4803	637961.0	4169723.7	Worker	Scenario 3	2.18E-01	4.59E-04	1.50E-03
4804	639161.0	4169723.7	Worker	Scenario 3	5.43E-01	1.13E-03	2.06E-03
4805	639211.0	4169723.7	Worker	Scenario 3	5.21E-01	1.09E-03	2.06E-03
4806	639261.0	4169723.7	Worker	Scenario 3	5.02E-01	1.05E-03	1.97E-03
4807	639311.0	4169723.7	Worker	Scenario 3	4.86E-01	1.02E-03	1.94E-03
4808	637861.0	4169773.7	Worker	Scenario 3	1.71E-01	3.64E-04	1.45E-03
4809	637911.0	4169773.7	Worker	Scenario 3	1.95E-01	4.12E-04	1.45E-03
4810	637961.0	4169773.7	Worker	Scenario 3	2.25E-01	4.74E-04	1.44E-03
4811	639111.0	4169773.7	Worker	Scenario 3	5.17E-01	1.08E-03	2.01E-03
4812	639161.0	4169773.7	Worker	Scenario 3	4.97E-01	1.04E-03	2.00E-03
4813	639211.0	4169773.7	Worker	Scenario 3	4.80E-01	1.01E-03	1.93E-03
4814	639261.0	4169773.7	Worker	Scenario 3	4.65E-01	9.77E-04	1.88E-03
4815	637861.0	4169823.7	Worker	Scenario 3	1.77E-01	3.75E-04	1.41E-03
4816	637911.0	4169823.7	Worker	Scenario 3	2.00E-01	4.23E-04	1.38E-03
4817	637961.0	4169823.7	Worker	Scenario 3	2.33E-01	4.90E-04	1.33E-03
4818	639061.0	4169823.7	Worker	Scenario 3	4.90E-01	1.02E-03	1.95E-03
4819	639111.0	4169823.7	Worker	Scenario 3	4.72E-01	9.89E-04	1.95E-03
4820	639161.0	4169823.7	Worker	Scenario 3	4.57E-01	9.58E-04	1.88E-03
4821	639211.0	4169823.7	Worker	Scenario 3	4.43E-01	9.31E-04	1.82E-03
4822	637861.0	4169873.7	Worker	Scenario 3	1.80E-01	3.82E-04	1.32E-03
4823	637911.0	4169873.7	Worker	Scenario 3	2.04E-01	4.30E-04	1.27E-03
4824	637961.0	4169873.7	Worker	Scenario 3	2.36E-01	4.95E-04	1.25E-03
4825	639011.0	4169873.7	Worker	Scenario 3	4.62E-01	9.66E-04	1.90E-03
4826	639061.0	4169873.7	Worker	Scenario 3	4.47E-01	9.36E-04	1.90E-03
4827	639111.0	4169873.7	Worker	Scenario 3	4.33E-01	9.10E-04	1.83E-03
4828	639161.0	4169873.7	Worker	Scenario 3	4.21E-01	8.86E-04	1.77E-03
4829	637861.0	4169923.7	Worker	Scenario 3	1.83E-01	3.87E-04	1.23E-03
4830	637911.0	4169923.7	Worker	Scenario 3	2.05E-01	4.33E-04	1.20E-03
4831	637961.0	4169923.7	Worker	Scenario 3	2.35E-01	4.93E-04	1.25E-03
4832	638961.0	4169923.7	Worker	Scenario 3	4.31E-01	9.03E-04	1.85E-03
4833	639011.0	4169923.7	Worker	Scenario 3	4.19E-01	8.80E-04	1.85E-03
4834	639061.0	4169923.7	Worker	Scenario 3	4.09E-01	8.59E-04	1.79E-03
4835	639111.0	4169923.7	Worker	Scenario 3	3.99E-01	8.40E-04	1.72E-03
4836	637861.0	4169973.7	Worker	Scenario 3	1.84E-01	3.89E-04	1.17E-03
4837	637911.0	4169973.7	Worker	Scenario 3	2.04E-01	4.31E-04	1.25E-03
4838	637961.0	4169973.7	Worker	Scenario 3	2.31E-01	4.85E-04	1.34E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4839	638911.0	4169973.7	Worker	Scenario 3	4.01E-01	8.41E-04	1.80E-03
4840	638961.0	4169973.7	Worker	Scenario 3	3.91E-01	8.22E-04	1.80E-03
4841	639011.0	4169973.7	Worker	Scenario 3	3.83E-01	8.06E-04	1.75E-03
4842	639061.0	4169973.7	Worker	Scenario 3	3.76E-01	7.92E-04	1.67E-03
4843	637861.0	4170023.7	Worker	Scenario 3	1.83E-01	3.87E-04	1.24E-03
4844	637911.0	4170023.7	Worker	Scenario 3	2.01E-01	4.25E-04	1.32E-03
4845	637961.0	4170023.7	Worker	Scenario 3	2.24E-01	4.71E-04	1.39E-03
4846	638911.0	4170023.7	Worker	Scenario 3	3.65E-01	7.68E-04	1.76E-03
4847	638961.0	4170023.7	Worker	Scenario 3	3.58E-01	7.55E-04	1.71E-03
4848	639011.0	4170023.7	Worker	Scenario 3	3.53E-01	7.44E-04	1.63E-03
4849	637861.0	4170073.7	Worker	Scenario 3	1.81E-01	3.83E-04	1.30E-03
4850	637911.0	4170073.7	Worker	Scenario 3	1.96E-01	4.14E-04	1.35E-03
4851	637961.0	4170073.7	Worker	Scenario 3	2.13E-01	4.49E-04	1.38E-03
4852	638011.0	4170073.7	Worker	Scenario 3	2.32E-01	4.88E-04	1.39E-03
4853	638911.0	4170073.7	Worker	Scenario 3	3.36E-01	7.09E-04	1.67E-03
4854	638961.0	4170073.7	Worker	Scenario 3	3.32E-01	7.01E-04	1.59E-03
4855	637911.0	4170123.7	Worker	Scenario 3	1.91E-01	4.05E-04	1.35E-03
4856	637961.0	4170123.7	Worker	Scenario 3	2.06E-01	4.34E-04	1.35E-03
4857	638011.0	4170123.7	Worker	Scenario 3	2.20E-01	4.64E-04	1.33E-03
4858	638061.0	4170123.7	Worker	Scenario 3	2.40E-01	5.04E-04	1.35E-03
4859	638111.0	4170123.7	Worker	Scenario 3	2.56E-01	5.38E-04	1.40E-03
4860	638161.0	4170123.7	Worker	Scenario 3	2.71E-01	5.69E-04	1.42E-03
4861	638211.0	4170123.7	Worker	Scenario 3	2.87E-01	6.02E-04	1.43E-03
4862	638261.0	4170123.7	Worker	Scenario 3	3.03E-01	6.33E-04	1.47E-03
4863	638311.0	4170123.7	Worker	Scenario 3	3.18E-01	6.64E-04	1.48E-03
4864	638361.0	4170123.7	Worker	Scenario 3	3.31E-01	6.91E-04	1.52E-03
4865	638411.0	4170123.7	Worker	Scenario 3	3.37E-01	7.04E-04	1.53E-03
4866	638461.0	4170123.7	Worker	Scenario 3	3.36E-01	7.03E-04	1.50E-03
4867	638511.0	4170123.7	Worker	Scenario 3	3.34E-01	6.99E-04	1.53E-03
4868	638561.0	4170123.7	Worker	Scenario 3	3.31E-01	6.95E-04	1.59E-03
4869	638611.0	4170123.7	Worker	Scenario 3	3.29E-01	6.91E-04	1.61E-03
4870	638661.0	4170123.7	Worker	Scenario 3	3.27E-01	6.87E-04	1.63E-03
4871	638911.0	4170123.7	Worker	Scenario 3	3.12E-01	6.59E-04	1.55E-03
4872	638961.0	4170123.7	Worker	Scenario 3	3.08E-01	6.53E-04	1.56E-03
4873	637911.0	4170173.7	Worker	Scenario 3	1.86E-01	3.95E-04	1.32E-03
4874	637961.0	4170173.7	Worker	Scenario 3	1.98E-01	4.20E-04	1.29E-03
4875	638011.0	4170173.7	Worker	Scenario 3	2.11E-01	4.46E-04	1.32E-03
4876	638061.0	4170173.7	Worker	Scenario 3	2.26E-01	4.76E-04	1.37E-03
4877	638111.0	4170173.7	Worker	Scenario 3	2.39E-01	5.03E-04	1.39E-03
4878	638161.0	4170173.7	Worker	Scenario 3	2.52E-01	5.29E-04	1.40E-03
4879	638211.0	4170173.7	Worker	Scenario 3	2.64E-01	5.55E-04	1.43E-03
4880	638261.0	4170173.7	Worker	Scenario 3	2.75E-01	5.78E-04	1.45E-03
4881	638311.0	4170173.7	Worker	Scenario 3	2.85E-01	5.99E-04	1.49E-03
4882	638361.0	4170173.7	Worker	Scenario 3	2.94E-01	6.16E-04	1.49E-03
4883	638411.0	4170173.7	Worker	Scenario 3	2.98E-01	6.27E-04	1.46E-03
4884	638461.0	4170173.7	Worker	Scenario 3	3.00E-01	6.31E-04	1.50E-03
4885	638511.0	4170173.7	Worker	Scenario 3	3.00E-01	6.31E-04	1.55E-03
4886	638561.0	4170173.7	Worker	Scenario 3	3.00E-01	6.32E-04	1.57E-03
4887	638611.0	4170173.7	Worker	Scenario 3	3.00E-01	6.32E-04	1.59E-03
4888	638861.0	4170173.7	Worker	Scenario 3	2.92E-01	6.20E-04	1.53E-03
4889	638911.0	4170173.7	Worker	Scenario 3	2.91E-01	6.17E-04	1.52E-03
4890	638961.0	4170173.7	Worker	Scenario 3	2.89E-01	6.14E-04	1.54E-03
4891	638011.0	4170223.7	Worker	Scenario 3	2.02E-01	4.28E-04	1.34E-03
4892	638061.0	4170223.7	Worker	Scenario 3	2.14E-01	4.51E-04	1.36E-03
4893	638111.0	4170223.7	Worker	Scenario 3	2.25E-01	4.74E-04	1.38E-03
4894	638161.0	4170223.7	Worker	Scenario 3	2.35E-01	4.95E-04	1.40E-03
4895	638211.0	4170223.7	Worker	Scenario 3	2.45E-01	5.16E-04	1.42E-03
4896	638261.0	4170223.7	Worker	Scenario 3	2.53E-01	5.34E-04	1.45E-03
4897	638311.0	4170223.7	Worker	Scenario 3	2.60E-01	5.48E-04	1.45E-03
4898	638361.0	4170223.7	Worker	Scenario 3	2.66E-01	5.60E-04	1.42E-03
4899	638411.0	4170223.7	Worker	Scenario 3	2.70E-01	5.70E-04	1.46E-03
4900	638461.0	4170223.7	Worker	Scenario 3	2.74E-01	5.78E-04	1.51E-03
4901	638511.0	4170223.7	Worker	Scenario 3	2.75E-01	5.81E-04	1.53E-03
4902	638561.0	4170223.7	Worker	Scenario 3	2.76E-01	5.84E-04	1.55E-03
4903	638811.0	4170223.7	Worker	Scenario 3	2.75E-01	5.83E-04	1.50E-03
4904	638861.0	4170223.7	Worker	Scenario 3	2.74E-01	5.82E-04	1.48E-03
4905	638911.0	4170223.7	Worker	Scenario 3	2.73E-01	5.81E-04	1.50E-03
4906	638761.0	4170273.7	Worker	Scenario 3	2.59E-01	5.51E-04	1.48E-03
4907	641536.2	4164448.9	Worker	Scenario 3	2.60E-02	5.94E-05	1.55E-03
4908	641636.2	4164448.9	Worker	Scenario 3	2.89E-02	6.67E-05	1.88E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4909	641736.2	4164448.9	Worker	Scenario 3	2.86E-02	6.61E-05	1.10E-03
4910	641836.2	4164448.9	Worker	Scenario 3	2.87E-02	6.63E-05	1.01E-03
4911	641936.2	4164448.9	Worker	Scenario 3	2.94E-02	6.81E-05	9.29E-04
4912	642036.2	4164448.9	Worker	Scenario 3	3.06E-02	7.10E-05	1.16E-03
4913	642136.2	4164448.9	Worker	Scenario 3	3.16E-02	7.34E-05	1.25E-03
4914	642236.2	4164448.9	Worker	Scenario 3	3.40E-02	7.91E-05	1.15E-03
4915	642336.2	4164448.9	Worker	Scenario 3	3.62E-02	8.43E-05	1.14E-03
4916	642436.2	4164448.9	Worker	Scenario 3	3.65E-02	8.53E-05	8.74E-04
4917	642536.2	4164448.9	Worker	Scenario 3	3.57E-02	8.33E-05	9.53E-04
4918	642636.2	4164448.9	Worker	Scenario 3	3.70E-02	8.63E-05	1.03E-03
4919	642736.2	4164448.9	Worker	Scenario 3	4.10E-02	9.62E-05	1.60E-03
4920	642836.2	4164448.9	Worker	Scenario 3	4.76E-02	1.12E-04	2.27E-03
4921	642936.2	4164448.9	Worker	Scenario 3	4.84E-02	1.14E-04	1.84E-03
4922	643036.2	4164448.9	Worker	Scenario 3	5.04E-02	1.18E-04	2.05E-03
4923	643136.2	4164448.9	Worker	Scenario 3	5.59E-02	1.32E-04	3.06E-03
4924	643236.2	4164448.9	Worker	Scenario 3	6.01E-02	1.42E-04	3.44E-03
4925	643336.2	4164448.9	Worker	Scenario 3	6.46E-02	1.53E-04	3.36E-03
4926	643436.2	4164448.9	Worker	Scenario 3	6.76E-02	1.60E-04	3.47E-03
4927	643536.2	4164448.9	Worker	Scenario 3	6.97E-02	1.65E-04	3.93E-03
4928	643636.2	4164448.9	Worker	Scenario 3	7.30E-02	1.73E-04	3.68E-03
4929	643736.2	4164448.9	Worker	Scenario 3	7.50E-02	1.77E-04	4.00E-03
4930	643836.2	4164448.9	Worker	Scenario 3	7.64E-02	1.80E-04	3.25E-03
4931	643936.2	4164448.9	Worker	Scenario 3	7.86E-02	1.84E-04	3.11E-03
4932	644036.2	4164448.9	Worker	Scenario 3	8.03E-02	1.87E-04	3.06E-03
4933	644136.2	4164448.9	Worker	Scenario 3	8.12E-02	1.89E-04	3.59E-03
4934	644336.2	4164448.9	Worker	Scenario 3	8.21E-02	1.90E-04	2.98E-03
4935	644436.2	4164448.9	Worker	Scenario 3	8.24E-02	1.90E-04	2.90E-03
4936	644536.2	4164448.9	Worker	Scenario 3	8.20E-02	1.89E-04	2.66E-03
4937	640936.2	4164548.9	Worker	Scenario 3	2.27E-02	5.21E-05	9.93E-04
4938	641036.2	4164548.9	Worker	Scenario 3	2.20E-02	5.02E-05	1.06E-03
4939	641136.2	4164548.9	Worker	Scenario 3	2.27E-02	5.15E-05	9.93E-04
4940	641236.2	4164548.9	Worker	Scenario 3	2.34E-02	5.30E-05	5.42E-04
4941	641336.2	4164548.9	Worker	Scenario 3	2.42E-02	5.49E-05	6.97E-04
4942	641436.2	4164548.9	Worker	Scenario 3	2.46E-02	5.57E-05	8.21E-04
4943	641536.2	4164548.9	Worker	Scenario 3	2.56E-02	5.81E-05	7.96E-04
4944	641636.2	4164548.9	Worker	Scenario 3	2.72E-02	6.22E-05	7.44E-04
4945	641736.2	4164548.9	Worker	Scenario 3	3.03E-02	7.02E-05	1.34E-03
4946	641836.2	4164548.9	Worker	Scenario 3	3.38E-02	7.87E-05	2.27E-03
4947	641936.2	4164548.9	Worker	Scenario 3	3.39E-02	7.90E-05	1.22E-03
4948	642036.2	4164548.9	Worker	Scenario 3	3.23E-02	7.52E-05	1.22E-03
4949	642136.2	4164548.9	Worker	Scenario 3	3.37E-02	7.85E-05	1.27E-03
4950	642236.2	4164548.9	Worker	Scenario 3	3.41E-02	7.91E-05	1.13E-03
4951	642336.2	4164548.9	Worker	Scenario 3	3.62E-02	8.44E-05	8.76E-04
4952	642436.2	4164548.9	Worker	Scenario 3	4.40E-02	1.04E-04	2.06E-03
4953	642536.2	4164548.9	Worker	Scenario 3	3.83E-02	8.95E-05	1.07E-03
4954	642636.2	4164548.9	Worker	Scenario 3	3.91E-02	9.14E-05	1.03E-03
4955	642736.2	4164548.9	Worker	Scenario 3	4.06E-02	9.53E-05	8.37E-04
4956	642836.2	4164548.9	Worker	Scenario 3	4.83E-02	1.14E-04	1.61E-03
4957	642936.2	4164548.9	Worker	Scenario 3	5.46E-02	1.28E-04	2.31E-03
4958	643036.2	4164548.9	Worker	Scenario 3	5.38E-02	1.27E-04	2.36E-03
4959	643136.2	4164548.9	Worker	Scenario 3	5.84E-02	1.39E-04	3.06E-03
4960	643236.2	4164548.9	Worker	Scenario 3	6.35E-02	1.51E-04	3.23E-03
4961	643336.2	4164548.9	Worker	Scenario 3	6.82E-02	1.62E-04	3.62E-03
4962	643436.2	4164548.9	Worker	Scenario 3	7.11E-02	1.69E-04	3.75E-03
4963	643536.2	4164548.9	Worker	Scenario 3	7.45E-02	1.77E-04	4.03E-03
4964	643636.2	4164548.9	Worker	Scenario 3	7.71E-02	1.82E-04	4.17E-03
4965	643736.2	4164548.9	Worker	Scenario 3	7.95E-02	1.87E-04	3.55E-03
4966	643836.2	4164548.9	Worker	Scenario 3	8.09E-02	1.90E-04	3.34E-03
4967	643936.2	4164548.9	Worker	Scenario 3	8.24E-02	1.93E-04	3.11E-03
4968	644036.2	4164548.9	Worker	Scenario 3	8.43E-02	1.97E-04	3.79E-03
4969	644236.2	4164548.9	Worker	Scenario 3	8.39E-02	1.95E-04	3.29E-03
4970	644336.2	4164548.9	Worker	Scenario 3	8.53E-02	1.97E-04	3.11E-03
4971	644436.2	4164548.9	Worker	Scenario 3	8.56E-02	1.97E-04	2.81E-03
4972	644536.2	4164548.9	Worker	Scenario 3	8.60E-02	1.97E-04	2.53E-03
4973	644636.2	4164548.9	Worker	Scenario 3	8.61E-02	1.97E-04	2.35E-03
4974	644736.2	4164548.9	Worker	Scenario 3	8.63E-02	1.97E-04	1.90E-03
4975	644836.2	4164548.9	Worker	Scenario 3	8.62E-02	1.96E-04	2.08E-03
4976	644936.2	4164548.9	Worker	Scenario 3	8.56E-02	1.95E-04	2.23E-03
4977	645036.2	4164548.9	Worker	Scenario 3	8.69E-02	1.97E-04	2.00E-03
4978	640536.2	4164648.9	Worker	Scenario 3	2.04E-02	4.69E-05	6.53E-04

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4979	640636.2	4164648.9	Worker	Scenario 3	2.17E-02	4.99E-05	1.16E-03
4980	640736.2	4164648.9	Worker	Scenario 3	2.14E-02	4.90E-05	6.70E-04
4981	640836.2	4164648.9	Worker	Scenario 3	2.23E-02	5.11E-05	9.93E-04
4982	640936.2	4164648.9	Worker	Scenario 3	2.34E-02	5.37E-05	1.07E-03
4983	641036.2	4164648.9	Worker	Scenario 3	2.28E-02	5.21E-05	9.92E-04
4984	641136.2	4164648.9	Worker	Scenario 3	2.35E-02	5.36E-05	1.14E-03
4985	641236.2	4164648.9	Worker	Scenario 3	2.43E-02	5.50E-05	5.48E-04
4986	641336.2	4164648.9	Worker	Scenario 3	2.60E-02	5.90E-05	7.10E-04
4987	641436.2	4164648.9	Worker	Scenario 3	2.57E-02	5.83E-05	8.43E-04
4988	641536.2	4164648.9	Worker	Scenario 3	2.65E-02	6.03E-05	8.17E-04
4989	641636.2	4164648.9	Worker	Scenario 3	2.77E-02	6.33E-05	6.71E-04
4990	641736.2	4164648.9	Worker	Scenario 3	2.91E-02	6.70E-05	8.29E-04
4991	641836.2	4164648.9	Worker	Scenario 3	3.36E-02	7.82E-05	1.80E-03
4992	641936.2	4164648.9	Worker	Scenario 3	3.89E-02	9.14E-05	1.63E-03
4993	642036.2	4164648.9	Worker	Scenario 3	3.62E-02	8.47E-05	1.27E-03
4994	642136.2	4164648.9	Worker	Scenario 3	3.53E-02	8.21E-05	1.29E-03
4995	642236.2	4164648.9	Worker	Scenario 3	3.61E-02	8.39E-05	1.10E-03
4996	642336.2	4164648.9	Worker	Scenario 3	3.72E-02	8.66E-05	8.07E-04
4997	642436.2	4164648.9	Worker	Scenario 3	4.15E-02	9.75E-05	1.32E-03
4998	642536.2	4164648.9	Worker	Scenario 3	4.78E-02	1.13E-04	2.95E-03
4999	642636.2	4164648.9	Worker	Scenario 3	4.23E-02	9.94E-05	1.25E-03
5000	642736.2	4164648.9	Worker	Scenario 3	4.30E-02	1.01E-04	7.26E-04
5001	642836.2	4164648.9	Worker	Scenario 3	4.87E-02	1.15E-04	1.33E-03
5002	642936.2	4164648.9	Worker	Scenario 3	5.65E-02	1.33E-04	2.58E-03
5003	643036.2	4164648.9	Worker	Scenario 3	6.00E-02	1.43E-04	3.09E-03
5004	643136.2	4164648.9	Worker	Scenario 3	6.14E-02	1.46E-04	3.02E-03
5005	643236.2	4164648.9	Worker	Scenario 3	6.78E-02	1.62E-04	3.58E-03
5006	643336.2	4164648.9	Worker	Scenario 3	7.12E-02	1.70E-04	3.57E-03
5007	643436.2	4164648.9	Worker	Scenario 3	7.57E-02	1.80E-04	4.24E-03
5008	643536.2	4164648.9	Worker	Scenario 3	7.92E-02	1.88E-04	4.22E-03
5009	643636.2	4164648.9	Worker	Scenario 3	8.16E-02	1.93E-04	3.92E-03
5010	643736.2	4164648.9	Worker	Scenario 3	8.41E-02	1.98E-04	3.55E-03
5011	643836.2	4164648.9	Worker	Scenario 3	8.56E-02	2.01E-04	3.18E-03
5012	644136.2	4164648.9	Worker	Scenario 3	8.83E-02	2.05E-04	3.42E-03
5013	644236.2	4164648.9	Worker	Scenario 3	8.87E-02	2.05E-04	3.38E-03
5014	644336.2	4164648.9	Worker	Scenario 3	8.96E-02	2.07E-04	2.94E-03
5015	644436.2	4164648.9	Worker	Scenario 3	8.99E-02	2.07E-04	2.70E-03
5016	644536.2	4164648.9	Worker	Scenario 3	9.00E-02	2.06E-04	2.45E-03
5017	644736.2	4164648.9	Worker	Scenario 3	9.07E-02	2.07E-04	2.13E-03
5018	644836.2	4164648.9	Worker	Scenario 3	9.10E-02	2.07E-04	2.04E-03
5019	644936.2	4164648.9	Worker	Scenario 3	9.10E-02	2.07E-04	2.23E-03
5020	645036.2	4164648.9	Worker	Scenario 3	9.12E-02	2.07E-04	2.32E-03
5021	645136.2	4164648.9	Worker	Scenario 3	9.07E-02	2.06E-04	2.52E-03
5022	645236.2	4164648.9	Worker	Scenario 3	9.12E-02	2.07E-04	2.04E-03
5023	640336.2	4164748.9	Worker	Scenario 3	2.88E-02	6.75E-05	2.99E-03
5024	640436.2	4164748.9	Worker	Scenario 3	2.22E-02	5.13E-05	1.52E-03
5025	640536.2	4164748.9	Worker	Scenario 3	2.12E-02	4.88E-05	7.43E-04
5026	640636.2	4164748.9	Worker	Scenario 3	2.22E-02	5.11E-05	1.05E-03
5027	640736.2	4164748.9	Worker	Scenario 3	2.23E-02	5.12E-05	9.06E-04
5028	640836.2	4164748.9	Worker	Scenario 3	2.30E-02	5.27E-05	9.32E-04
5029	640936.2	4164748.9	Worker	Scenario 3	2.43E-02	5.58E-05	1.13E-03
5030	641036.2	4164748.9	Worker	Scenario 3	2.37E-02	5.42E-05	9.04E-04
5031	641136.2	4164748.9	Worker	Scenario 3	2.44E-02	5.57E-05	1.25E-03
5032	641236.2	4164748.9	Worker	Scenario 3	2.55E-02	5.80E-05	6.36E-04
5033	641336.2	4164748.9	Worker	Scenario 3	2.70E-02	6.13E-05	7.23E-04
5034	641436.2	4164748.9	Worker	Scenario 3	2.68E-02	6.09E-05	8.67E-04
5035	641536.2	4164748.9	Worker	Scenario 3	2.78E-02	6.34E-05	8.38E-04
5036	641636.2	4164748.9	Worker	Scenario 3	2.91E-02	6.68E-05	7.07E-04
5037	641736.2	4164748.9	Worker	Scenario 3	3.04E-02	7.00E-05	8.67E-04
5038	641836.2	4164748.9	Worker	Scenario 3	3.26E-02	7.55E-05	9.16E-04
5039	641936.2	4164748.9	Worker	Scenario 3	3.86E-02	9.06E-05	1.40E-03
5040	642036.2	4164748.9	Worker	Scenario 3	3.80E-02	8.90E-05	1.33E-03
5041	642136.2	4164748.9	Worker	Scenario 3	3.68E-02	8.56E-05	1.29E-03
5042	642236.2	4164748.9	Worker	Scenario 3	3.96E-02	9.26E-05	1.05E-03
5043	642336.2	4164748.9	Worker	Scenario 3	4.03E-02	9.43E-05	9.20E-04
5044	642436.2	4164748.9	Worker	Scenario 3	4.11E-02	9.63E-05	1.08E-03
5045	642536.2	4164748.9	Worker	Scenario 3	4.96E-02	1.17E-04	2.89E-03
5046	642636.2	4164748.9	Worker	Scenario 3	4.68E-02	1.10E-04	1.41E-03
5047	642736.2	4164748.9	Worker	Scenario 3	4.60E-02	1.08E-04	7.78E-04
5048	642836.2	4164748.9	Worker	Scenario 3	4.84E-02	1.14E-04	1.11E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5049	642936.2	4164748.9	Worker	Scenario 3	5.41E-02	1.28E-04	2.24E-03
5050	643036.2	4164748.9	Worker	Scenario 3	6.45E-02	1.54E-04	3.34E-03
5051	643136.2	4164748.9	Worker	Scenario 3	6.63E-02	1.58E-04	3.28E-03
5052	643236.2	4164748.9	Worker	Scenario 3	7.32E-02	1.75E-04	3.83E-03
5053	643336.2	4164748.9	Worker	Scenario 3	7.63E-02	1.82E-04	4.20E-03
5054	643436.2	4164748.9	Worker	Scenario 3	7.96E-02	1.90E-04	3.99E-03
5055	643536.2	4164748.9	Worker	Scenario 3	8.36E-02	1.99E-04	4.24E-03
5056	643636.2	4164748.9	Worker	Scenario 3	8.67E-02	2.05E-04	3.71E-03
5057	643736.2	4164748.9	Worker	Scenario 3	8.86E-02	2.08E-04	3.36E-03
5058	644036.2	4164748.9	Worker	Scenario 3	9.20E-02	2.14E-04	3.67E-03
5059	644136.2	4164748.9	Worker	Scenario 3	9.34E-02	2.17E-04	3.52E-03
5060	644236.2	4164748.9	Worker	Scenario 3	9.38E-02	2.17E-04	3.11E-03
5061	644336.2	4164748.9	Worker	Scenario 3	9.41E-02	2.17E-04	2.88E-03
5062	644436.2	4164748.9	Worker	Scenario 3	9.45E-02	2.17E-04	2.50E-03
5063	644536.2	4164748.9	Worker	Scenario 3	9.49E-02	2.17E-04	2.16E-03
5064	644736.2	4164748.9	Worker	Scenario 3	9.56E-02	2.18E-04	2.22E-03
5065	644836.2	4164748.9	Worker	Scenario 3	9.58E-02	2.18E-04	2.38E-03
5066	644936.2	4164748.9	Worker	Scenario 3	9.59E-02	2.18E-04	2.53E-03
5067	645036.2	4164748.9	Worker	Scenario 3	9.46E-02	2.15E-04	2.95E-03
5068	645136.2	4164748.9	Worker	Scenario 3	9.58E-02	2.17E-04	2.19E-03
5069	645236.2	4164748.9	Worker	Scenario 3	9.57E-02	2.17E-04	1.76E-03
5070	645336.2	4164748.9	Worker	Scenario 3	9.53E-02	2.16E-04	1.56E-03
5071	645436.2	4164748.9	Worker	Scenario 3	9.58E-02	2.17E-04	1.29E-03
5072	640136.2	4164848.9	Worker	Scenario 3	2.06E-02	4.71E-05	9.32E-04
5073	640236.2	4164848.9	Worker	Scenario 3	2.44E-02	5.66E-05	1.29E-03
5074	640336.2	4164848.9	Worker	Scenario 3	3.04E-02	7.14E-05	3.08E-03
5075	640436.2	4164848.9	Worker	Scenario 3	2.32E-02	5.38E-05	1.42E-03
5076	640536.2	4164848.9	Worker	Scenario 3	2.18E-02	5.02E-05	8.07E-04
5077	640636.2	4164848.9	Worker	Scenario 3	2.28E-02	5.25E-05	8.55E-04
5078	640736.2	4164848.9	Worker	Scenario 3	2.42E-02	5.58E-05	1.31E-03
5079	640836.2	4164848.9	Worker	Scenario 3	2.40E-02	5.52E-05	8.46E-04
5080	640936.2	4164848.9	Worker	Scenario 3	2.55E-02	5.87E-05	1.17E-03
5081	641036.2	4164848.9	Worker	Scenario 3	2.47E-02	5.65E-05	9.08E-04
5082	641136.2	4164848.9	Worker	Scenario 3	2.55E-02	5.81E-05	1.36E-03
5083	641236.2	4164848.9	Worker	Scenario 3	2.66E-02	6.07E-05	6.88E-04
5084	641336.2	4164848.9	Worker	Scenario 3	2.81E-02	6.39E-05	7.37E-04
5085	641436.2	4164848.9	Worker	Scenario 3	2.83E-02	6.44E-05	8.93E-04
5086	641536.2	4164848.9	Worker	Scenario 3	2.91E-02	6.65E-05	8.61E-04
5087	641636.2	4164848.9	Worker	Scenario 3	3.03E-02	6.94E-05	7.10E-04
5088	641736.2	4164848.9	Worker	Scenario 3	3.25E-02	7.50E-05	9.04E-04
5089	641836.2	4164848.9	Worker	Scenario 3	3.42E-02	7.95E-05	9.61E-04
5090	641936.2	4164848.9	Worker	Scenario 3	3.79E-02	8.88E-05	1.25E-03
5091	642036.2	4164848.9	Worker	Scenario 3	4.79E-02	1.13E-04	2.31E-03
5092	642136.2	4164848.9	Worker	Scenario 3	3.93E-02	9.17E-05	1.28E-03
5093	642236.2	4164848.9	Worker	Scenario 3	4.08E-02	9.53E-05	9.92E-04
5094	642336.2	4164848.9	Worker	Scenario 3	4.59E-02	1.08E-04	1.31E-03
5095	642436.2	4164848.9	Worker	Scenario 3	4.38E-02	1.03E-04	1.04E-03
5096	642536.2	4164848.9	Worker	Scenario 3	4.78E-02	1.13E-04	1.79E-03
5097	642636.2	4164848.9	Worker	Scenario 3	5.29E-02	1.25E-04	1.72E-03
5098	642736.2	4164848.9	Worker	Scenario 3	4.92E-02	1.16E-04	9.05E-04
5099	642836.2	4164848.9	Worker	Scenario 3	5.17E-02	1.22E-04	1.24E-03
5100	642936.2	4164848.9	Worker	Scenario 3	5.61E-02	1.34E-04	2.42E-03
5101	643036.2	4164848.9	Worker	Scenario 3	6.11E-02	1.46E-04	2.80E-03
5102	643136.2	4164848.9	Worker	Scenario 3	7.63E-02	1.83E-04	4.05E-03
5103	643236.2	4164848.9	Worker	Scenario 3	7.77E-02	1.86E-04	3.99E-03
5104	643336.2	4164848.9	Worker	Scenario 3	8.27E-02	1.98E-04	4.10E-03
5105	643436.2	4164848.9	Worker	Scenario 3	8.60E-02	2.05E-04	4.52E-03
5106	643536.2	4164848.9	Worker	Scenario 3	8.85E-02	2.10E-04	3.77E-03
5107	643636.2	4164848.9	Worker	Scenario 3	9.15E-02	2.16E-04	3.54E-03
5108	643936.2	4164848.9	Worker	Scenario 3	9.67E-02	2.26E-04	3.87E-03
5109	644036.2	4164848.9	Worker	Scenario 3	9.77E-02	2.27E-04	3.79E-03
5110	644136.2	4164848.9	Worker	Scenario 3	9.86E-02	2.28E-04	3.25E-03
5111	644236.2	4164848.9	Worker	Scenario 3	9.89E-02	2.28E-04	3.03E-03
5112	644336.2	4164848.9	Worker	Scenario 3	9.91E-02	2.28E-04	2.62E-03
5113	644436.2	4164848.9	Worker	Scenario 3	9.96E-02	2.28E-04	2.37E-03
5114	644536.2	4164848.9	Worker	Scenario 3	1.00E-01	2.29E-04	2.41E-03
5115	644736.2	4164848.9	Worker	Scenario 3	1.01E-01	2.30E-04	2.57E-03
5116	644836.2	4164848.9	Worker	Scenario 3	1.00E-01	2.28E-04	2.98E-03
5117	644936.2	4164848.9	Worker	Scenario 3	1.00E-01	2.28E-04	2.85E-03
5118	645036.2	4164848.9	Worker	Scenario 3	1.01E-01	2.29E-04	2.22E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5119	645136.2	4164848.9	Worker	Scenario 3	1.01E-01	2.29E-04	1.80E-03
5120	645236.2	4164848.9	Worker	Scenario 3	1.01E-01	2.28E-04	1.70E-03
5121	645336.2	4164848.9	Worker	Scenario 3	9.98E-02	2.26E-04	1.64E-03
5122	645436.2	4164848.9	Worker	Scenario 3	9.91E-02	2.24E-04	1.46E-03
5123	645536.2	4164848.9	Worker	Scenario 3	9.87E-02	2.23E-04	1.13E-03
5124	645636.2	4164848.9	Worker	Scenario 3	1.01E-01	2.27E-04	1.18E-03
5125	645736.2	4164848.9	Worker	Scenario 3	9.96E-02	2.25E-04	1.19E-03
5126	640036.2	4164948.9	Worker	Scenario 3	1.98E-02	4.54E-05	7.41E-04
5127	640136.2	4164948.9	Worker	Scenario 3	2.19E-02	5.04E-05	8.96E-04
5128	640236.2	4164948.9	Worker	Scenario 3	2.58E-02	6.00E-05	1.83E-03
5129	640336.2	4164948.9	Worker	Scenario 3	3.18E-02	7.51E-05	3.28E-03
5130	640436.2	4164948.9	Worker	Scenario 3	2.67E-02	6.23E-05	2.05E-03
5131	640536.2	4164948.9	Worker	Scenario 3	2.26E-02	5.22E-05	8.30E-04
5132	640636.2	4164948.9	Worker	Scenario 3	2.32E-02	5.35E-05	7.31E-04
5133	640736.2	4164948.9	Worker	Scenario 3	2.41E-02	5.55E-05	1.21E-03
5134	640836.2	4164948.9	Worker	Scenario 3	2.62E-02	6.03E-05	8.79E-04
5135	640936.2	4164948.9	Worker	Scenario 3	2.76E-02	6.39E-05	2.35E-03
5136	641036.2	4164948.9	Worker	Scenario 3	2.58E-02	5.91E-05	1.03E-03
5137	641136.2	4164948.9	Worker	Scenario 3	2.65E-02	6.06E-05	1.44E-03
5138	641236.2	4164948.9	Worker	Scenario 3	2.81E-02	6.40E-05	7.83E-04
5139	641336.2	4164948.9	Worker	Scenario 3	2.94E-02	6.68E-05	7.51E-04
5140	641436.2	4164948.9	Worker	Scenario 3	3.01E-02	6.87E-05	1.02E-03
5141	641536.2	4164948.9	Worker	Scenario 3	3.06E-02	6.99E-05	8.86E-04
5142	641636.2	4164948.9	Worker	Scenario 3	3.17E-02	7.28E-05	7.45E-04
5143	641736.2	4164948.9	Worker	Scenario 3	3.37E-02	7.79E-05	9.42E-04
5144	641836.2	4164948.9	Worker	Scenario 3	3.88E-02	9.07E-05	1.57E-03
5145	641936.2	4164948.9	Worker	Scenario 3	3.87E-02	9.06E-05	1.34E-03
5146	642036.2	4164948.9	Worker	Scenario 3	5.07E-02	1.20E-04	2.65E-03
5147	642136.2	4164948.9	Worker	Scenario 3	4.19E-02	9.81E-05	1.25E-03
5148	642236.2	4164948.9	Worker	Scenario 3	4.28E-02	1.00E-04	9.22E-04
5149	642336.2	4164948.9	Worker	Scenario 3	4.73E-02	1.11E-04	1.37E-03
5150	642436.2	4164948.9	Worker	Scenario 3	5.13E-02	1.21E-04	2.52E-03
5151	642536.2	4164948.9	Worker	Scenario 3	5.21E-02	1.23E-04	1.73E-03
5152	642636.2	4164948.9	Worker	Scenario 3	5.93E-02	1.40E-04	2.04E-03
5153	642736.2	4164948.9	Worker	Scenario 3	5.52E-02	1.31E-04	1.39E-03
5154	642836.2	4164948.9	Worker	Scenario 3	5.53E-02	1.32E-04	1.68E-03
5155	642936.2	4164948.9	Worker	Scenario 3	5.98E-02	1.43E-04	2.45E-03
5156	643036.2	4164948.9	Worker	Scenario 3	6.46E-02	1.55E-04	2.90E-03
5157	643136.2	4164948.9	Worker	Scenario 3	8.14E-02	1.96E-04	4.00E-03
5158	643236.2	4164948.9	Worker	Scenario 3	8.49E-02	2.04E-04	4.46E-03
5159	643336.2	4164948.9	Worker	Scenario 3	8.97E-02	2.15E-04	4.80E-03
5160	643436.2	4164948.9	Worker	Scenario 3	9.26E-02	2.21E-04	3.90E-03
5161	643536.2	4164948.9	Worker	Scenario 3	9.51E-02	2.25E-04	3.75E-03
5162	643736.2	4164948.9	Worker	Scenario 3	9.89E-02	2.33E-04	4.58E-03
5163	643836.2	4164948.9	Worker	Scenario 3	1.01E-01	2.37E-04	4.12E-03
5164	643936.2	4164948.9	Worker	Scenario 3	1.03E-01	2.40E-04	3.99E-03
5165	644036.2	4164948.9	Worker	Scenario 3	1.04E-01	2.41E-04	3.38E-03
5166	644136.2	4164948.9	Worker	Scenario 3	1.04E-01	2.40E-04	3.24E-03
5167	644236.2	4164948.9	Worker	Scenario 3	1.04E-01	2.40E-04	2.71E-03
5168	644336.2	4164948.9	Worker	Scenario 3	1.05E-01	2.41E-04	2.56E-03
5169	644436.2	4164948.9	Worker	Scenario 3	1.05E-01	2.41E-04	2.54E-03
5170	644536.2	4164948.9	Worker	Scenario 3	1.06E-01	2.42E-04	2.64E-03
5171	644736.2	4164948.9	Worker	Scenario 3	1.07E-01	2.43E-04	2.85E-03
5172	644836.2	4164948.9	Worker	Scenario 3	1.07E-01	2.43E-04	2.59E-03
5173	644936.2	4164948.9	Worker	Scenario 3	1.04E-01	2.37E-04	2.72E-03
5174	645036.2	4164948.9	Worker	Scenario 3	1.06E-01	2.41E-04	1.95E-03
5175	645136.2	4164948.9	Worker	Scenario 3	1.06E-01	2.41E-04	1.83E-03
5176	645236.2	4164948.9	Worker	Scenario 3	1.05E-01	2.39E-04	1.76E-03
5177	645336.2	4164948.9	Worker	Scenario 3	1.05E-01	2.38E-04	1.24E-03
5178	645436.2	4164948.9	Worker	Scenario 3	1.04E-01	2.36E-04	1.24E-03
5179	645536.2	4164948.9	Worker	Scenario 3	1.06E-01	2.40E-04	1.27E-03
5180	645636.2	4164948.9	Worker	Scenario 3	1.05E-01	2.37E-04	1.25E-03
5181	645736.2	4164948.9	Worker	Scenario 3	1.04E-01	2.35E-04	1.26E-03
5182	645836.2	4164948.9	Worker	Scenario 3	1.03E-01	2.32E-04	1.22E-03
5183	639836.2	4165048.9	Worker	Scenario 3	2.02E-02	4.64E-05	5.61E-04
5184	639936.2	4165048.9	Worker	Scenario 3	1.98E-02	4.55E-05	5.95E-04
5185	640036.2	4165048.9	Worker	Scenario 3	2.10E-02	4.82E-05	7.41E-04
5186	640136.2	4165048.9	Worker	Scenario 3	2.18E-02	5.01E-05	8.43E-04
5187	640236.2	4165048.9	Worker	Scenario 3	2.43E-02	5.61E-05	1.28E-03
5188	640336.2	4165048.9	Worker	Scenario 3	3.08E-02	7.23E-05	2.57E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5189	640436.2	4165048.9	Worker	Scenario 3	3.33E-02	7.87E-05	3.31E-03
5190	640536.2	4165048.9	Worker	Scenario 3	2.40E-02	5.54E-05	8.10E-04
5191	640636.2	4165048.9	Worker	Scenario 3	2.45E-02	5.67E-05	8.57E-04
5192	640736.2	4165048.9	Worker	Scenario 3	2.47E-02	5.71E-05	1.09E-03
5193	640836.2	4165048.9	Worker	Scenario 3	2.59E-02	5.96E-05	1.01E-03
5194	640936.2	4165048.9	Worker	Scenario 3	2.95E-02	6.85E-05	2.30E-03
5195	641036.2	4165048.9	Worker	Scenario 3	2.69E-02	6.17E-05	1.14E-03
5196	641136.2	4165048.9	Worker	Scenario 3	2.77E-02	6.34E-05	1.48E-03
5197	641236.2	4165048.9	Worker	Scenario 3	2.96E-02	6.76E-05	9.34E-04
5198	641336.2	4165048.9	Worker	Scenario 3	3.00E-02	6.82E-05	7.66E-04
5199	641436.2	4165048.9	Worker	Scenario 3	3.45E-02	7.90E-05	1.88E-03
5200	641536.2	4165048.9	Worker	Scenario 3	3.40E-02	7.81E-05	1.82E-03
5201	641636.2	4165048.9	Worker	Scenario 3	3.36E-02	7.75E-05	8.09E-04
5202	641736.2	4165048.9	Worker	Scenario 3	3.52E-02	8.14E-05	9.83E-04
5203	641836.2	4165048.9	Worker	Scenario 3	3.79E-02	8.84E-05	1.14E-03
5204	641936.2	4165048.9	Worker	Scenario 3	4.68E-02	1.11E-04	1.95E-03
5205	642036.2	4165048.9	Worker	Scenario 3	4.85E-02	1.14E-04	2.24E-03
5206	642136.2	4165048.9	Worker	Scenario 3	5.07E-02	1.20E-04	2.25E-03
5207	642236.2	4165048.9	Worker	Scenario 3	4.58E-02	1.08E-04	1.00E-03
5208	642336.2	4165048.9	Worker	Scenario 3	4.83E-02	1.14E-04	1.21E-03
5209	642436.2	4165048.9	Worker	Scenario 3	5.22E-02	1.23E-04	1.78E-03
5210	642536.2	4165048.9	Worker	Scenario 3	6.48E-02	1.54E-04	3.15E-03
5211	642636.2	4165048.9	Worker	Scenario 3	7.06E-02	1.68E-04	3.34E-03
5212	642736.2	4165048.9	Worker	Scenario 3	6.50E-02	1.55E-04	2.50E-03
5213	642836.2	4165048.9	Worker	Scenario 3	6.05E-02	1.45E-04	2.17E-03
5214	642936.2	4165048.9	Worker	Scenario 3	6.51E-02	1.56E-04	2.68E-03
5215	643036.2	4165048.9	Worker	Scenario 3	7.89E-02	1.90E-04	3.76E-03
5216	643136.2	4165048.9	Worker	Scenario 3	8.70E-02	2.10E-04	4.62E-03
5217	643236.2	4165048.9	Worker	Scenario 3	9.65E-02	2.32E-04	5.20E-03
5218	643336.2	4165048.9	Worker	Scenario 3	9.74E-02	2.33E-04	4.32E-03
5219	643436.2	4165048.9	Worker	Scenario 3	1.01E-01	2.40E-04	3.99E-03
5220	643636.2	4165048.9	Worker	Scenario 3	1.04E-01	2.46E-04	4.87E-03
5221	643736.2	4165048.9	Worker	Scenario 3	1.06E-01	2.49E-04	4.40E-03
5222	643836.2	4165048.9	Worker	Scenario 3	1.09E-01	2.54E-04	4.20E-03
5223	643936.2	4165048.9	Worker	Scenario 3	1.10E-01	2.56E-04	3.50E-03
5224	644036.2	4165048.9	Worker	Scenario 3	1.10E-01	2.55E-04	3.36E-03
5225	644136.2	4165048.9	Worker	Scenario 3	1.10E-01	2.55E-04	2.76E-03
5226	644236.2	4165048.9	Worker	Scenario 3	1.11E-01	2.54E-04	2.81E-03
5227	644336.2	4165048.9	Worker	Scenario 3	1.11E-01	2.55E-04	2.70E-03
5228	644436.2	4165048.9	Worker	Scenario 3	1.12E-01	2.56E-04	2.94E-03
5229	644536.2	4165048.9	Worker	Scenario 3	1.12E-01	2.57E-04	3.09E-03
5230	644736.2	4165048.9	Worker	Scenario 3	1.13E-01	2.58E-04	2.59E-03
5231	644836.2	4165048.9	Worker	Scenario 3	1.14E-01	2.58E-04	2.06E-03
5232	644936.2	4165048.9	Worker	Scenario 3	1.13E-01	2.57E-04	1.97E-03
5233	645036.2	4165048.9	Worker	Scenario 3	1.13E-01	2.56E-04	1.85E-03
5234	645136.2	4165048.9	Worker	Scenario 3	1.12E-01	2.55E-04	1.66E-03
5235	645236.2	4165048.9	Worker	Scenario 3	1.11E-01	2.52E-04	1.78E-03
5236	645336.2	4165048.9	Worker	Scenario 3	1.14E-01	2.57E-04	1.34E-03
5237	645436.2	4165048.9	Worker	Scenario 3	1.13E-01	2.55E-04	1.34E-03
5238	645536.2	4165048.9	Worker	Scenario 3	1.12E-01	2.52E-04	1.34E-03
5239	645636.2	4165048.9	Worker	Scenario 3	1.10E-01	2.49E-04	1.31E-03
5240	645736.2	4165048.9	Worker	Scenario 3	1.09E-01	2.46E-04	1.28E-03
5241	646036.2	4165048.9	Worker	Scenario 3	1.04E-01	2.34E-04	1.16E-03
5242	639736.2	4165148.9	Worker	Scenario 3	2.00E-02	4.59E-05	5.92E-04
5243	639836.2	4165148.9	Worker	Scenario 3	2.11E-02	4.85E-05	5.89E-04
5244	639936.2	4165148.9	Worker	Scenario 3	2.05E-02	4.69E-05	4.90E-04
5245	640036.2	4165148.9	Worker	Scenario 3	2.12E-02	4.85E-05	6.76E-04
5246	640136.2	4165148.9	Worker	Scenario 3	2.25E-02	5.18E-05	8.02E-04
5247	640236.2	4165148.9	Worker	Scenario 3	2.36E-02	5.43E-05	9.45E-04
5248	640336.2	4165148.9	Worker	Scenario 3	2.92E-02	6.82E-05	2.25E-03
5249	640436.2	4165148.9	Worker	Scenario 3	3.67E-02	8.68E-05	3.87E-03
5250	640536.2	4165148.9	Worker	Scenario 3	2.62E-02	6.07E-05	1.43E-03
5251	640636.2	4165148.9	Worker	Scenario 3	2.61E-02	6.07E-05	1.78E-03
5252	640736.2	4165148.9	Worker	Scenario 3	2.58E-02	5.97E-05	9.21E-04
5253	640836.2	4165148.9	Worker	Scenario 3	2.69E-02	6.20E-05	1.26E-03
5254	640936.2	4165148.9	Worker	Scenario 3	3.12E-02	7.26E-05	2.17E-03
5255	641036.2	4165148.9	Worker	Scenario 3	2.82E-02	6.48E-05	1.25E-03
5256	641136.2	4165148.9	Worker	Scenario 3	2.90E-02	6.65E-05	1.48E-03
5257	641236.2	4165148.9	Worker	Scenario 3	3.02E-02	6.90E-05	1.04E-03
5258	641336.2	4165148.9	Worker	Scenario 3	3.30E-02	7.54E-05	1.56E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5259	641436.2	4165148.9	Worker	Scenario 3	3.39E-02	7.76E-05	1.96E-03
5260	641536.2	4165148.9	Worker	Scenario 3	3.61E-02	8.31E-05	1.87E-03
5261	641636.2	4165148.9	Worker	Scenario 3	3.59E-02	8.30E-05	8.89E-04
5262	641736.2	4165148.9	Worker	Scenario 3	3.76E-02	8.72E-05	1.03E-03
5263	641836.2	4165148.9	Worker	Scenario 3	3.95E-02	9.24E-05	1.25E-03
5264	641936.2	4165148.9	Worker	Scenario 3	4.35E-02	1.02E-04	1.50E-03
5265	642036.2	4165148.9	Worker	Scenario 3	5.35E-02	1.27E-04	2.78E-03
5266	642136.2	4165148.9	Worker	Scenario 3	6.28E-02	1.49E-04	3.23E-03
5267	642236.2	4165148.9	Worker	Scenario 3	5.01E-02	1.18E-04	1.31E-03
5268	642336.2	4165148.9	Worker	Scenario 3	5.21E-02	1.23E-04	1.22E-03
5269	642436.2	4165148.9	Worker	Scenario 3	5.49E-02	1.30E-04	1.24E-03
5270	642536.2	4165148.9	Worker	Scenario 3	5.75E-02	1.36E-04	9.81E-04
5271	642636.2	4165148.9	Worker	Scenario 3	6.86E-02	1.64E-04	2.15E-03
5272	642736.2	4165148.9	Worker	Scenario 3	7.73E-02	1.86E-04	3.75E-03
5273	642836.2	4165148.9	Worker	Scenario 3	6.66E-02	1.60E-04	2.31E-03
5274	642936.2	4165148.9	Worker	Scenario 3	7.23E-02	1.75E-04	2.97E-03
5275	643036.2	4165148.9	Worker	Scenario 3	8.83E-02	2.14E-04	4.29E-03
5276	643136.2	4165148.9	Worker	Scenario 3	9.66E-02	2.34E-04	4.89E-03
5277	643236.2	4165148.9	Worker	Scenario 3	1.01E-01	2.44E-04	4.84E-03
5278	643336.2	4165148.9	Worker	Scenario 3	1.07E-01	2.56E-04	4.39E-03
5279	643536.2	4165148.9	Worker	Scenario 3	1.11E-01	2.63E-04	5.18E-03
5280	643636.2	4165148.9	Worker	Scenario 3	1.14E-01	2.68E-04	4.59E-03
5281	643736.2	4165148.9	Worker	Scenario 3	1.17E-01	2.73E-04	4.29E-03
5282	643836.2	4165148.9	Worker	Scenario 3	1.17E-01	2.73E-04	3.59E-03
5283	643936.2	4165148.9	Worker	Scenario 3	1.17E-01	2.72E-04	3.46E-03
5284	644036.2	4165148.9	Worker	Scenario 3	1.17E-01	2.71E-04	2.77E-03
5285	644136.2	4165148.9	Worker	Scenario 3	1.18E-01	2.71E-04	2.94E-03
5286	644236.2	4165148.9	Worker	Scenario 3	1.18E-01	2.71E-04	2.99E-03
5287	644336.2	4165148.9	Worker	Scenario 3	1.19E-01	2.72E-04	3.20E-03
5288	644436.2	4165148.9	Worker	Scenario 3	1.19E-01	2.73E-04	3.33E-03
5289	644536.2	4165148.9	Worker	Scenario 3	1.20E-01	2.73E-04	3.10E-03
5290	644736.2	4165148.9	Worker	Scenario 3	1.21E-01	2.74E-04	2.15E-03
5291	644836.2	4165148.9	Worker	Scenario 3	1.21E-01	2.74E-04	2.09E-03
5292	644936.2	4165148.9	Worker	Scenario 3	1.20E-01	2.73E-04	1.86E-03
5293	645036.2	4165148.9	Worker	Scenario 3	1.20E-01	2.72E-04	1.73E-03
5294	645136.2	4165148.9	Worker	Scenario 3	1.18E-01	2.68E-04	1.90E-03
5295	645236.2	4165148.9	Worker	Scenario 3	1.17E-01	2.66E-04	1.44E-03
5296	645336.2	4165148.9	Worker	Scenario 3	1.20E-01	2.70E-04	1.43E-03
5297	645436.2	4165148.9	Worker	Scenario 3	1.18E-01	2.67E-04	1.41E-03
5298	645536.2	4165148.9	Worker	Scenario 3	1.17E-01	2.64E-04	1.36E-03
5299	645636.2	4165148.9	Worker	Scenario 3	1.16E-01	2.61E-04	1.32E-03
5300	645736.2	4165148.9	Worker	Scenario 3	1.12E-01	2.53E-04	1.25E-03
5301	645936.2	4165148.9	Worker	Scenario 3	1.10E-01	2.49E-04	1.24E-03
5302	646036.2	4165148.9	Worker	Scenario 3	1.09E-01	2.47E-04	1.19E-03
5303	646136.2	4165148.9	Worker	Scenario 3	1.08E-01	2.45E-04	1.12E-03
5304	639636.2	4165248.9	Worker	Scenario 3	1.94E-02	4.44E-05	5.52E-04
5305	639736.2	4165248.9	Worker	Scenario 3	2.01E-02	4.61E-05	4.87E-04
5306	639836.2	4165248.9	Worker	Scenario 3	2.11E-02	4.83E-05	5.75E-04
5307	639936.2	4165248.9	Worker	Scenario 3	2.21E-02	5.07E-05	6.23E-04
5308	640036.2	4165248.9	Worker	Scenario 3	2.19E-02	5.03E-05	5.76E-04
5309	640136.2	4165248.9	Worker	Scenario 3	2.32E-02	5.35E-05	7.60E-04
5310	640236.2	4165248.9	Worker	Scenario 3	2.56E-02	5.92E-05	1.10E-03
5311	640336.2	4165248.9	Worker	Scenario 3	3.01E-02	7.02E-05	2.64E-03
5312	640436.2	4165248.9	Worker	Scenario 3	3.80E-02	9.00E-05	3.61E-03
5313	640536.2	4165248.9	Worker	Scenario 3	3.55E-02	8.37E-05	3.38E-03
5314	640636.2	4165248.9	Worker	Scenario 3	2.65E-02	6.14E-05	8.95E-04
5315	640736.2	4165248.9	Worker	Scenario 3	2.69E-02	6.24E-05	8.28E-04
5316	640836.2	4165248.9	Worker	Scenario 3	2.82E-02	6.53E-05	1.46E-03
5317	640936.2	4165248.9	Worker	Scenario 3	3.35E-02	7.80E-05	2.03E-03
5318	641036.2	4165248.9	Worker	Scenario 3	3.04E-02	7.00E-05	1.32E-03
5319	641136.2	4165248.9	Worker	Scenario 3	3.04E-02	6.99E-05	1.41E-03
5320	641236.2	4165248.9	Worker	Scenario 3	3.32E-02	7.62E-05	1.42E-03
5321	641336.2	4165248.9	Worker	Scenario 3	3.63E-02	8.33E-05	1.58E-03
5322	641436.2	4165248.9	Worker	Scenario 3	3.50E-02	8.01E-05	1.15E-03
5323	641536.2	4165248.9	Worker	Scenario 3	3.96E-02	9.16E-05	1.92E-03
5324	641636.2	4165248.9	Worker	Scenario 3	3.81E-02	8.81E-05	9.51E-04
5325	641736.2	4165248.9	Worker	Scenario 3	4.04E-02	9.42E-05	1.08E-03
5326	641836.2	4165248.9	Worker	Scenario 3	4.24E-02	9.95E-05	1.37E-03
5327	641936.2	4165248.9	Worker	Scenario 3	4.52E-02	1.06E-04	1.58E-03
5328	642036.2	4165248.9	Worker	Scenario 3	5.28E-02	1.25E-04	2.03E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5329	642136.2	4165248.9	Worker	Scenario 3	6.80E-02	1.62E-04	3.35E-03
5330	642236.2	4165248.9	Worker	Scenario 3	6.18E-02	1.47E-04	2.79E-03
5331	642336.2	4165248.9	Worker	Scenario 3	6.16E-02	1.47E-04	2.83E-03
5332	642436.2	4165248.9	Worker	Scenario 3	5.98E-02	1.42E-04	1.15E-03
5333	642536.2	4165248.9	Worker	Scenario 3	6.53E-02	1.56E-04	1.47E-03
5334	642636.2	4165248.9	Worker	Scenario 3	6.84E-02	1.64E-04	2.30E-03
5335	642736.2	4165248.9	Worker	Scenario 3	9.65E-02	2.33E-04	5.97E-03
5336	642836.2	4165248.9	Worker	Scenario 3	7.45E-02	1.80E-04	2.90E-03
5337	642936.2	4165248.9	Worker	Scenario 3	8.35E-02	2.03E-04	3.39E-03
5338	643036.2	4165248.9	Worker	Scenario 3	9.95E-02	2.42E-04	4.75E-03
5339	643136.2	4165248.9	Worker	Scenario 3	1.06E-01	2.56E-04	5.38E-03
5340	643436.2	4165248.9	Worker	Scenario 3	1.21E-01	2.87E-04	5.39E-03
5341	643536.2	4165248.9	Worker	Scenario 3	1.24E-01	2.91E-04	4.65E-03
5342	643636.2	4165248.9	Worker	Scenario 3	1.25E-01	2.93E-04	4.36E-03
5343	643736.2	4165248.9	Worker	Scenario 3	1.25E-01	2.92E-04	3.71E-03
5344	643836.2	4165248.9	Worker	Scenario 3	1.25E-01	2.91E-04	3.50E-03
5345	643936.2	4165248.9	Worker	Scenario 3	1.25E-01	2.89E-04	2.91E-03
5346	644036.2	4165248.9	Worker	Scenario 3	1.25E-01	2.89E-04	3.02E-03
5347	644136.2	4165248.9	Worker	Scenario 3	1.26E-01	2.89E-04	3.22E-03
5348	644236.2	4165248.9	Worker	Scenario 3	1.26E-01	2.90E-04	3.47E-03
5349	644336.2	4165248.9	Worker	Scenario 3	1.27E-01	2.91E-04	3.50E-03
5350	644436.2	4165248.9	Worker	Scenario 3	1.28E-01	2.92E-04	3.11E-03
5351	644536.2	4165248.9	Worker	Scenario 3	1.28E-01	2.92E-04	2.50E-03
5352	644736.2	4165248.9	Worker	Scenario 3	1.29E-01	2.92E-04	2.17E-03
5353	644836.2	4165248.9	Worker	Scenario 3	1.28E-01	2.91E-04	1.98E-03
5354	644936.2	4165248.9	Worker	Scenario 3	1.28E-01	2.90E-04	1.83E-03
5355	645036.2	4165248.9	Worker	Scenario 3	1.27E-01	2.88E-04	1.55E-03
5356	645136.2	4165248.9	Worker	Scenario 3	1.25E-01	2.85E-04	1.53E-03
5357	645236.2	4165248.9	Worker	Scenario 3	1.24E-01	2.82E-04	1.52E-03
5358	645336.2	4165248.9	Worker	Scenario 3	1.23E-01	2.79E-04	1.47E-03
5359	645436.2	4165248.9	Worker	Scenario 3	1.21E-01	2.75E-04	1.43E-03
5360	645536.2	4165248.9	Worker	Scenario 3	1.20E-01	2.72E-04	1.34E-03
5361	645636.2	4165248.9	Worker	Scenario 3	1.18E-01	2.69E-04	1.33E-03
5362	645936.2	4165248.9	Worker	Scenario 3	1.16E-01	2.62E-04	1.18E-03
5363	646036.2	4165248.9	Worker	Scenario 3	1.15E-01	2.60E-04	1.17E-03
5364	646136.2	4165248.9	Worker	Scenario 3	1.14E-01	2.58E-04	1.16E-03
5365	639536.2	4165348.9	Worker	Scenario 3	1.95E-02	4.44E-05	6.64E-04
5366	639636.2	4165348.9	Worker	Scenario 3	2.06E-02	4.71E-05	6.48E-04
5367	639736.2	4165348.9	Worker	Scenario 3	2.05E-02	4.70E-05	5.62E-04
5368	639836.2	4165348.9	Worker	Scenario 3	2.16E-02	4.96E-05	6.19E-04
5369	639936.2	4165348.9	Worker	Scenario 3	2.36E-02	5.44E-05	7.02E-04
5370	640036.2	4165348.9	Worker	Scenario 3	2.26E-02	5.17E-05	5.07E-04
5371	640136.2	4165348.9	Worker	Scenario 3	2.37E-02	5.44E-05	6.69E-04
5372	640236.2	4165348.9	Worker	Scenario 3	2.52E-02	5.81E-05	8.55E-04
5373	640336.2	4165348.9	Worker	Scenario 3	2.74E-02	6.35E-05	1.15E-03
5374	640436.2	4165348.9	Worker	Scenario 3	3.67E-02	8.66E-05	3.35E-03
5375	640536.2	4165348.9	Worker	Scenario 3	4.29E-02	1.02E-04	4.57E-03
5376	640636.2	4165348.9	Worker	Scenario 3	3.03E-02	7.07E-05	1.65E-03
5377	640736.2	4165348.9	Worker	Scenario 3	2.84E-02	6.61E-05	9.48E-04
5378	640836.2	4165348.9	Worker	Scenario 3	3.05E-02	7.08E-05	1.62E-03
5379	640936.2	4165348.9	Worker	Scenario 3	3.59E-02	8.40E-05	2.14E-03
5380	641036.2	4165348.9	Worker	Scenario 3	3.11E-02	7.16E-05	1.37E-03
5381	641136.2	4165348.9	Worker	Scenario 3	3.19E-02	7.34E-05	1.27E-03
5382	641236.2	4165348.9	Worker	Scenario 3	3.37E-02	7.73E-05	1.54E-03
5383	641336.2	4165348.9	Worker	Scenario 3	3.77E-02	8.65E-05	1.61E-03
5384	641436.2	4165348.9	Worker	Scenario 3	4.22E-02	9.71E-05	2.07E-03
5385	641536.2	4165348.9	Worker	Scenario 3	4.37E-02	1.01E-04	2.36E-03
5386	641636.2	4165348.9	Worker	Scenario 3	4.13E-02	9.60E-05	1.40E-03
5387	641736.2	4165348.9	Worker	Scenario 3	4.36E-02	1.02E-04	1.12E-03
5388	641836.2	4165348.9	Worker	Scenario 3	4.61E-02	1.09E-04	1.48E-03
5389	641936.2	4165348.9	Worker	Scenario 3	4.89E-02	1.15E-04	1.64E-03
5390	642036.2	4165348.9	Worker	Scenario 3	5.30E-02	1.25E-04	1.41E-03
5391	642136.2	4165348.9	Worker	Scenario 3	6.07E-02	1.44E-04	1.71E-03
5392	642236.2	4165348.9	Worker	Scenario 3	8.41E-02	2.01E-04	5.73E-03
5393	642336.2	4165348.9	Worker	Scenario 3	6.93E-02	1.66E-04	3.07E-03
5394	642436.2	4165348.9	Worker	Scenario 3	6.71E-02	1.60E-04	1.22E-03
5395	642536.2	4165348.9	Worker	Scenario 3	7.63E-02	1.83E-04	2.33E-03
5396	642636.2	4165348.9	Worker	Scenario 3	7.61E-02	1.84E-04	3.16E-03
5397	642736.2	4165348.9	Worker	Scenario 3	8.97E-02	2.18E-04	4.28E-03
5398	642836.2	4165348.9	Worker	Scenario 3	1.01E-01	2.47E-04	4.98E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5399	642936.2	4165348.9	Worker	Scenario 3	9.53E-02	2.32E-04	3.86E-03
5400	643036.2	4165348.9	Worker	Scenario 3	1.11E-01	2.71E-04	5.82E-03
5401	643236.2	4165348.9	Worker	Scenario 3	1.30E-01	3.10E-04	4.97E-03
5402	643336.2	4165348.9	Worker	Scenario 3	1.32E-01	3.13E-04	5.42E-03
5403	643436.2	4165348.9	Worker	Scenario 3	1.33E-01	3.14E-04	4.71E-03
5404	643536.2	4165348.9	Worker	Scenario 3	1.34E-01	3.14E-04	4.46E-03
5405	643636.2	4165348.9	Worker	Scenario 3	1.34E-01	3.13E-04	3.84E-03
5406	643736.2	4165348.9	Worker	Scenario 3	1.34E-01	3.12E-04	3.56E-03
5407	643836.2	4165348.9	Worker	Scenario 3	1.34E-01	3.11E-04	3.07E-03
5408	643936.2	4165348.9	Worker	Scenario 3	1.34E-01	3.10E-04	3.11E-03
5409	644036.2	4165348.9	Worker	Scenario 3	1.35E-01	3.10E-04	3.42E-03
5410	644136.2	4165348.9	Worker	Scenario 3	1.35E-01	3.10E-04	3.72E-03
5411	644236.2	4165348.9	Worker	Scenario 3	1.36E-01	3.11E-04	3.60E-03
5412	644336.2	4165348.9	Worker	Scenario 3	1.36E-01	3.12E-04	3.04E-03
5413	644436.2	4165348.9	Worker	Scenario 3	1.37E-01	3.13E-04	2.50E-03
5414	644536.2	4165348.9	Worker	Scenario 3	1.37E-01	3.13E-04	2.45E-03
5415	644736.2	4165348.9	Worker	Scenario 3	1.37E-01	3.12E-04	2.13E-03
5416	644836.2	4165348.9	Worker	Scenario 3	1.37E-01	3.11E-04	1.92E-03
5417	644936.2	4165348.9	Worker	Scenario 3	1.36E-01	3.08E-04	1.64E-03
5418	645036.2	4165348.9	Worker	Scenario 3	1.35E-01	3.06E-04	1.64E-03
5419	645136.2	4165348.9	Worker	Scenario 3	1.33E-01	3.02E-04	1.58E-03
5420	645236.2	4165348.9	Worker	Scenario 3	1.32E-01	2.98E-04	1.55E-03
5421	645336.2	4165348.9	Worker	Scenario 3	1.30E-01	2.95E-04	1.45E-03
5422	645436.2	4165348.9	Worker	Scenario 3	1.28E-01	2.91E-04	1.43E-03
5423	645536.2	4165348.9	Worker	Scenario 3	1.27E-01	2.88E-04	1.42E-03
5424	645636.2	4165348.9	Worker	Scenario 3	1.26E-01	2.85E-04	1.36E-03
5425	639436.2	4165448.9	Worker	Scenario 3	1.96E-02	4.45E-05	5.16E-04
5426	639536.2	4165448.9	Worker	Scenario 3	2.07E-02	4.73E-05	6.28E-04
5427	639636.2	4165448.9	Worker	Scenario 3	2.16E-02	4.94E-05	6.88E-04
5428	639736.2	4165448.9	Worker	Scenario 3	2.13E-02	4.88E-05	6.70E-04
5429	639836.2	4165448.9	Worker	Scenario 3	2.20E-02	5.04E-05	5.80E-04
5430	639936.2	4165448.9	Worker	Scenario 3	2.43E-02	5.61E-05	9.03E-04
5431	640036.2	4165448.9	Worker	Scenario 3	2.39E-02	5.48E-05	6.33E-04
5432	640136.2	4165448.9	Worker	Scenario 3	2.43E-02	5.57E-05	5.57E-04
5433	640236.2	4165448.9	Worker	Scenario 3	2.60E-02	6.00E-05	7.70E-04
5434	640336.2	4165448.9	Worker	Scenario 3	2.76E-02	6.39E-05	1.04E-03
5435	640436.2	4165448.9	Worker	Scenario 3	3.47E-02	8.14E-05	3.20E-03
5436	640536.2	4165448.9	Worker	Scenario 3	4.56E-02	1.09E-04	4.44E-03
5437	640636.2	4165448.9	Worker	Scenario 3	3.68E-02	8.68E-05	3.09E-03
5438	640736.2	4165448.9	Worker	Scenario 3	2.98E-02	6.92E-05	9.88E-04
5439	640836.2	4165448.9	Worker	Scenario 3	3.24E-02	7.56E-05	1.58E-03
5440	640936.2	4165448.9	Worker	Scenario 3	3.55E-02	8.27E-05	1.86E-03
5441	641036.2	4165448.9	Worker	Scenario 3	3.28E-02	7.59E-05	1.36E-03
5442	641136.2	4165448.9	Worker	Scenario 3	3.37E-02	7.78E-05	1.20E-03
5443	641236.2	4165448.9	Worker	Scenario 3	3.51E-02	8.07E-05	1.70E-03
5444	641336.2	4165448.9	Worker	Scenario 3	3.67E-02	8.41E-05	8.24E-04
5445	641436.2	4165448.9	Worker	Scenario 3	4.04E-02	9.30E-05	2.17E-03
5446	641536.2	4165448.9	Worker	Scenario 3	5.19E-02	1.21E-04	3.92E-03
5447	641636.2	4165448.9	Worker	Scenario 3	4.97E-02	1.17E-04	2.34E-03
5448	641736.2	4165448.9	Worker	Scenario 3	4.64E-02	1.09E-04	1.20E-03
5449	641836.2	4165448.9	Worker	Scenario 3	5.17E-02	1.23E-04	1.60E-03
5450	641936.2	4165448.9	Worker	Scenario 3	5.41E-02	1.28E-04	1.67E-03
5451	642036.2	4165448.9	Worker	Scenario 3	5.95E-02	1.41E-04	1.53E-03
5452	642136.2	4165448.9	Worker	Scenario 3	6.14E-02	1.46E-04	1.64E-03
5453	642236.2	4165448.9	Worker	Scenario 3	7.94E-02	1.91E-04	4.82E-03
5454	642336.2	4165448.9	Worker	Scenario 3	9.22E-02	2.21E-04	5.15E-03
5455	642436.2	4165448.9	Worker	Scenario 3	8.00E-02	1.92E-04	2.23E-03
5456	642536.2	4165448.9	Worker	Scenario 3	8.40E-02	2.03E-04	3.39E-03
5457	642636.2	4165448.9	Worker	Scenario 3	9.90E-02	2.41E-04	4.62E-03
5458	642736.2	4165448.9	Worker	Scenario 3	9.26E-02	2.26E-04	3.90E-03
5459	642836.2	4165448.9	Worker	Scenario 3	1.23E-01	3.00E-04	6.88E-03
5460	642936.2	4165448.9	Worker	Scenario 3	1.26E-01	3.07E-04	6.71E-03
5461	643136.2	4165448.9	Worker	Scenario 3	1.40E-01	3.35E-04	5.00E-03
5462	643236.2	4165448.9	Worker	Scenario 3	1.42E-01	3.40E-04	5.33E-03
5463	643336.2	4165448.9	Worker	Scenario 3	1.44E-01	3.41E-04	4.74E-03
5464	643436.2	4165448.9	Worker	Scenario 3	1.44E-01	3.39E-04	4.50E-03
5465	643536.2	4165448.9	Worker	Scenario 3	1.44E-01	3.38E-04	3.95E-03
5466	643636.2	4165448.9	Worker	Scenario 3	1.45E-01	3.36E-04	3.58E-03
5467	643736.2	4165448.9	Worker	Scenario 3	1.45E-01	3.35E-04	3.16E-03
5468	643836.2	4165448.9	Worker	Scenario 3	1.44E-01	3.34E-04	3.30E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5469	643936.2	4165448.9	Worker	Scenario 3	1.45E-01	3.34E-04	3.57E-03
5470	644036.2	4165448.9	Worker	Scenario 3	1.45E-01	3.34E-04	3.81E-03
5471	644136.2	4165448.9	Worker	Scenario 3	1.46E-01	3.34E-04	3.54E-03
5472	644236.2	4165448.9	Worker	Scenario 3	1.46E-01	3.35E-04	2.98E-03
5473	644336.2	4165448.9	Worker	Scenario 3	1.47E-01	3.37E-04	2.62E-03
5474	644436.2	4165448.9	Worker	Scenario 3	1.56E-01	3.54E-04	1.93E-03
5475	644536.2	4165448.9	Worker	Scenario 3	1.56E-01	3.53E-04	1.72E-03
5476	644636.2	4165448.9	Worker	Scenario 3	1.48E-01	3.36E-04	2.17E-03
5477	644736.2	4165448.9	Worker	Scenario 3	1.50E-01	3.41E-04	1.77E-03
5478	644836.2	4165448.9	Worker	Scenario 3	1.44E-01	3.28E-04	2.47E-03
5479	644936.2	4165448.9	Worker	Scenario 3	1.42E-01	3.24E-04	2.65E-03
5480	645036.2	4165448.9	Worker	Scenario 3	1.43E-01	3.25E-04	1.67E-03
5481	645136.2	4165448.9	Worker	Scenario 3	1.44E-01	3.25E-04	1.56E-03
5482	645236.2	4165448.9	Worker	Scenario 3	1.44E-01	3.25E-04	1.53E-03
5483	645336.2	4165448.9	Worker	Scenario 3	1.44E-01	3.25E-04	1.50E-03
5484	645436.2	4165448.9	Worker	Scenario 3	1.41E-01	3.18E-04	1.40E-03
5485	645536.2	4165448.9	Worker	Scenario 3	1.37E-01	3.09E-04	1.27E-03
5486	645636.2	4165448.9	Worker	Scenario 3	1.35E-01	3.05E-04	1.28E-03
5487	645936.2	4165448.9	Worker	Scenario 3	1.30E-01	2.94E-04	1.17E-03
5488	646036.2	4165448.9	Worker	Scenario 3	1.29E-01	2.91E-04	1.08E-03
5489	646136.2	4165448.9	Worker	Scenario 3	1.27E-01	2.88E-04	1.01E-03
5490	646336.2	4165448.9	Worker	Scenario 3	1.25E-01	2.83E-04	8.62E-04
5491	646436.2	4165448.9	Worker	Scenario 3	1.24E-01	2.81E-04	9.03E-04
5492	639436.2	4165548.9	Worker	Scenario 3	2.08E-02	4.73E-05	4.12E-04
5493	639536.2	4165548.9	Worker	Scenario 3	2.12E-02	4.82E-05	5.31E-04
5494	639636.2	4165548.9	Worker	Scenario 3	2.29E-02	5.24E-05	6.52E-04
5495	639736.2	4165548.9	Worker	Scenario 3	2.27E-02	5.19E-05	7.17E-04
5496	639836.2	4165548.9	Worker	Scenario 3	2.36E-02	5.41E-05	7.46E-04
5497	639936.2	4165548.9	Worker	Scenario 3	2.56E-02	5.90E-05	7.80E-04
5498	640036.2	4165548.9	Worker	Scenario 3	2.50E-02	5.75E-05	8.05E-04
5499	640136.2	4165548.9	Worker	Scenario 3	2.50E-02	5.75E-05	5.09E-04
5500	640236.2	4165548.9	Worker	Scenario 3	2.63E-02	6.06E-05	6.58E-04
5501	640336.2	4165548.9	Worker	Scenario 3	2.90E-02	6.70E-05	9.99E-04
5502	640436.2	4165548.9	Worker	Scenario 3	3.07E-02	7.12E-05	1.19E-03
5503	640536.2	4165548.9	Worker	Scenario 3	4.63E-02	1.10E-04	4.34E-03
5504	640636.2	4165548.9	Worker	Scenario 3	4.14E-02	9.80E-05	3.58E-03
5505	640736.2	4165548.9	Worker	Scenario 3	3.31E-02	7.71E-05	1.91E-03
5506	640836.2	4165548.9	Worker	Scenario 3	3.50E-02	8.21E-05	1.98E-03
5507	640936.2	4165548.9	Worker	Scenario 3	3.72E-02	8.71E-05	2.21E-03
5508	641036.2	4165548.9	Worker	Scenario 3	3.50E-02	8.10E-05	1.29E-03
5509	641136.2	4165548.9	Worker	Scenario 3	3.64E-02	8.41E-05	1.35E-03
5510	641236.2	4165548.9	Worker	Scenario 3	3.79E-02	8.74E-05	2.07E-03
5511	641336.2	4165548.9	Worker	Scenario 3	3.93E-02	9.01E-05	8.55E-04
5512	641436.2	4165548.9	Worker	Scenario 3	4.14E-02	9.52E-05	1.21E-03
5513	641536.2	4165548.9	Worker	Scenario 3	4.73E-02	1.10E-04	2.12E-03
5514	641636.2	4165548.9	Worker	Scenario 3	5.70E-02	1.35E-04	3.47E-03
5515	641736.2	4165548.9	Worker	Scenario 3	5.07E-02	1.20E-04	1.42E-03
5516	641836.2	4165548.9	Worker	Scenario 3	5.47E-02	1.30E-04	1.72E-03
5517	641936.2	4165548.9	Worker	Scenario 3	6.18E-02	1.47E-04	1.94E-03
5518	642036.2	4165548.9	Worker	Scenario 3	6.56E-02	1.57E-04	1.63E-03
5519	642136.2	4165548.9	Worker	Scenario 3	6.95E-02	1.66E-04	2.14E-03
5520	642236.2	4165548.9	Worker	Scenario 3	7.64E-02	1.84E-04	3.07E-03
5521	642336.2	4165548.9	Worker	Scenario 3	1.19E-01	2.84E-04	6.38E-03
5522	642436.2	4165548.9	Worker	Scenario 3	9.18E-02	2.22E-04	3.11E-03
5523	642536.2	4165548.9	Worker	Scenario 3	1.09E-01	2.66E-04	5.53E-03
5524	642636.2	4165548.9	Worker	Scenario 3	1.06E-01	2.60E-04	4.90E-03
5525	642736.2	4165548.9	Worker	Scenario 3	1.29E-01	3.14E-04	6.82E-03
5526	643036.2	4165548.9	Worker	Scenario 3	1.50E-01	3.63E-04	5.05E-03
5527	643136.2	4165548.9	Worker	Scenario 3	1.53E-01	3.68E-04	5.29E-03
5528	643236.2	4165548.9	Worker	Scenario 3	1.55E-01	3.69E-04	4.62E-03
5529	643336.2	4165548.9	Worker	Scenario 3	1.56E-01	3.68E-04	4.44E-03
5530	643436.2	4165548.9	Worker	Scenario 3	1.56E-01	3.65E-04	4.04E-03
5531	643536.2	4165548.9	Worker	Scenario 3	1.56E-01	3.64E-04	3.55E-03
5532	643636.2	4165548.9	Worker	Scenario 3	1.56E-01	3.63E-04	3.19E-03
5533	643736.2	4165548.9	Worker	Scenario 3	1.56E-01	3.62E-04	3.43E-03
5534	643836.2	4165548.9	Worker	Scenario 3	1.56E-01	3.61E-04	3.83E-03
5535	643936.2	4165548.9	Worker	Scenario 3	1.57E-01	3.61E-04	3.87E-03
5536	644036.2	4165548.9	Worker	Scenario 3	1.57E-01	3.62E-04	3.35E-03
5537	644136.2	4165548.9	Worker	Scenario 3	1.72E-01	3.91E-04	2.13E-03
5538	644236.2	4165548.9	Worker	Scenario 3	1.72E-01	3.91E-04	2.09E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5539	644336.2	4165548.9	Worker	Scenario 3	1.72E-01	3.90E-04	1.92E-03
5540	644436.2	4165548.9	Worker	Scenario 3	1.72E-01	3.89E-04	1.84E-03
5541	644536.2	4165548.9	Worker	Scenario 3	1.69E-01	3.82E-04	1.90E-03
5542	644636.2	4165548.9	Worker	Scenario 3	1.59E-01	3.62E-04	1.92E-03
5543	644736.2	4165548.9	Worker	Scenario 3	1.60E-01	3.62E-04	1.68E-03
5544	644836.2	4165548.9	Worker	Scenario 3	1.60E-01	3.61E-04	1.67E-03
5545	644936.2	4165548.9	Worker	Scenario 3	1.60E-01	3.61E-04	1.69E-03
5546	645036.2	4165548.9	Worker	Scenario 3	1.52E-01	3.45E-04	1.66E-03
5547	645136.2	4165548.9	Worker	Scenario 3	1.50E-01	3.41E-04	1.65E-03
5548	645236.2	4165548.9	Worker	Scenario 3	1.50E-01	3.38E-04	1.43E-03
5549	645336.2	4165548.9	Worker	Scenario 3	1.47E-01	3.33E-04	1.34E-03
5550	645436.2	4165548.9	Worker	Scenario 3	1.47E-01	3.32E-04	1.37E-03
5551	645536.2	4165548.9	Worker	Scenario 3	1.45E-01	3.27E-04	1.33E-03
5552	645636.2	4165548.9	Worker	Scenario 3	1.43E-01	3.22E-04	1.25E-03
5553	645936.2	4165548.9	Worker	Scenario 3	1.38E-01	3.12E-04	1.06E-03
5554	646036.2	4165548.9	Worker	Scenario 3	1.37E-01	3.09E-04	9.70E-04
5555	646136.2	4165548.9	Worker	Scenario 3	1.35E-01	3.06E-04	9.62E-04
5556	646336.2	4165548.9	Worker	Scenario 3	1.33E-01	3.01E-04	1.06E-03
5557	646436.2	4165548.9	Worker	Scenario 3	1.32E-01	2.98E-04	1.08E-03
5558	646536.2	4165548.9	Worker	Scenario 3	1.31E-01	2.95E-04	1.10E-03
5559	639236.2	4165648.9	Worker	Scenario 3	2.16E-02	4.93E-05	7.28E-04
5560	639336.2	4165648.9	Worker	Scenario 3	2.49E-02	5.73E-05	1.86E-03
5561	639436.2	4165648.9	Worker	Scenario 3	2.27E-02	5.19E-05	6.39E-04
5562	639536.2	4165648.9	Worker	Scenario 3	2.17E-02	4.93E-05	4.18E-04
5563	639636.2	4165648.9	Worker	Scenario 3	2.31E-02	5.28E-05	5.46E-04
5564	639736.2	4165648.9	Worker	Scenario 3	2.47E-02	5.65E-05	6.78E-04
5565	639836.2	4165648.9	Worker	Scenario 3	2.64E-02	6.06E-05	1.18E-03
5566	639936.2	4165648.9	Worker	Scenario 3	2.69E-02	6.20E-05	9.49E-04
5567	640036.2	4165648.9	Worker	Scenario 3	2.56E-02	5.89E-05	6.35E-04
5568	640136.2	4165648.9	Worker	Scenario 3	2.65E-02	6.11E-05	7.58E-04
5569	640236.2	4165648.9	Worker	Scenario 3	2.82E-02	6.50E-05	8.20E-04
5570	640336.2	4165648.9	Worker	Scenario 3	3.17E-02	7.34E-05	8.82E-04
5571	640436.2	4165648.9	Worker	Scenario 3	3.80E-02	8.91E-05	3.33E-03
5572	640536.2	4165648.9	Worker	Scenario 3	4.34E-02	1.03E-04	4.39E-03
5573	640636.2	4165648.9	Worker	Scenario 3	5.00E-02	1.20E-04	4.74E-03
5574	640736.2	4165648.9	Worker	Scenario 3	3.37E-02	7.84E-05	1.65E-03
5575	640836.2	4165648.9	Worker	Scenario 3	3.46E-02	8.09E-05	2.14E-03
5576	640936.2	4165648.9	Worker	Scenario 3	4.64E-02	1.10E-04	3.08E-03
5577	641036.2	4165648.9	Worker	Scenario 3	4.01E-02	9.36E-05	2.33E-03
5578	641136.2	4165648.9	Worker	Scenario 3	4.15E-02	9.68E-05	3.01E-03
5579	641236.2	4165648.9	Worker	Scenario 3	4.02E-02	9.28E-05	2.20E-03
5580	641336.2	4165648.9	Worker	Scenario 3	4.47E-02	1.03E-04	1.70E-03
5581	641436.2	4165648.9	Worker	Scenario 3	4.67E-02	1.08E-04	2.35E-03
5582	641536.2	4165648.9	Worker	Scenario 3	4.92E-02	1.14E-04	2.21E-03
5583	641636.2	4165648.9	Worker	Scenario 3	7.04E-02	1.69E-04	5.10E-03
5584	641736.2	4165648.9	Worker	Scenario 3	5.70E-02	1.35E-04	1.74E-03
5585	641836.2	4165648.9	Worker	Scenario 3	6.44E-02	1.54E-04	1.93E-03
5586	641936.2	4165648.9	Worker	Scenario 3	7.46E-02	1.79E-04	3.54E-03
5587	642036.2	4165648.9	Worker	Scenario 3	8.41E-02	2.03E-04	3.76E-03
5588	642136.2	4165648.9	Worker	Scenario 3	9.06E-02	2.19E-04	5.23E-03
5589	642236.2	4165648.9	Worker	Scenario 3	8.51E-02	2.05E-04	2.49E-03
5590	642336.2	4165648.9	Worker	Scenario 3	1.10E-01	2.65E-04	4.90E-03
5591	642436.2	4165648.9	Worker	Scenario 3	1.35E-01	3.26E-04	7.90E-03
5592	642536.2	4165648.9	Worker	Scenario 3	1.27E-01	3.11E-04	6.07E-03
5593	642636.2	4165648.9	Worker	Scenario 3	1.50E-01	3.65E-04	7.13E-03
5594	642836.2	4165648.9	Worker	Scenario 3	1.62E-01	3.94E-04	6.40E-03
5595	642936.2	4165648.9	Worker	Scenario 3	1.62E-01	3.93E-04	5.41E-03
5596	643036.2	4165648.9	Worker	Scenario 3	1.65E-01	3.97E-04	5.78E-03
5597	643136.2	4165648.9	Worker	Scenario 3	1.67E-01	4.00E-04	4.64E-03
5598	643236.2	4165648.9	Worker	Scenario 3	1.69E-01	4.01E-04	4.06E-03
5599	643336.2	4165648.9	Worker	Scenario 3	1.69E-01	3.98E-04	4.00E-03
5600	643436.2	4165648.9	Worker	Scenario 3	1.70E-01	3.97E-04	3.45E-03
5601	643536.2	4165648.9	Worker	Scenario 3	1.70E-01	3.96E-04	3.10E-03
5602	643636.2	4165648.9	Worker	Scenario 3	1.70E-01	3.95E-04	3.50E-03
5603	643736.2	4165648.9	Worker	Scenario 3	1.70E-01	3.94E-04	3.82E-03
5604	643836.2	4165648.9	Worker	Scenario 3	1.80E-01	4.13E-04	2.68E-03
5605	643936.2	4165648.9	Worker	Scenario 3	1.84E-01	4.20E-04	2.23E-03
5606	644036.2	4165648.9	Worker	Scenario 3	1.83E-01	4.17E-04	2.22E-03
5607	644136.2	4165648.9	Worker	Scenario 3	1.84E-01	4.18E-04	2.12E-03
5608	644236.2	4165648.9	Worker	Scenario 3	1.85E-01	4.19E-04	1.92E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5609	644336.2	4165648.9	Worker	Scenario 3	1.84E-01	4.17E-04	2.00E-03
5610	644436.2	4165648.9	Worker	Scenario 3	1.84E-01	4.15E-04	1.99E-03
5611	644536.2	4165648.9	Worker	Scenario 3	1.80E-01	4.07E-04	2.03E-03
5612	644636.2	4165648.9	Worker	Scenario 3	1.71E-01	3.90E-04	1.98E-03
5613	644736.2	4165648.9	Worker	Scenario 3	1.72E-01	3.88E-04	1.68E-03
5614	644836.2	4165648.9	Worker	Scenario 3	1.68E-01	3.80E-04	1.62E-03
5615	644936.2	4165648.9	Worker	Scenario 3	1.67E-01	3.77E-04	1.63E-03
5616	645036.2	4165648.9	Worker	Scenario 3	1.71E-01	3.86E-04	1.65E-03
5617	645136.2	4165648.9	Worker	Scenario 3	1.61E-01	3.65E-04	1.59E-03
5618	645236.2	4165648.9	Worker	Scenario 3	1.58E-01	3.59E-04	1.59E-03
5619	645336.2	4165648.9	Worker	Scenario 3	1.62E-01	3.65E-04	1.47E-03
5620	645436.2	4165648.9	Worker	Scenario 3	1.56E-01	3.52E-04	1.32E-03
5621	645536.2	4165648.9	Worker	Scenario 3	1.57E-01	3.56E-04	1.27E-03
5622	645836.2	4165648.9	Worker	Scenario 3	1.48E-01	3.36E-04	1.03E-03
5623	645936.2	4165648.9	Worker	Scenario 3	1.47E-01	3.33E-04	1.10E-03
5624	646036.2	4165648.9	Worker	Scenario 3	1.45E-01	3.29E-04	1.15E-03
5625	646136.2	4165648.9	Worker	Scenario 3	1.44E-01	3.26E-04	1.18E-03
5626	646336.2	4165648.9	Worker	Scenario 3	1.41E-01	3.19E-04	1.21E-03
5627	646436.2	4165648.9	Worker	Scenario 3	1.40E-01	3.16E-04	1.21E-03
5628	646536.2	4165648.9	Worker	Scenario 3	1.39E-01	3.13E-04	1.21E-03
5629	646636.2	4165648.9	Worker	Scenario 3	1.37E-01	3.10E-04	1.25E-03
5630	639036.2	4165748.9	Worker	Scenario 3	1.94E-02	4.43E-05	4.63E-04
5631	639136.2	4165748.9	Worker	Scenario 3	2.01E-02	4.57E-05	5.32E-04
5632	639236.2	4165748.9	Worker	Scenario 3	2.20E-02	5.03E-05	6.38E-04
5633	639336.2	4165748.9	Worker	Scenario 3	2.72E-02	6.28E-05	2.08E-03
5634	639436.2	4165748.9	Worker	Scenario 3	2.32E-02	5.30E-05	6.59E-04
5635	639536.2	4165748.9	Worker	Scenario 3	2.24E-02	5.09E-05	3.19E-04
5636	639636.2	4165748.9	Worker	Scenario 3	2.33E-02	5.30E-05	4.40E-04
5637	639736.2	4165748.9	Worker	Scenario 3	2.71E-02	6.26E-05	1.22E-03
5638	639836.2	4165748.9	Worker	Scenario 3	3.02E-02	6.98E-05	1.85E-03
5639	639936.2	4165748.9	Worker	Scenario 3	2.83E-02	6.50E-05	1.20E-03
5640	640036.2	4165748.9	Worker	Scenario 3	2.86E-02	6.60E-05	1.00E-03
5641	640136.2	4165748.9	Worker	Scenario 3	2.98E-02	6.90E-05	1.04E-03
5642	640236.2	4165748.9	Worker	Scenario 3	2.91E-02	6.71E-05	8.07E-04
5643	640336.2	4165748.9	Worker	Scenario 3	3.11E-02	7.18E-05	9.47E-04
5644	640436.2	4165748.9	Worker	Scenario 3	3.29E-02	7.63E-05	1.02E-03
5645	640536.2	4165748.9	Worker	Scenario 3	4.36E-02	1.03E-04	4.10E-03
5646	640636.2	4165748.9	Worker	Scenario 3	6.07E-02	1.46E-04	6.11E-03
5647	640736.2	4165748.9	Worker	Scenario 3	4.13E-02	9.71E-05	2.04E-03
5648	640836.2	4165748.9	Worker	Scenario 3	3.75E-02	8.79E-05	2.19E-03
5649	640936.2	4165748.9	Worker	Scenario 3	3.97E-02	9.33E-05	1.84E-03
5650	641036.2	4165748.9	Worker	Scenario 3	5.16E-02	1.22E-04	3.81E-03
5651	641136.2	4165748.9	Worker	Scenario 3	4.71E-02	1.10E-04	3.24E-03
5652	641236.2	4165748.9	Worker	Scenario 3	4.46E-02	1.04E-04	2.58E-03
5653	641336.2	4165748.9	Worker	Scenario 3	4.88E-02	1.13E-04	1.75E-03
5654	641436.2	4165748.9	Worker	Scenario 3	5.35E-02	1.24E-04	2.43E-03
5655	641536.2	4165748.9	Worker	Scenario 3	5.44E-02	1.27E-04	2.28E-03
5656	641636.2	4165748.9	Worker	Scenario 3	8.24E-02	1.99E-04	5.97E-03
5657	641736.2	4165748.9	Worker	Scenario 3	6.47E-02	1.55E-04	2.13E-03
5658	641836.2	4165748.9	Worker	Scenario 3	7.45E-02	1.79E-04	2.86E-03
5659	641936.2	4165748.9	Worker	Scenario 3	9.61E-02	2.33E-04	5.36E-03
5660	642036.2	4165748.9	Worker	Scenario 3	1.05E-01	2.54E-04	5.85E-03
5661	642136.2	4165748.9	Worker	Scenario 3	9.62E-02	2.33E-04	4.87E-03
5662	642236.2	4165748.9	Worker	Scenario 3	1.12E-01	2.72E-04	5.01E-03
5663	642336.2	4165748.9	Worker	Scenario 3	1.38E-01	3.35E-04	8.22E-03
5664	642436.2	4165748.9	Worker	Scenario 3	1.60E-01	3.89E-04	9.03E-03
5665	642536.2	4165748.9	Worker	Scenario 3	1.74E-01	4.23E-04	6.53E-03
5666	642736.2	4165748.9	Worker	Scenario 3	1.81E-01	4.42E-04	6.38E-03
5667	642836.2	4165748.9	Worker	Scenario 3	1.81E-01	4.39E-04	5.59E-03
5668	642936.2	4165748.9	Worker	Scenario 3	1.80E-01	4.36E-04	5.95E-03
5669	643036.2	4165748.9	Worker	Scenario 3	1.81E-01	4.35E-04	5.04E-03
5670	643136.2	4165748.9	Worker	Scenario 3	1.83E-01	4.37E-04	4.08E-03
5671	643236.2	4165748.9	Worker	Scenario 3	1.85E-01	4.40E-04	3.45E-03
5672	643336.2	4165748.9	Worker	Scenario 3	1.85E-01	4.37E-04	2.97E-03
5673	643436.2	4165748.9	Worker	Scenario 3	1.85E-01	4.35E-04	2.72E-03
5674	643536.2	4165748.9	Worker	Scenario 3	1.88E-01	4.37E-04	3.01E-03
5675	643636.2	4165748.9	Worker	Scenario 3	2.00E-01	4.59E-04	2.84E-03
5676	643736.2	4165748.9	Worker	Scenario 3	2.00E-01	4.58E-04	2.64E-03
5677	643836.2	4165748.9	Worker	Scenario 3	2.00E-01	4.56E-04	2.41E-03
5678	643936.2	4165748.9	Worker	Scenario 3	1.99E-01	4.55E-04	2.39E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5679	644036.2	4165748.9	Worker	Scenario 3	1.99E-01	4.53E-04	2.13E-03
5680	644136.2	4165748.9	Worker	Scenario 3	1.98E-01	4.50E-04	2.11E-03
5681	644236.2	4165748.9	Worker	Scenario 3	1.97E-01	4.47E-04	2.09E-03
5682	644336.2	4165748.9	Worker	Scenario 3	1.97E-01	4.45E-04	2.08E-03
5683	644436.2	4165748.9	Worker	Scenario 3	1.97E-01	4.45E-04	2.04E-03
5684	644536.2	4165748.9	Worker	Scenario 3	1.91E-01	4.33E-04	2.04E-03
5685	644636.2	4165748.9	Worker	Scenario 3	1.85E-01	4.20E-04	1.98E-03
5686	644736.2	4165748.9	Worker	Scenario 3	1.84E-01	4.17E-04	1.76E-03
5687	644836.2	4165748.9	Worker	Scenario 3	1.80E-01	4.07E-04	1.62E-03
5688	644936.2	4165748.9	Worker	Scenario 3	1.76E-01	3.99E-04	1.55E-03
5689	645036.2	4165748.9	Worker	Scenario 3	1.83E-01	4.14E-04	1.68E-03
5690	645136.2	4165748.9	Worker	Scenario 3	1.75E-01	3.97E-04	1.62E-03
5691	645236.2	4165748.9	Worker	Scenario 3	1.70E-01	3.85E-04	1.49E-03
5692	645336.2	4165748.9	Worker	Scenario 3	1.66E-01	3.78E-04	1.37E-03
5693	645736.2	4165748.9	Worker	Scenario 3	1.60E-01	3.63E-04	1.25E-03
5694	645836.2	4165748.9	Worker	Scenario 3	1.58E-01	3.59E-04	1.28E-03
5695	645936.2	4165748.9	Worker	Scenario 3	1.57E-01	3.55E-04	1.30E-03
5696	646036.2	4165748.9	Worker	Scenario 3	1.55E-01	3.51E-04	1.33E-03
5697	646136.2	4165748.9	Worker	Scenario 3	1.53E-01	3.47E-04	1.33E-03
5698	646336.2	4165748.9	Worker	Scenario 3	1.50E-01	3.40E-04	1.38E-03
5699	646436.2	4165748.9	Worker	Scenario 3	1.49E-01	3.36E-04	1.46E-03
5700	646536.2	4165748.9	Worker	Scenario 3	1.47E-01	3.32E-04	1.59E-03
5701	646636.2	4165748.9	Worker	Scenario 3	1.46E-01	3.29E-04	1.71E-03
5702	638936.2	4165848.9	Worker	Scenario 3	1.95E-02	4.46E-05	4.42E-04
5703	639036.2	4165848.9	Worker	Scenario 3	2.01E-02	4.59E-05	3.96E-04
5704	639136.2	4165848.9	Worker	Scenario 3	2.11E-02	4.83E-05	5.06E-04
5705	639236.2	4165848.9	Worker	Scenario 3	2.22E-02	5.09E-05	6.47E-04
5706	639336.2	4165848.9	Worker	Scenario 3	2.64E-02	6.08E-05	1.47E-03
5707	639436.2	4165848.9	Worker	Scenario 3	2.71E-02	6.25E-05	1.50E-03
5708	639536.2	4165848.9	Worker	Scenario 3	2.44E-02	5.56E-05	5.83E-04
5709	639636.2	4165848.9	Worker	Scenario 3	2.44E-02	5.55E-05	3.33E-04
5710	639736.2	4165848.9	Worker	Scenario 3	2.54E-02	5.80E-05	4.88E-04
5711	639836.2	4165848.9	Worker	Scenario 3	2.80E-02	6.44E-05	8.72E-04
5712	639936.2	4165848.9	Worker	Scenario 3	3.15E-02	7.29E-05	1.64E-03
5713	640036.2	4165848.9	Worker	Scenario 3	3.49E-02	8.09E-05	2.89E-03
5714	640136.2	4165848.9	Worker	Scenario 3	2.98E-02	6.88E-05	9.94E-04
5715	640236.2	4165848.9	Worker	Scenario 3	3.03E-02	6.99E-05	9.22E-04
5716	640336.2	4165848.9	Worker	Scenario 3	3.21E-02	7.42E-05	8.40E-04
5717	640436.2	4165848.9	Worker	Scenario 3	3.33E-02	7.71E-05	8.51E-04
5718	640536.2	4165848.9	Worker	Scenario 3	3.84E-02	8.95E-05	1.64E-03
5719	640636.2	4165848.9	Worker	Scenario 3	5.25E-02	1.25E-04	5.27E-03
5720	640736.2	4165848.9	Worker	Scenario 3	6.98E-02	1.69E-04	6.65E-03
5721	640836.2	4165848.9	Worker	Scenario 3	5.44E-02	1.30E-04	5.15E-03
5722	640936.2	4165848.9	Worker	Scenario 3	4.81E-02	1.14E-04	3.51E-03
5723	641036.2	4165848.9	Worker	Scenario 3	4.71E-02	1.11E-04	2.70E-03
5724	641136.2	4165848.9	Worker	Scenario 3	6.93E-02	1.65E-04	5.78E-03
5725	641236.2	4165848.9	Worker	Scenario 3	5.66E-02	1.33E-04	3.54E-03
5726	641336.2	4165848.9	Worker	Scenario 3	5.54E-02	1.29E-04	2.28E-03
5727	641436.2	4165848.9	Worker	Scenario 3	6.55E-02	1.53E-04	3.17E-03
5728	641536.2	4165848.9	Worker	Scenario 3	6.37E-02	1.50E-04	3.17E-03
5729	641636.2	4165848.9	Worker	Scenario 3	9.44E-02	2.29E-04	6.66E-03
5730	641736.2	4165848.9	Worker	Scenario 3	7.81E-02	1.89E-04	3.19E-03
5731	641836.2	4165848.9	Worker	Scenario 3	8.93E-02	2.17E-04	4.40E-03
5732	641936.2	4165848.9	Worker	Scenario 3	1.06E-01	2.59E-04	4.86E-03
5733	642036.2	4165848.9	Worker	Scenario 3	1.28E-01	3.13E-04	8.14E-03
5734	642136.2	4165848.9	Worker	Scenario 3	1.47E-01	3.56E-04	8.97E-03
5735	642236.2	4165848.9	Worker	Scenario 3	1.69E-01	4.09E-04	9.09E-03
5736	642336.2	4165848.9	Worker	Scenario 3	1.82E-01	4.44E-04	9.17E-03
5737	642636.2	4165848.9	Worker	Scenario 3	2.03E-01	4.97E-04	6.22E-03
5738	642736.2	4165848.9	Worker	Scenario 3	2.04E-01	4.97E-04	5.46E-03
5739	642836.2	4165848.9	Worker	Scenario 3	2.02E-01	4.90E-04	5.61E-03
5740	642936.2	4165848.9	Worker	Scenario 3	2.01E-01	4.85E-04	4.72E-03
5741	643036.2	4165848.9	Worker	Scenario 3	2.01E-01	4.82E-04	3.62E-03
5742	643136.2	4165848.9	Worker	Scenario 3	2.01E-01	4.78E-04	3.76E-03
5743	643236.2	4165848.9	Worker	Scenario 3	2.03E-01	4.79E-04	3.12E-03
5744	643336.2	4165848.9	Worker	Scenario 3	2.04E-01	4.79E-04	3.12E-03
5745	643436.2	4165848.9	Worker	Scenario 3	2.13E-01	4.96E-04	3.29E-03
5746	643536.2	4165848.9	Worker	Scenario 3	2.21E-01	5.09E-04	3.14E-03
5747	643636.2	4165848.9	Worker	Scenario 3	2.09E-01	4.84E-04	2.90E-03
5748	643736.2	4165848.9	Worker	Scenario 3	2.05E-01	4.75E-04	2.85E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5749	643836.2	4165848.9	Worker	Scenario 3	2.06E-01	4.74E-04	2.66E-03
5750	643936.2	4165848.9	Worker	Scenario 3	2.06E-01	4.74E-04	2.47E-03
5751	644036.2	4165848.9	Worker	Scenario 3	2.07E-01	4.75E-04	2.50E-03
5752	644136.2	4165848.9	Worker	Scenario 3	2.08E-01	4.75E-04	2.49E-03
5753	644236.2	4165848.9	Worker	Scenario 3	2.08E-01	4.74E-04	2.38E-03
5754	644336.2	4165848.9	Worker	Scenario 3	2.07E-01	4.72E-04	2.26E-03
5755	644436.2	4165848.9	Worker	Scenario 3	2.06E-01	4.68E-04	2.17E-03
5756	644536.2	4165848.9	Worker	Scenario 3	2.03E-01	4.61E-04	2.13E-03
5757	644636.2	4165848.9	Worker	Scenario 3	2.00E-01	4.54E-04	1.98E-03
5758	644736.2	4165848.9	Worker	Scenario 3	1.97E-01	4.46E-04	1.71E-03
5759	644836.2	4165848.9	Worker	Scenario 3	1.93E-01	4.38E-04	1.67E-03
5760	644936.2	4165848.9	Worker	Scenario 3	1.99E-01	4.49E-04	1.69E-03
5761	645036.2	4165848.9	Worker	Scenario 3	1.91E-01	4.33E-04	1.57E-03
5762	645436.2	4165848.9	Worker	Scenario 3	1.77E-01	4.03E-04	1.36E-03
5763	645536.2	4165848.9	Worker	Scenario 3	1.75E-01	3.98E-04	1.41E-03
5764	645636.2	4165848.9	Worker	Scenario 3	1.73E-01	3.93E-04	1.43E-03
5765	645736.2	4165848.9	Worker	Scenario 3	1.71E-01	3.89E-04	1.46E-03
5766	645836.2	4165848.9	Worker	Scenario 3	1.69E-01	3.84E-04	1.46E-03
5767	645936.2	4165848.9	Worker	Scenario 3	1.68E-01	3.80E-04	1.44E-03
5768	646036.2	4165848.9	Worker	Scenario 3	1.66E-01	3.75E-04	1.51E-03
5769	646136.2	4165848.9	Worker	Scenario 3	1.64E-01	3.71E-04	1.61E-03
5770	646336.2	4165848.9	Worker	Scenario 3	1.60E-01	3.62E-04	1.91E-03
5771	646436.2	4165848.9	Worker	Scenario 3	1.58E-01	3.57E-04	2.04E-03
5772	646536.2	4165848.9	Worker	Scenario 3	1.56E-01	3.53E-04	2.15E-03
5773	646636.2	4165848.9	Worker	Scenario 3	1.54E-01	3.49E-04	2.25E-03
5774	646736.2	4165848.9	Worker	Scenario 3	1.53E-01	3.44E-04	2.33E-03
5775	638736.2	4165948.9	Worker	Scenario 3	1.95E-02	4.44E-05	8.55E-04
5776	638836.2	4165948.9	Worker	Scenario 3	2.24E-02	5.15E-05	1.11E-03
5777	638936.2	4165948.9	Worker	Scenario 3	2.11E-02	4.83E-05	7.99E-04
5778	639036.2	4165948.9	Worker	Scenario 3	2.15E-02	4.93E-05	6.49E-04
5779	639136.2	4165948.9	Worker	Scenario 3	2.26E-02	5.18E-05	6.00E-04
5780	639236.2	4165948.9	Worker	Scenario 3	2.33E-02	5.44E-05	8.73E-03
5781	639336.2	4165948.9	Worker	Scenario 3	2.72E-02	6.32E-05	1.86E-03
5782	639436.2	4165948.9	Worker	Scenario 3	2.78E-02	6.44E-05	1.64E-03
5783	639536.2	4165948.9	Worker	Scenario 3	2.44E-02	5.55E-05	6.68E-04
5784	639636.2	4165948.9	Worker	Scenario 3	2.57E-02	5.85E-05	6.80E-04
5785	639736.2	4165948.9	Worker	Scenario 3	2.70E-02	6.16E-05	5.37E-04
5786	639836.2	4165948.9	Worker	Scenario 3	2.82E-02	6.45E-05	6.82E-04
5787	639936.2	4165948.9	Worker	Scenario 3	2.94E-02	6.74E-05	6.65E-04
5788	640036.2	4165948.9	Worker	Scenario 3	3.82E-02	8.90E-05	2.74E-03
5789	640136.2	4165948.9	Worker	Scenario 3	3.26E-02	7.51E-05	1.05E-03
5790	640236.2	4165948.9	Worker	Scenario 3	3.38E-02	7.83E-05	1.18E-03
5791	640336.2	4165948.9	Worker	Scenario 3	3.60E-02	8.38E-05	1.45E-03
5792	640436.2	4165948.9	Worker	Scenario 3	3.86E-02	8.99E-05	1.33E-03
5793	640536.2	4165948.9	Worker	Scenario 3	4.43E-02	1.04E-04	2.02E-03
5794	640636.2	4165948.9	Worker	Scenario 3	5.20E-02	1.23E-04	4.87E-03
5795	640736.2	4165948.9	Worker	Scenario 3	6.14E-02	1.47E-04	5.80E-03
5796	640836.2	4165948.9	Worker	Scenario 3	7.99E-02	1.94E-04	8.38E-03
5797	640936.2	4165948.9	Worker	Scenario 3	8.35E-02	2.02E-04	8.75E-03
5798	641036.2	4165948.9	Worker	Scenario 3	8.04E-02	1.95E-04	7.23E-03
5799	641136.2	4165948.9	Worker	Scenario 3	6.00E-02	1.42E-04	3.91E-03
5800	641236.2	4165948.9	Worker	Scenario 3	6.67E-02	1.58E-04	5.27E-03
5801	641336.2	4165948.9	Worker	Scenario 3	6.81E-02	1.60E-04	3.62E-03
5802	641436.2	4165948.9	Worker	Scenario 3	8.39E-02	1.97E-04	4.75E-03
5803	641536.2	4165948.9	Worker	Scenario 3	8.75E-02	2.09E-04	6.80E-03
5804	641636.2	4165948.9	Worker	Scenario 3	1.06E-01	2.58E-04	7.32E-03
5805	641736.2	4165948.9	Worker	Scenario 3	1.17E-01	2.87E-04	8.32E-03
5806	641836.2	4165948.9	Worker	Scenario 3	1.38E-01	3.38E-04	1.03E-02
5807	642136.2	4165948.9	Worker	Scenario 3	1.96E-01	4.78E-04	8.74E-03
5808	642236.2	4165948.9	Worker	Scenario 3	2.11E-01	5.17E-04	8.35E-03
5809	642436.2	4165948.9	Worker	Scenario 3	2.18E-01	5.37E-04	7.92E-03
5810	642536.2	4165948.9	Worker	Scenario 3	2.24E-01	5.50E-04	7.19E-03
5811	642636.2	4165948.9	Worker	Scenario 3	2.28E-01	5.59E-04	5.88E-03
5812	642736.2	4165948.9	Worker	Scenario 3	2.29E-01	5.59E-04	4.61E-03
5813	642836.2	4165948.9	Worker	Scenario 3	2.26E-01	5.49E-04	4.35E-03
5814	642936.2	4165948.9	Worker	Scenario 3	2.24E-01	5.39E-04	4.04E-03
5815	643036.2	4165948.9	Worker	Scenario 3	2.23E-01	5.32E-04	4.10E-03
5816	643136.2	4165948.9	Worker	Scenario 3	2.23E-01	5.28E-04	3.27E-03
5817	643236.2	4165948.9	Worker	Scenario 3	2.24E-01	5.27E-04	3.56E-03
5818	643336.2	4165948.9	Worker	Scenario 3	2.34E-01	5.44E-04	3.66E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5819	643436.2	4165948.9	Worker	Scenario 3	2.38E-01	5.52E-04	3.42E-03
5820	643536.2	4165948.9	Worker	Scenario 3	2.27E-01	5.27E-04	3.13E-03
5821	643636.2	4165948.9	Worker	Scenario 3	2.27E-01	5.26E-04	3.07E-03
5822	643736.2	4165948.9	Worker	Scenario 3	2.27E-01	5.25E-04	2.68E-03
5823	643836.2	4165948.9	Worker	Scenario 3	2.28E-01	5.24E-04	2.77E-03
5824	643936.2	4165948.9	Worker	Scenario 3	2.28E-01	5.24E-04	2.76E-03
5825	644036.2	4165948.9	Worker	Scenario 3	2.29E-01	5.25E-04	2.64E-03
5826	644136.2	4165948.9	Worker	Scenario 3	2.29E-01	5.23E-04	2.52E-03
5827	644236.2	4165948.9	Worker	Scenario 3	2.29E-01	5.21E-04	2.40E-03
5828	644336.2	4165948.9	Worker	Scenario 3	2.27E-01	5.16E-04	2.34E-03
5829	644436.2	4165948.9	Worker	Scenario 3	2.22E-01	5.06E-04	2.16E-03
5830	644536.2	4165948.9	Worker	Scenario 3	2.19E-01	4.98E-04	2.11E-03
5831	644636.2	4165948.9	Worker	Scenario 3	2.16E-01	4.92E-04	2.03E-03
5832	644736.2	4165948.9	Worker	Scenario 3	2.13E-01	4.84E-04	1.87E-03
5833	645236.2	4165948.9	Worker	Scenario 3	1.96E-01	4.46E-04	1.55E-03
5834	645336.2	4165948.9	Worker	Scenario 3	1.94E-01	4.40E-04	1.58E-03
5835	645436.2	4165948.9	Worker	Scenario 3	1.91E-01	4.34E-04	1.61E-03
5836	645536.2	4165948.9	Worker	Scenario 3	1.89E-01	4.28E-04	1.61E-03
5837	645636.2	4165948.9	Worker	Scenario 3	1.86E-01	4.22E-04	1.60E-03
5838	645736.2	4165948.9	Worker	Scenario 3	1.84E-01	4.17E-04	1.67E-03
5839	645836.2	4165948.9	Worker	Scenario 3	1.82E-01	4.12E-04	1.80E-03
5840	645936.2	4165948.9	Worker	Scenario 3	1.80E-01	4.07E-04	1.96E-03
5841	646036.2	4165948.9	Worker	Scenario 3	1.77E-01	4.01E-04	2.11E-03
5842	646136.2	4165948.9	Worker	Scenario 3	1.75E-01	3.96E-04	2.26E-03
5843	646336.2	4165948.9	Worker	Scenario 3	1.71E-01	3.85E-04	2.48E-03
5844	646436.2	4165948.9	Worker	Scenario 3	1.68E-01	3.80E-04	2.56E-03
5845	646536.2	4165948.9	Worker	Scenario 3	1.66E-01	3.75E-04	2.62E-03
5846	646636.2	4165948.9	Worker	Scenario 3	1.64E-01	3.69E-04	2.65E-03
5847	646736.2	4165948.9	Worker	Scenario 3	1.62E-01	3.64E-04	2.66E-03
5848	638536.2	4166048.9	Worker	Scenario 3	2.37E-02	5.48E-05	2.73E-03
5849	638636.2	4166048.9	Worker	Scenario 3	2.08E-02	4.76E-05	1.94E-03
5850	638736.2	4166048.9	Worker	Scenario 3	2.02E-02	4.61E-05	1.29E-03
5851	638836.2	4166048.9	Worker	Scenario 3	2.28E-02	5.22E-05	1.27E-03
5852	638936.2	4166048.9	Worker	Scenario 3	2.36E-02	5.42E-05	1.18E-03
5853	639036.2	4166048.9	Worker	Scenario 3	2.29E-02	5.23E-05	9.35E-04
5854	639136.2	4166048.9	Worker	Scenario 3	2.29E-02	5.24E-05	8.23E-04
5855	639236.2	4166048.9	Worker	Scenario 3	2.42E-02	5.55E-05	7.33E-04
5856	639336.2	4166048.9	Worker	Scenario 3	2.86E-02	6.67E-05	1.98E-03
5857	639436.2	4166048.9	Worker	Scenario 3	2.86E-02	6.67E-05	1.71E-03
5858	639536.2	4166048.9	Worker	Scenario 3	2.55E-02	5.83E-05	7.14E-04
5859	639636.2	4166048.9	Worker	Scenario 3	2.71E-02	6.19E-05	7.48E-04
5860	639736.2	4166048.9	Worker	Scenario 3	2.79E-02	6.37E-05	8.22E-04
5861	639836.2	4166048.9	Worker	Scenario 3	2.99E-02	6.86E-05	8.07E-04
5862	639936.2	4166048.9	Worker	Scenario 3	3.10E-02	7.10E-05	7.39E-04
5863	640036.2	4166048.9	Worker	Scenario 3	3.30E-02	7.61E-05	1.04E-03
5864	640136.2	4166048.9	Worker	Scenario 3	4.61E-02	1.08E-04	3.70E-03
5865	640236.2	4166048.9	Worker	Scenario 3	3.99E-02	9.26E-05	2.69E-03
5866	640336.2	4166048.9	Worker	Scenario 3	4.01E-02	9.36E-05	1.62E-03
5867	640436.2	4166048.9	Worker	Scenario 3	4.22E-02	9.89E-05	1.78E-03
5868	640536.2	4166048.9	Worker	Scenario 3	4.37E-02	1.02E-04	1.65E-03
5869	640636.2	4166048.9	Worker	Scenario 3	5.10E-02	1.20E-04	3.29E-03
5870	640736.2	4166048.9	Worker	Scenario 3	5.96E-02	1.42E-04	5.50E-03
5871	640836.2	4166048.9	Worker	Scenario 3	7.29E-02	1.77E-04	6.72E-03
5872	640936.2	4166048.9	Worker	Scenario 3	8.16E-02	1.98E-04	7.91E-03
5873	641036.2	4166048.9	Worker	Scenario 3	1.02E-01	2.50E-04	1.02E-02
5874	641136.2	4166048.9	Worker	Scenario 3	8.41E-02	2.03E-04	7.17E-03
5875	641236.2	4166048.9	Worker	Scenario 3	9.56E-02	2.29E-04	8.56E-03
5876	641336.2	4166048.9	Worker	Scenario 3	1.08E-01	2.56E-04	9.18E-03
5877	641436.2	4166048.9	Worker	Scenario 3	1.17E-01	2.75E-04	8.08E-03
5878	641636.2	4166048.9	Worker	Scenario 3	1.43E-01	3.51E-04	1.41E-02
5879	641736.2	4166048.9	Worker	Scenario 3	1.54E-01	3.81E-04	1.26E-02
5880	641836.2	4166048.9	Worker	Scenario 3	1.78E-01	4.39E-04	1.36E-02
5881	641936.2	4166048.9	Worker	Scenario 3	1.98E-01	4.87E-04	1.29E-02
5882	642036.2	4166048.9	Worker	Scenario 3	2.14E-01	5.25E-04	1.12E-02
5883	642136.2	4166048.9	Worker	Scenario 3	2.29E-01	5.63E-04	9.50E-03
5884	642336.2	4166048.9	Worker	Scenario 3	2.51E-01	6.20E-04	6.94E-03
5885	642436.2	4166048.9	Worker	Scenario 3	2.53E-01	6.26E-04	7.21E-03
5886	642536.2	4166048.9	Worker	Scenario 3	2.57E-01	6.35E-04	5.62E-03
5887	642636.2	4166048.9	Worker	Scenario 3	2.58E-01	6.32E-04	5.09E-03
5888	642736.2	4166048.9	Worker	Scenario 3	2.56E-01	6.22E-04	4.85E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5889	642836.2	4166048.9	Worker	Scenario 3	2.52E-01	6.09E-04	4.54E-03
5890	642936.2	4166048.9	Worker	Scenario 3	2.49E-01	5.97E-04	4.47E-03
5891	643036.2	4166048.9	Worker	Scenario 3	2.48E-01	5.89E-04	3.50E-03
5892	643136.2	4166048.9	Worker	Scenario 3	2.47E-01	5.85E-04	4.05E-03
5893	643236.2	4166048.9	Worker	Scenario 3	2.50E-01	5.87E-04	4.09E-03
5894	643336.2	4166048.9	Worker	Scenario 3	2.51E-01	5.88E-04	3.65E-03
5895	643436.2	4166048.9	Worker	Scenario 3	2.52E-01	5.86E-04	3.49E-03
5896	643536.2	4166048.9	Worker	Scenario 3	2.53E-01	5.86E-04	3.18E-03
5897	643636.2	4166048.9	Worker	Scenario 3	2.53E-01	5.86E-04	3.08E-03
5898	643736.2	4166048.9	Worker	Scenario 3	2.54E-01	5.85E-04	3.07E-03
5899	643836.2	4166048.9	Worker	Scenario 3	2.54E-01	5.83E-04	2.95E-03
5900	643936.2	4166048.9	Worker	Scenario 3	2.55E-01	5.83E-04	2.82E-03
5901	644036.2	4166048.9	Worker	Scenario 3	2.55E-01	5.82E-04	2.67E-03
5902	644136.2	4166048.9	Worker	Scenario 3	2.54E-01	5.79E-04	2.60E-03
5903	644236.2	4166048.9	Worker	Scenario 3	2.52E-01	5.73E-04	2.37E-03
5904	644336.2	4166048.9	Worker	Scenario 3	2.49E-01	5.66E-04	2.34E-03
5905	644936.2	4166048.9	Worker	Scenario 3	2.23E-01	5.07E-04	1.71E-03
5906	645036.2	4166048.9	Worker	Scenario 3	2.19E-01	4.99E-04	1.76E-03
5907	645136.2	4166048.9	Worker	Scenario 3	2.16E-01	4.91E-04	1.78E-03
5908	645236.2	4166048.9	Worker	Scenario 3	2.13E-01	4.83E-04	1.79E-03
5909	645336.2	4166048.9	Worker	Scenario 3	2.10E-01	4.76E-04	1.76E-03
5910	645436.2	4166048.9	Worker	Scenario 3	2.06E-01	4.68E-04	1.86E-03
5911	645536.2	4166048.9	Worker	Scenario 3	2.03E-01	4.61E-04	2.02E-03
5912	645636.2	4166048.9	Worker	Scenario 3	2.01E-01	4.55E-04	2.20E-03
5913	645736.2	4166048.9	Worker	Scenario 3	1.98E-01	4.49E-04	2.37E-03
5914	645836.2	4166048.9	Worker	Scenario 3	1.95E-01	4.42E-04	2.51E-03
5915	645936.2	4166048.9	Worker	Scenario 3	1.93E-01	4.36E-04	2.63E-03
5916	646036.2	4166048.9	Worker	Scenario 3	1.90E-01	4.30E-04	2.73E-03
5917	646136.2	4166048.9	Worker	Scenario 3	1.87E-01	4.23E-04	2.81E-03
5918	646336.2	4166048.9	Worker	Scenario 3	1.82E-01	4.11E-04	2.88E-03
5919	646436.2	4166048.9	Worker	Scenario 3	1.79E-01	4.04E-04	2.88E-03
5920	646536.2	4166048.9	Worker	Scenario 3	1.77E-01	3.98E-04	2.86E-03
5921	646636.2	4166048.9	Worker	Scenario 3	1.74E-01	3.92E-04	2.80E-03
5922	646736.2	4166048.9	Worker	Scenario 3	1.71E-01	3.85E-04	2.73E-03
5923	646836.2	4166048.9	Worker	Scenario 3	1.69E-01	3.79E-04	2.65E-03
5924	638436.2	4166148.9	Worker	Scenario 3	2.21E-02	5.18E-05	6.02E-03
5925	638536.2	4166148.9	Worker	Scenario 3	2.33E-02	5.44E-05	5.27E-03
5926	638636.2	4166148.9	Worker	Scenario 3	2.13E-02	4.92E-05	4.32E-03
5927	638736.2	4166148.9	Worker	Scenario 3	2.12E-02	4.86E-05	3.31E-03
5928	638836.2	4166148.9	Worker	Scenario 3	2.29E-02	5.24E-05	2.36E-03
5929	638936.2	4166148.9	Worker	Scenario 3	2.62E-02	6.04E-05	1.97E-03
5930	639036.2	4166148.9	Worker	Scenario 3	2.54E-02	5.84E-05	1.52E-03
5931	639136.2	4166148.9	Worker	Scenario 3	2.36E-02	5.37E-05	1.00E-03
5932	639236.2	4166148.9	Worker	Scenario 3	2.46E-02	5.63E-05	9.52E-04
5933	639336.2	4166148.9	Worker	Scenario 3	2.80E-02	6.49E-05	1.35E-03
5934	639436.2	4166148.9	Worker	Scenario 3	3.28E-02	7.70E-05	2.67E-03
5935	639536.2	4166148.9	Worker	Scenario 3	2.84E-02	6.56E-05	8.65E-04
5936	639636.2	4166148.9	Worker	Scenario 3	3.10E-02	7.21E-05	1.54E-03
5937	639736.2	4166148.9	Worker	Scenario 3	3.11E-02	7.18E-05	1.06E-03
5938	639836.2	4166148.9	Worker	Scenario 3	3.35E-02	7.72E-05	1.27E-03
5939	639936.2	4166148.9	Worker	Scenario 3	3.72E-02	8.63E-05	2.54E-03
5940	640036.2	4166148.9	Worker	Scenario 3	3.84E-02	8.95E-05	2.25E-03
5941	640136.2	4166148.9	Worker	Scenario 3	4.84E-02	1.15E-04	4.56E-03
5942	640236.2	4166148.9	Worker	Scenario 3	4.72E-02	1.11E-04	3.37E-03
5943	640336.2	4166148.9	Worker	Scenario 3	4.21E-02	9.78E-05	2.13E-03
5944	640436.2	4166148.9	Worker	Scenario 3	5.08E-02	1.20E-04	2.86E-03
5945	640536.2	4166148.9	Worker	Scenario 3	5.00E-02	1.18E-04	2.65E-03
5946	640636.2	4166148.9	Worker	Scenario 3	5.71E-02	1.35E-04	3.75E-03
5947	640736.2	4166148.9	Worker	Scenario 3	6.61E-02	1.58E-04	6.14E-03
5948	640836.2	4166148.9	Worker	Scenario 3	8.07E-02	1.96E-04	7.40E-03
5949	640936.2	4166148.9	Worker	Scenario 3	9.62E-02	2.35E-04	9.20E-03
5950	641036.2	4166148.9	Worker	Scenario 3	1.10E-01	2.68E-04	1.14E-02
5951	641136.2	4166148.9	Worker	Scenario 3	1.24E-01	3.03E-04	1.19E-02
5952	641236.2	4166148.9	Worker	Scenario 3	1.26E-01	3.05E-04	1.19E-02
5953	641336.2	4166148.9	Worker	Scenario 3	1.40E-01	3.34E-04	1.25E-02
5954	641436.2	4166148.9	Worker	Scenario 3	1.52E-01	3.62E-04	1.19E-02
5955	641536.2	4166148.9	Worker	Scenario 3	1.64E-01	3.99E-04	1.56E-02
5956	641636.2	4166148.9	Worker	Scenario 3	1.75E-01	4.31E-04	1.73E-02
5957	641736.2	4166148.9	Worker	Scenario 3	1.87E-01	4.64E-04	1.51E-02
5958	641836.2	4166148.9	Worker	Scenario 3	2.10E-01	5.21E-04	1.58E-02

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5959	641936.2	4166148.9	Worker	Scenario 3	2.34E-01	5.78E-04	1.21E-02
5960	642236.2	4166148.9	Worker	Scenario 3	2.88E-01	7.19E-04	6.48E-03
5961	642336.2	4166148.9	Worker	Scenario 3	2.94E-01	7.32E-04	6.61E-03
5962	642436.2	4166148.9	Worker	Scenario 3	2.94E-01	7.30E-04	6.29E-03
5963	642536.2	4166148.9	Worker	Scenario 3	2.94E-01	7.24E-04	5.65E-03
5964	642636.2	4166148.9	Worker	Scenario 3	2.92E-01	7.12E-04	5.45E-03
5965	642736.2	4166148.9	Worker	Scenario 3	2.87E-01	6.95E-04	5.14E-03
5966	642836.2	4166148.9	Worker	Scenario 3	2.82E-01	6.78E-04	4.89E-03
5967	642936.2	4166148.9	Worker	Scenario 3	2.79E-01	6.66E-04	4.16E-03
5968	643036.2	4166148.9	Worker	Scenario 3	2.77E-01	6.58E-04	4.58E-03
5969	644536.2	4166148.9	Worker	Scenario 3	2.62E-01	5.96E-04	1.78E-03
5970	644636.2	4166148.9	Worker	Scenario 3	2.57E-01	5.85E-04	1.90E-03
5971	644736.2	4166148.9	Worker	Scenario 3	2.52E-01	5.73E-04	1.97E-03
5972	644836.2	4166148.9	Worker	Scenario 3	2.47E-01	5.62E-04	1.99E-03
5973	644936.2	4166148.9	Worker	Scenario 3	2.43E-01	5.52E-04	1.99E-03
5974	645036.2	4166148.9	Worker	Scenario 3	2.39E-01	5.43E-04	1.97E-03
5975	645136.2	4166148.9	Worker	Scenario 3	2.35E-01	5.33E-04	2.06E-03
5976	645236.2	4166148.9	Worker	Scenario 3	2.31E-01	5.24E-04	2.25E-03
5977	645336.2	4166148.9	Worker	Scenario 3	2.27E-01	5.16E-04	2.44E-03
5978	645436.2	4166148.9	Worker	Scenario 3	2.23E-01	5.06E-04	2.67E-03
5979	645536.2	4166148.9	Worker	Scenario 3	2.20E-01	4.98E-04	2.82E-03
5980	645636.2	4166148.9	Worker	Scenario 3	2.17E-01	4.91E-04	2.95E-03
5981	645736.2	4166148.9	Worker	Scenario 3	2.13E-01	4.83E-04	3.04E-03
5982	645836.2	4166148.9	Worker	Scenario 3	2.10E-01	4.75E-04	3.09E-03
5983	645936.2	4166148.9	Worker	Scenario 3	2.07E-01	4.68E-04	3.12E-03
5984	646036.2	4166148.9	Worker	Scenario 3	2.04E-01	4.60E-04	3.12E-03
5985	646136.2	4166148.9	Worker	Scenario 3	2.01E-01	4.52E-04	3.09E-03
5986	646336.2	4166148.9	Worker	Scenario 3	1.94E-01	4.37E-04	2.96E-03
5987	646436.2	4166148.9	Worker	Scenario 3	1.91E-01	4.30E-04	2.87E-03
5988	646536.2	4166148.9	Worker	Scenario 3	1.88E-01	4.22E-04	2.76E-03
5989	646636.2	4166148.9	Worker	Scenario 3	1.84E-01	4.15E-04	2.64E-03
5990	646736.2	4166148.9	Worker	Scenario 3	1.81E-01	4.07E-04	2.51E-03
5991	646836.2	4166148.9	Worker	Scenario 3	1.78E-01	3.99E-04	2.37E-03
5992	638236.2	4166248.9	Worker	Scenario 3	2.18E-02	5.12E-05	5.70E-03
5993	638336.2	4166248.9	Worker	Scenario 3	2.49E-02	5.90E-05	6.41E-03
5994	638436.2	4166248.9	Worker	Scenario 3	2.49E-02	5.89E-05	6.90E-03
5995	638536.2	4166248.9	Worker	Scenario 3	2.37E-02	5.59E-05	7.05E-03
5996	638636.2	4166248.9	Worker	Scenario 3	2.21E-02	5.14E-05	6.80E-03
5997	638736.2	4166248.9	Worker	Scenario 3	2.25E-02	5.21E-05	6.15E-03
5998	638836.2	4166248.9	Worker	Scenario 3	2.65E-02	6.21E-05	5.18E-03
5999	638936.2	4166248.9	Worker	Scenario 3	2.57E-02	5.97E-05	4.03E-03
6000	639036.2	4166248.9	Worker	Scenario 3	2.42E-02	5.53E-05	2.90E-03
6001	639136.2	4166248.9	Worker	Scenario 3	2.49E-02	5.70E-05	1.92E-03
6002	639236.2	4166248.9	Worker	Scenario 3	2.77E-02	6.36E-05	1.55E-03
6003	639336.2	4166248.9	Worker	Scenario 3	2.85E-02	6.55E-05	1.31E-03
6004	639436.2	4166248.9	Worker	Scenario 3	4.18E-02	9.80E-05	3.93E-03
6005	639536.2	4166248.9	Worker	Scenario 3	3.21E-02	7.46E-05	1.74E-03
6006	639636.2	4166248.9	Worker	Scenario 3	3.63E-02	8.53E-05	2.74E-03
6007	639736.2	4166248.9	Worker	Scenario 3	3.71E-02	8.73E-05	2.57E-03
6008	639836.2	4166248.9	Worker	Scenario 3	4.27E-02	1.01E-04	3.73E-03
6009	639936.2	4166248.9	Worker	Scenario 3	4.58E-02	1.07E-04	3.22E-03
6010	640036.2	4166248.9	Worker	Scenario 3	4.16E-02	9.68E-05	2.82E-03
6011	640136.2	4166248.9	Worker	Scenario 3	4.64E-02	1.09E-04	3.57E-03
6012	640236.2	4166248.9	Worker	Scenario 3	5.27E-02	1.25E-04	4.81E-03
6013	640336.2	4166248.9	Worker	Scenario 3	5.47E-02	1.29E-04	4.14E-03
6014	640436.2	4166248.9	Worker	Scenario 3	6.61E-02	1.56E-04	6.39E-03
6015	640536.2	4166248.9	Worker	Scenario 3	7.34E-02	1.75E-04	6.19E-03
6016	640636.2	4166248.9	Worker	Scenario 3	8.86E-02	2.12E-04	7.76E-03
6017	640736.2	4166248.9	Worker	Scenario 3	1.03E-01	2.49E-04	1.13E-02
6018	640836.2	4166248.9	Worker	Scenario 3	1.15E-01	2.82E-04	1.29E-02
6019	640936.2	4166248.9	Worker	Scenario 3	1.22E-01	3.01E-04	1.31E-02
6020	641036.2	4166248.9	Worker	Scenario 3	1.29E-01	3.17E-04	1.31E-02
6021	641136.2	4166248.9	Worker	Scenario 3	1.41E-01	3.48E-04	1.32E-02
6022	641236.2	4166248.9	Worker	Scenario 3	1.50E-01	3.66E-04	1.55E-02
6023	641336.2	4166248.9	Worker	Scenario 3	1.63E-01	3.93E-04	1.44E-02
6024	641436.2	4166248.9	Worker	Scenario 3	1.78E-01	4.26E-04	1.40E-02
6025	641536.2	4166248.9	Worker	Scenario 3	1.95E-01	4.77E-04	1.72E-02
6026	641636.2	4166248.9	Worker	Scenario 3	2.13E-01	5.30E-04	1.90E-02
6027	641736.2	4166248.9	Worker	Scenario 3	2.28E-01	5.70E-04	1.67E-02
6028	641836.2	4166248.9	Worker	Scenario 3	2.52E-01	6.26E-04	1.74E-02

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6029	641936.2	4166248.9	Worker	Scenario 3	2.77E-01	6.87E-04	1.40E-02
6030	642036.2	4166248.9	Worker	Scenario 3	3.07E-01	7.65E-04	1.08E-02
6031	642136.2	4166248.9	Worker	Scenario 3	3.28E-01	8.22E-04	8.19E-03
6032	642236.2	4166248.9	Worker	Scenario 3	3.41E-01	8.52E-04	7.62E-03
6033	642336.2	4166248.9	Worker	Scenario 3	3.44E-01	8.55E-04	7.21E-03
6034	642436.2	4166248.9	Worker	Scenario 3	3.41E-01	8.43E-04	6.35E-03
6035	642536.2	4166248.9	Worker	Scenario 3	3.36E-01	8.22E-04	6.18E-03
6036	642636.2	4166248.9	Worker	Scenario 3	3.31E-01	8.02E-04	5.86E-03
6037	642736.2	4166248.9	Worker	Scenario 3	3.26E-01	7.83E-04	5.34E-03
6038	642836.2	4166248.9	Worker	Scenario 3	3.20E-01	7.66E-04	4.94E-03
6039	642936.2	4166248.9	Worker	Scenario 3	3.15E-01	7.50E-04	5.24E-03
6040	644236.2	4166248.9	Worker	Scenario 3	3.10E-01	7.05E-04	2.10E-03
6041	644336.2	4166248.9	Worker	Scenario 3	3.08E-01	6.99E-04	2.11E-03
6042	644436.2	4166248.9	Worker	Scenario 3	3.01E-01	6.82E-04	2.20E-03
6043	644536.2	4166248.9	Worker	Scenario 3	2.93E-01	6.65E-04	2.22E-03
6044	644636.2	4166248.9	Worker	Scenario 3	2.82E-01	6.41E-04	2.25E-03
6045	644736.2	4166248.9	Worker	Scenario 3	2.76E-01	6.28E-04	2.21E-03
6046	644836.2	4166248.9	Worker	Scenario 3	2.71E-01	6.16E-04	2.30E-03
6047	644936.2	4166248.9	Worker	Scenario 3	2.66E-01	6.04E-04	2.51E-03
6048	645036.2	4166248.9	Worker	Scenario 3	2.61E-01	5.93E-04	2.74E-03
6049	645136.2	4166248.9	Worker	Scenario 3	2.56E-01	5.82E-04	2.95E-03
6050	645236.2	4166248.9	Worker	Scenario 3	2.52E-01	5.70E-04	3.13E-03
6051	645336.2	4166248.9	Worker	Scenario 3	2.47E-01	5.60E-04	3.25E-03
6052	645436.2	4166248.9	Worker	Scenario 3	2.43E-01	5.49E-04	3.37E-03
6053	645536.2	4166248.9	Worker	Scenario 3	2.38E-01	5.39E-04	3.41E-03
6054	645636.2	4166248.9	Worker	Scenario 3	2.34E-01	5.30E-04	3.41E-03
6055	645736.2	4166248.9	Worker	Scenario 3	2.30E-01	5.20E-04	3.38E-03
6056	645836.2	4166248.9	Worker	Scenario 3	2.27E-01	5.11E-04	3.31E-03
6057	645936.2	4166248.9	Worker	Scenario 3	2.23E-01	5.02E-04	3.22E-03
6058	646036.2	4166248.9	Worker	Scenario 3	2.19E-01	4.93E-04	3.11E-03
6059	646136.2	4166248.9	Worker	Scenario 3	2.15E-01	4.84E-04	2.98E-03
6060	646336.2	4166248.9	Worker	Scenario 3	2.07E-01	4.66E-04	2.68E-03
6061	646436.2	4166248.9	Worker	Scenario 3	2.03E-01	4.57E-04	2.53E-03
6062	646536.2	4166248.9	Worker	Scenario 3	1.99E-01	4.48E-04	2.37E-03
6063	646636.2	4166248.9	Worker	Scenario 3	1.95E-01	4.39E-04	2.21E-03
6064	646736.2	4166248.9	Worker	Scenario 3	1.91E-01	4.29E-04	2.06E-03
6065	646836.2	4166248.9	Worker	Scenario 3	1.87E-01	4.20E-04	1.91E-03
6066	646936.2	4166248.9	Worker	Scenario 3	1.83E-01	4.11E-04	1.76E-03
6067	638136.2	4166348.9	Worker	Scenario 3	2.23E-02	5.17E-05	2.66E-03
6068	638236.2	4166348.9	Worker	Scenario 3	2.59E-02	6.06E-05	3.43E-03
6069	638336.2	4166348.9	Worker	Scenario 3	2.51E-02	5.88E-05	4.32E-03
6070	638436.2	4166348.9	Worker	Scenario 3	2.50E-02	5.89E-05	5.28E-03
6071	638536.2	4166348.9	Worker	Scenario 3	2.21E-02	5.15E-05	6.22E-03
6072	638636.2	4166348.9	Worker	Scenario 3	2.36E-02	5.53E-05	7.01E-03
6073	638736.2	4166348.9	Worker	Scenario 3	2.70E-02	6.40E-05	7.50E-03
6074	638836.2	4166348.9	Worker	Scenario 3	2.80E-02	6.63E-05	7.56E-03
6075	638936.2	4166348.9	Worker	Scenario 3	2.63E-02	6.16E-05	7.11E-03
6076	639036.2	4166348.9	Worker	Scenario 3	2.81E-02	6.58E-05	6.19E-03
6077	639136.2	4166348.9	Worker	Scenario 3	2.94E-02	6.84E-05	4.95E-03
6078	639236.2	4166348.9	Worker	Scenario 3	3.30E-02	7.70E-05	3.61E-03
6079	639336.2	4166348.9	Worker	Scenario 3	3.27E-02	7.57E-05	2.59E-03
6080	639436.2	4166348.9	Worker	Scenario 3	3.86E-02	9.00E-05	3.40E-03
6081	639536.2	4166348.9	Worker	Scenario 3	4.70E-02	1.10E-04	4.38E-03
6082	639636.2	4166348.9	Worker	Scenario 3	4.20E-02	9.83E-05	3.50E-03
6083	639736.2	4166348.9	Worker	Scenario 3	4.16E-02	9.78E-05	3.40E-03
6084	639836.2	4166348.9	Worker	Scenario 3	5.25E-02	1.25E-04	4.92E-03
6085	639936.2	4166348.9	Worker	Scenario 3	5.56E-02	1.33E-04	5.20E-03
6086	640036.2	4166348.9	Worker	Scenario 3	5.86E-02	1.39E-04	5.00E-03
6087	640136.2	4166348.9	Worker	Scenario 3	6.12E-02	1.44E-04	5.42E-03
6088	640236.2	4166348.9	Worker	Scenario 3	6.78E-02	1.61E-04	6.57E-03
6089	640336.2	4166348.9	Worker	Scenario 3	7.79E-02	1.87E-04	7.30E-03
6090	640436.2	4166348.9	Worker	Scenario 3	9.32E-02	2.23E-04	9.15E-03
6091	640536.2	4166348.9	Worker	Scenario 3	1.08E-01	2.59E-04	1.00E-02
6092	640636.2	4166348.9	Worker	Scenario 3	1.20E-01	2.90E-04	1.09E-02
6093	640736.2	4166348.9	Worker	Scenario 3	1.29E-01	3.13E-04	1.40E-02
6094	640836.2	4166348.9	Worker	Scenario 3	1.32E-01	3.23E-04	1.61E-02
6095	640936.2	4166348.9	Worker	Scenario 3	1.39E-01	3.45E-04	1.75E-02
6096	641036.2	4166348.9	Worker	Scenario 3	1.48E-01	3.67E-04	1.56E-02
6097	641136.2	4166348.9	Worker	Scenario 3	1.63E-01	4.04E-04	1.56E-02
6098	641236.2	4166348.9	Worker	Scenario 3	1.77E-01	4.35E-04	1.86E-02

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6099	641336.2	4166348.9	Worker	Scenario 3	1.92E-01	4.65E-04	1.82E-02
6100	641436.2	4166348.9	Worker	Scenario 3	2.11E-01	5.07E-04	1.63E-02
6101	641536.2	4166348.9	Worker	Scenario 3	2.33E-01	5.70E-04	1.94E-02
6102	641636.2	4166348.9	Worker	Scenario 3	2.60E-01	6.49E-04	1.95E-02
6103	641936.2	4166348.9	Worker	Scenario 3	3.43E-01	8.57E-04	1.27E-02
6104	642036.2	4166348.9	Worker	Scenario 3	3.76E-01	9.42E-04	1.07E-02
6105	642136.2	4166348.9	Worker	Scenario 3	3.96E-01	9.95E-04	8.67E-03
6106	642236.2	4166348.9	Worker	Scenario 3	4.02E-01	1.00E-03	8.43E-03
6107	642336.2	4166348.9	Worker	Scenario 3	4.00E-01	9.93E-04	7.57E-03
6108	642436.2	4166348.9	Worker	Scenario 3	3.94E-01	9.69E-04	7.08E-03
6109	642536.2	4166348.9	Worker	Scenario 3	3.87E-01	9.41E-04	6.73E-03
6110	642636.2	4166348.9	Worker	Scenario 3	3.80E-01	9.15E-04	5.82E-03
6111	642736.2	4166348.9	Worker	Scenario 3	3.74E-01	8.94E-04	5.83E-03
6112	642836.2	4166348.9	Worker	Scenario 3	3.68E-01	8.75E-04	5.88E-03
6113	643036.2	4166348.9	Worker	Scenario 3	3.66E-01	8.62E-04	4.69E-03
6114	643136.2	4166348.9	Worker	Scenario 3	3.68E-01	8.61E-04	4.38E-03
6115	643236.2	4166348.9	Worker	Scenario 3	3.70E-01	8.62E-04	4.34E-03
6116	643336.2	4166348.9	Worker	Scenario 3	3.73E-01	8.63E-04	4.10E-03
6117	643436.2	4166348.9	Worker	Scenario 3	3.74E-01	8.63E-04	3.81E-03
6118	643536.2	4166348.9	Worker	Scenario 3	3.72E-01	8.57E-04	3.66E-03
6119	643636.2	4166348.9	Worker	Scenario 3	3.70E-01	8.49E-04	3.41E-03
6120	643736.2	4166348.9	Worker	Scenario 3	3.71E-01	8.49E-04	3.24E-03
6121	643836.2	4166348.9	Worker	Scenario 3	3.70E-01	8.44E-04	2.87E-03
6122	643936.2	4166348.9	Worker	Scenario 3	3.69E-01	8.40E-04	2.56E-03
6123	644036.2	4166348.9	Worker	Scenario 3	3.68E-01	8.35E-04	2.37E-03
6124	644136.2	4166348.9	Worker	Scenario 3	3.60E-01	8.16E-04	2.51E-03
6125	644236.2	4166348.9	Worker	Scenario 3	3.50E-01	7.95E-04	2.54E-03
6126	644336.2	4166348.9	Worker	Scenario 3	3.41E-01	7.74E-04	2.51E-03
6127	644436.2	4166348.9	Worker	Scenario 3	3.32E-01	7.53E-04	2.46E-03
6128	644536.2	4166348.9	Worker	Scenario 3	3.24E-01	7.34E-04	2.52E-03
6129	644636.2	4166348.9	Worker	Scenario 3	3.11E-01	7.07E-04	2.86E-03
6130	644736.2	4166348.9	Worker	Scenario 3	3.05E-01	6.92E-04	3.10E-03
6131	644836.2	4166348.9	Worker	Scenario 3	2.98E-01	6.77E-04	3.32E-03
6132	644936.2	4166348.9	Worker	Scenario 3	2.93E-01	6.63E-04	3.48E-03
6133	645036.2	4166348.9	Worker	Scenario 3	2.87E-01	6.50E-04	3.59E-03
6134	645136.2	4166348.9	Worker	Scenario 3	2.81E-01	6.36E-04	3.66E-03
6135	645236.2	4166348.9	Worker	Scenario 3	2.75E-01	6.22E-04	3.70E-03
6136	645336.2	4166348.9	Worker	Scenario 3	2.70E-01	6.09E-04	3.67E-03
6137	645436.2	4166348.9	Worker	Scenario 3	2.64E-01	5.96E-04	3.63E-03
6138	645536.2	4166348.9	Worker	Scenario 3	2.59E-01	5.84E-04	3.53E-03
6139	645636.2	4166348.9	Worker	Scenario 3	2.54E-01	5.72E-04	3.39E-03
6140	645736.2	4166348.9	Worker	Scenario 3	2.49E-01	5.61E-04	3.23E-03
6141	645836.2	4166348.9	Worker	Scenario 3	2.44E-01	5.50E-04	3.06E-03
6142	645936.2	4166348.9	Worker	Scenario 3	2.40E-01	5.39E-04	2.88E-03
6143	646036.2	4166348.9	Worker	Scenario 3	2.35E-01	5.28E-04	2.70E-03
6144	646136.2	4166348.9	Worker	Scenario 3	2.30E-01	5.17E-04	2.51E-03
6145	646336.2	4166348.9	Worker	Scenario 3	2.20E-01	4.95E-04	2.15E-03
6146	646436.2	4166348.9	Worker	Scenario 3	2.16E-01	4.84E-04	1.98E-03
6147	646536.2	4166348.9	Worker	Scenario 3	2.11E-01	4.73E-04	1.81E-03
6148	646636.2	4166348.9	Worker	Scenario 3	2.06E-01	4.62E-04	1.66E-03
6149	646736.2	4166348.9	Worker	Scenario 3	2.01E-01	4.51E-04	1.52E-03
6150	646836.2	4166348.9	Worker	Scenario 3	1.97E-01	4.41E-04	1.38E-03
6151	637936.2	4166448.9	Worker	Scenario 3	2.00E-02	4.59E-05	1.17E-03
6152	638036.2	4166448.9	Worker	Scenario 3	2.09E-02	4.80E-05	1.37E-03
6153	638136.2	4166448.9	Worker	Scenario 3	2.15E-02	4.95E-05	1.58E-03
6154	638236.2	4166448.9	Worker	Scenario 3	2.25E-02	5.20E-05	1.79E-03
6155	638336.2	4166448.9	Worker	Scenario 3	2.99E-02	6.96E-05	2.68E-03
6156	638436.2	4166448.9	Worker	Scenario 3	2.58E-02	6.02E-05	2.74E-03
6157	638536.2	4166448.9	Worker	Scenario 3	2.32E-02	5.39E-05	3.61E-03
6158	638636.2	4166448.9	Worker	Scenario 3	2.62E-02	6.13E-05	4.63E-03
6159	638736.2	4166448.9	Worker	Scenario 3	2.91E-02	6.86E-05	5.75E-03
6160	638836.2	4166448.9	Worker	Scenario 3	3.04E-02	7.21E-05	6.84E-03
6161	638936.2	4166448.9	Worker	Scenario 3	3.03E-02	7.20E-05	7.73E-03
6162	639036.2	4166448.9	Worker	Scenario 3	3.73E-02	8.94E-05	8.21E-03
6163	639136.2	4166448.9	Worker	Scenario 3	3.48E-02	8.29E-05	8.11E-03
6164	639236.2	4166448.9	Worker	Scenario 3	3.73E-02	8.89E-05	7.37E-03
6165	639336.2	4166448.9	Worker	Scenario 3	4.06E-02	9.63E-05	6.09E-03
6166	639436.2	4166448.9	Worker	Scenario 3	4.39E-02	1.04E-04	4.53E-03
6167	639536.2	4166448.9	Worker	Scenario 3	5.00E-02	1.18E-04	4.24E-03
6168	639636.2	4166448.9	Worker	Scenario 3	5.56E-02	1.31E-04	4.95E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
6169	639736.2	4166448.9	Worker	Scenario 3	6.09E-02	1.44E-04	5.24E-03
6170	639836.2	4166448.9	Worker	Scenario 3	6.91E-02	1.64E-04	6.21E-03
6171	639936.2	4166448.9	Worker	Scenario 3	7.59E-02	1.81E-04	7.47E-03
6172	640036.2	4166448.9	Worker	Scenario 3	8.24E-02	1.98E-04	8.82E-03
6173	640136.2	4166448.9	Worker	Scenario 3	8.41E-02	2.02E-04	8.73E-03
6174	640236.2	4166448.9	Worker	Scenario 3	8.51E-02	2.02E-04	6.11E-03
6175	640336.2	4166448.9	Worker	Scenario 3	9.48E-02	2.26E-04	9.15E-03
6176	640436.2	4166448.9	Worker	Scenario 3	1.07E-01	2.58E-04	1.17E-02
6177	640536.2	4166448.9	Worker	Scenario 3	1.21E-01	2.92E-04	1.10E-02
6178	641436.2	4166448.9	Worker	Scenario 3	2.64E-01	6.34E-04	1.91E-02
6179	641536.2	4166448.9	Worker	Scenario 3	2.92E-01	7.17E-04	2.19E-02
6180	641736.2	4166448.9	Worker	Scenario 3	3.64E-01	9.15E-04	1.98E-02
6181	641836.2	4166448.9	Worker	Scenario 3	3.98E-01	9.97E-04	1.67E-02
6182	641936.2	4166448.9	Worker	Scenario 3	4.37E-01	1.10E-03	1.41E-02
6183	642036.2	4166448.9	Worker	Scenario 3	4.69E-01	1.18E-03	1.02E-02
6184	642136.2	4166448.9	Worker	Scenario 3	4.81E-01	1.21E-03	1.00E-02
6185	642236.2	4166448.9	Worker	Scenario 3	4.80E-01	1.20E-03	9.13E-03
6186	642336.2	4166448.9	Worker	Scenario 3	4.70E-01	1.16E-03	8.26E-03
6187	642436.2	4166448.9	Worker	Scenario 3	4.59E-01	1.12E-03	7.85E-03
6188	642536.2	4166448.9	Worker	Scenario 3	4.49E-01	1.08E-03	6.34E-03
6189	642636.2	4166448.9	Worker	Scenario 3	4.42E-01	1.06E-03	6.89E-03
6190	642936.2	4166448.9	Worker	Scenario 3	4.19E-01	9.92E-04	5.12E-03
6191	643036.2	4166448.9	Worker	Scenario 3	4.24E-01	9.95E-04	5.05E-03
6192	643136.2	4166448.9	Worker	Scenario 3	4.24E-01	9.90E-04	4.78E-03
6193	643236.2	4166448.9	Worker	Scenario 3	4.26E-01	9.91E-04	4.41E-03
6194	643336.2	4166448.9	Worker	Scenario 3	4.29E-01	9.93E-04	4.17E-03
6195	643436.2	4166448.9	Worker	Scenario 3	4.31E-01	9.93E-04	3.89E-03
6196	643536.2	4166448.9	Worker	Scenario 3	4.33E-01	9.94E-04	3.60E-03
6197	643636.2	4166448.9	Worker	Scenario 3	4.35E-01	9.94E-04	3.14E-03
6198	643736.2	4166448.9	Worker	Scenario 3	4.35E-01	9.91E-04	2.78E-03
6199	643836.2	4166448.9	Worker	Scenario 3	4.32E-01	9.81E-04	2.89E-03
6200	643936.2	4166448.9	Worker	Scenario 3	4.25E-01	9.63E-04	2.96E-03
6201	644036.2	4166448.9	Worker	Scenario 3	4.15E-01	9.40E-04	2.89E-03
6202	644136.2	4166448.9	Worker	Scenario 3	4.03E-01	9.13E-04	2.83E-03
6203	644236.2	4166448.9	Worker	Scenario 3	3.91E-01	8.86E-04	2.87E-03
6204	644336.2	4166448.9	Worker	Scenario 3	3.80E-01	8.61E-04	3.13E-03
6205	644436.2	4166448.9	Worker	Scenario 3	3.70E-01	8.37E-04	3.41E-03
6206	644536.2	4166448.9	Worker	Scenario 3	3.60E-01	8.15E-04	3.64E-03
6207	644636.2	4166448.9	Worker	Scenario 3	3.46E-01	7.85E-04	3.93E-03
6208	644736.2	4166448.9	Worker	Scenario 3	3.39E-01	7.67E-04	4.01E-03
6209	644836.2	4166448.9	Worker	Scenario 3	3.31E-01	7.49E-04	4.03E-03
6210	644936.2	4166448.9	Worker	Scenario 3	3.24E-01	7.32E-04	3.99E-03
6211	645036.2	4166448.9	Worker	Scenario 3	3.17E-01	7.15E-04	3.91E-03
6212	645136.2	4166448.9	Worker	Scenario 3	3.09E-01	6.98E-04	3.80E-03
6213	645236.2	4166448.9	Worker	Scenario 3	3.02E-01	6.80E-04	3.67E-03
6214	645336.2	4166448.9	Worker	Scenario 3	2.95E-01	6.65E-04	3.49E-03
6215	645436.2	4166448.9	Worker	Scenario 3	2.88E-01	6.48E-04	3.32E-03
6216	645536.2	4166448.9	Worker	Scenario 3	2.82E-01	6.34E-04	3.10E-03
6217	645636.2	4166448.9	Worker	Scenario 3	2.76E-01	6.19E-04	2.89E-03
6218	645736.2	4166448.9	Worker	Scenario 3	2.69E-01	6.05E-04	2.67E-03
6219	645836.2	4166448.9	Worker	Scenario 3	2.63E-01	5.91E-04	2.45E-03
6220	645936.2	4166448.9	Worker	Scenario 3	2.57E-01	5.78E-04	2.24E-03
6221	646036.2	4166448.9	Worker	Scenario 3	2.52E-01	5.64E-04	2.04E-03
6222	646136.2	4166448.9	Worker	Scenario 3	2.46E-01	5.51E-04	1.86E-03
6223	646336.2	4166448.9	Worker	Scenario 3	2.34E-01	5.24E-04	1.53E-03
6224	646436.2	4166448.9	Worker	Scenario 3	2.28E-01	5.11E-04	1.41E-03
6225	646536.2	4166448.9	Worker	Scenario 3	2.22E-01	4.98E-04	1.32E-03
6226	646636.2	4166448.9	Worker	Scenario 3	2.17E-01	4.85E-04	1.24E-03
6227	646736.2	4166448.9	Worker	Scenario 3	2.11E-01	4.74E-04	1.18E-03
6228	646836.2	4166448.9	Worker	Scenario 3	2.06E-01	4.62E-04	1.14E-03
6229	637736.2	4166548.9	Worker	Scenario 3	2.16E-02	4.95E-05	1.32E-03
6230	637836.2	4166548.9	Worker	Scenario 3	1.98E-02	4.53E-05	8.41E-04
6231	637936.2	4166548.9	Worker	Scenario 3	2.05E-02	4.71E-05	9.40E-04
6232	638036.2	4166548.9	Worker	Scenario 3	2.16E-02	4.96E-05	1.03E-03
6233	638136.2	4166548.9	Worker	Scenario 3	2.33E-02	5.37E-05	1.17E-03
6234	638236.2	4166548.9	Worker	Scenario 3	2.77E-02	6.39E-05	2.36E-03
6235	638336.2	4166548.9	Worker	Scenario 3	2.87E-02	6.63E-05	2.43E-03
6236	638436.2	4166548.9	Worker	Scenario 3	2.94E-02	6.82E-05	2.45E-03
6237	638536.2	4166548.9	Worker	Scenario 3	2.93E-02	6.81E-05	2.48E-03
6238	638636.2	4166548.9	Worker	Scenario 3	3.15E-02	7.34E-05	2.80E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6239	638736.2	4166548.9	Worker	Scenario 3	3.35E-02	7.83E-05	3.04E-03
6240	638836.2	4166548.9	Worker	Scenario 3	3.71E-02	8.73E-05	3.79E-03
6241	638936.2	4166548.9	Worker	Scenario 3	3.97E-02	9.37E-05	4.99E-03
6242	639036.2	4166548.9	Worker	Scenario 3	4.63E-02	1.10E-04	6.31E-03
6243	639136.2	4166548.9	Worker	Scenario 3	5.14E-02	1.23E-04	7.59E-03
6244	639236.2	4166548.9	Worker	Scenario 3	5.62E-02	1.35E-04	8.59E-03
6245	639336.2	4166548.9	Worker	Scenario 3	5.28E-02	1.27E-04	9.02E-03
6246	639436.2	4166548.9	Worker	Scenario 3	5.48E-02	1.32E-04	8.67E-03
6247	639536.2	4166548.9	Worker	Scenario 3	5.66E-02	1.36E-04	7.50E-03
6248	639636.2	4166548.9	Worker	Scenario 3	6.38E-02	1.52E-04	6.02E-03
6249	639736.2	4166548.9	Worker	Scenario 3	6.75E-02	1.61E-04	6.12E-03
6250	639836.2	4166548.9	Worker	Scenario 3	7.42E-02	1.76E-04	6.99E-03
6251	639936.2	4166548.9	Worker	Scenario 3	8.27E-02	1.97E-04	7.64E-03
6252	640036.2	4166548.9	Worker	Scenario 3	9.19E-02	2.20E-04	7.17E-03
6253	640136.2	4166548.9	Worker	Scenario 3	9.62E-02	2.32E-04	1.04E-02
6254	640236.2	4166548.9	Worker	Scenario 3	9.95E-02	2.41E-04	1.06E-02
6255	640336.2	4166548.9	Worker	Scenario 3	1.09E-01	2.61E-04	9.79E-03
6256	640436.2	4166548.9	Worker	Scenario 3	1.20E-01	2.88E-04	1.07E-02
6257	640536.2	4166548.9	Worker	Scenario 3	1.34E-01	3.26E-04	1.40E-02
6258	641636.2	4166548.9	Worker	Scenario 3	4.24E-01	1.06E-03	2.28E-02
6259	641736.2	4166548.9	Worker	Scenario 3	4.71E-01	1.18E-03	2.35E-02
6260	641836.2	4166548.9	Worker	Scenario 3	5.26E-01	1.32E-03	1.66E-02
6261	641936.2	4166548.9	Worker	Scenario 3	5.71E-01	1.43E-03	1.52E-02
6262	642036.2	4166548.9	Worker	Scenario 3	5.96E-01	1.50E-03	1.17E-02
6263	642136.2	4166548.9	Worker	Scenario 3	5.98E-01	1.49E-03	1.11E-02
6264	642236.2	4166548.9	Worker	Scenario 3	5.83E-01	1.44E-03	9.80E-03
6265	642336.2	4166548.9	Worker	Scenario 3	5.63E-01	1.38E-03	9.29E-03
6266	642436.2	4166548.9	Worker	Scenario 3	5.44E-01	1.32E-03	7.53E-03
6267	642536.2	4166548.9	Worker	Scenario 3	5.30E-01	1.28E-03	8.23E-03
6268	642836.2	4166548.9	Worker	Scenario 3	5.01E-01	1.19E-03	6.03E-03
6269	642936.2	4166548.9	Worker	Scenario 3	4.92E-01	1.16E-03	5.75E-03
6270	643036.2	4166548.9	Worker	Scenario 3	4.94E-01	1.16E-03	5.20E-03
6271	643136.2	4166548.9	Worker	Scenario 3	4.94E-01	1.15E-03	4.84E-03
6272	643236.2	4166548.9	Worker	Scenario 3	4.98E-01	1.15E-03	4.53E-03
6273	643336.2	4166548.9	Worker	Scenario 3	5.01E-01	1.16E-03	4.05E-03
6274	643436.2	4166548.9	Worker	Scenario 3	5.04E-01	1.16E-03	3.51E-03
6275	643536.2	4166548.9	Worker	Scenario 3	5.07E-01	1.16E-03	3.36E-03
6276	643636.2	4166548.9	Worker	Scenario 3	5.09E-01	1.16E-03	3.49E-03
6277	643736.2	4166548.9	Worker	Scenario 3	5.06E-01	1.15E-03	3.43E-03
6278	643836.2	4166548.9	Worker	Scenario 3	4.98E-01	1.13E-03	3.30E-03
6279	643936.2	4166548.9	Worker	Scenario 3	4.85E-01	1.10E-03	3.31E-03
6280	644036.2	4166548.9	Worker	Scenario 3	4.71E-01	1.06E-03	3.60E-03
6281	644136.2	4166548.9	Worker	Scenario 3	4.56E-01	1.03E-03	3.90E-03
6282	644236.2	4166548.9	Worker	Scenario 3	4.42E-01	9.98E-04	4.13E-03
6283	644336.2	4166548.9	Worker	Scenario 3	4.29E-01	9.68E-04	4.27E-03
6284	644436.2	4166548.9	Worker	Scenario 3	4.16E-01	9.39E-04	4.34E-03
6285	644536.2	4166548.9	Worker	Scenario 3	4.05E-01	9.12E-04	4.33E-03
6286	644636.2	4166548.9	Worker	Scenario 3	3.90E-01	8.79E-04	4.35E-03
6287	644736.2	4166548.9	Worker	Scenario 3	3.79E-01	8.55E-04	4.20E-03
6288	644836.2	4166548.9	Worker	Scenario 3	3.70E-01	8.32E-04	3.99E-03
6289	644936.2	4166548.9	Worker	Scenario 3	3.60E-01	8.11E-04	3.76E-03
6290	645036.2	4166548.9	Worker	Scenario 3	3.51E-01	7.89E-04	3.52E-03
6291	645136.2	4166548.9	Worker	Scenario 3	3.41E-01	7.67E-04	3.28E-03
6292	645236.2	4166548.9	Worker	Scenario 3	3.32E-01	7.46E-04	3.04E-03
6293	645336.2	4166548.9	Worker	Scenario 3	3.23E-01	7.26E-04	2.79E-03
6294	645436.2	4166548.9	Worker	Scenario 3	3.15E-01	7.06E-04	2.56E-03
6295	645536.2	4166548.9	Worker	Scenario 3	3.06E-01	6.87E-04	2.33E-03
6296	645636.2	4166548.9	Worker	Scenario 3	2.99E-01	6.69E-04	2.11E-03
6297	645736.2	4166548.9	Worker	Scenario 3	2.91E-01	6.52E-04	1.90E-03
6298	645836.2	4166548.9	Worker	Scenario 3	2.83E-01	6.35E-04	1.71E-03
6299	645936.2	4166548.9	Worker	Scenario 3	2.76E-01	6.18E-04	1.59E-03
6300	646036.2	4166548.9	Worker	Scenario 3	2.69E-01	6.01E-04	1.48E-03
6301	646136.2	4166548.9	Worker	Scenario 3	2.61E-01	5.85E-04	1.40E-03
6302	646336.2	4166548.9	Worker	Scenario 3	2.47E-01	5.53E-04	1.29E-03
6303	646436.2	4166548.9	Worker	Scenario 3	2.40E-01	5.37E-04	1.24E-03
6304	646536.2	4166548.9	Worker	Scenario 3	2.33E-01	5.23E-04	1.19E-03
6305	646636.2	4166548.9	Worker	Scenario 3	2.27E-01	5.09E-04	1.13E-03
6306	646936.2	4166548.9	Worker	Scenario 3	2.10E-01	4.71E-04	9.98E-04
6307	637636.2	4166648.9	Worker	Scenario 3	2.59E-02	6.00E-05	2.14E-03
6308	637736.2	4166648.9	Worker	Scenario 3	2.65E-02	6.14E-05	2.17E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6309	637836.2	4166648.9	Worker	Scenario 3	2.64E-02	6.11E-05	2.16E-03
6310	637936.2	4166648.9	Worker	Scenario 3	2.61E-02	6.05E-05	2.11E-03
6311	638036.2	4166648.9	Worker	Scenario 3	3.00E-02	6.94E-05	2.55E-03
6312	638136.2	4166648.9	Worker	Scenario 3	3.03E-02	7.00E-05	2.53E-03
6313	638236.2	4166648.9	Worker	Scenario 3	3.21E-02	7.41E-05	2.59E-03
6314	638336.2	4166648.9	Worker	Scenario 3	3.17E-02	7.32E-05	2.40E-03
6315	638436.2	4166648.9	Worker	Scenario 3	3.47E-02	8.03E-05	2.46E-03
6316	638536.2	4166648.9	Worker	Scenario 3	3.69E-02	8.52E-05	2.53E-03
6317	638636.2	4166648.9	Worker	Scenario 3	3.88E-02	8.97E-05	2.89E-03
6318	638736.2	4166648.9	Worker	Scenario 3	4.09E-02	9.47E-05	3.25E-03
6319	638836.2	4166648.9	Worker	Scenario 3	4.17E-02	9.68E-05	3.50E-03
6320	638936.2	4166648.9	Worker	Scenario 3	4.46E-02	1.04E-04	3.71E-03
6321	639036.2	4166648.9	Worker	Scenario 3	4.95E-02	1.16E-04	4.16E-03
6322	639136.2	4166648.9	Worker	Scenario 3	5.58E-02	1.31E-04	5.12E-03
6323	639236.2	4166648.9	Worker	Scenario 3	6.20E-02	1.46E-04	6.04E-03
6324	639336.2	4166648.9	Worker	Scenario 3	6.31E-02	1.50E-04	6.99E-03
6325	639436.2	4166648.9	Worker	Scenario 3	6.09E-02	1.46E-04	8.53E-03
6326	639536.2	4166648.9	Worker	Scenario 3	6.51E-02	1.57E-04	9.67E-03
6327	639636.2	4166648.9	Worker	Scenario 3	6.63E-02	1.60E-04	9.98E-03
6328	639736.2	4166648.9	Worker	Scenario 3	7.35E-02	1.77E-04	9.19E-03
6329	639836.2	4166648.9	Worker	Scenario 3	8.01E-02	1.93E-04	7.53E-03
6330	639936.2	4166648.9	Worker	Scenario 3	8.80E-02	2.11E-04	8.73E-03
6331	640036.2	4166648.9	Worker	Scenario 3	9.80E-02	2.35E-04	8.83E-03
6332	640136.2	4166648.9	Worker	Scenario 3	1.08E-01	2.60E-04	9.92E-03
6333	640236.2	4166648.9	Worker	Scenario 3	1.14E-01	2.76E-04	1.00E-02
6334	640336.2	4166648.9	Worker	Scenario 3	1.24E-01	3.01E-04	1.33E-02
6335	640436.2	4166648.9	Worker	Scenario 3	1.36E-01	3.30E-04	1.41E-02
6336	640536.2	4166648.9	Worker	Scenario 3	1.52E-01	3.69E-04	1.10E-02
6337	641536.2	4166648.9	Worker	Scenario 3	5.35E-01	1.30E-03	2.80E-02
6338	641636.2	4166648.9	Worker	Scenario 3	5.77E-01	1.44E-03	2.65E-02
6339	641736.2	4166648.9	Worker	Scenario 3	6.55E-01	1.64E-03	2.29E-02
6340	641836.2	4166648.9	Worker	Scenario 3	7.30E-01	1.83E-03	1.94E-02
6341	641936.2	4166648.9	Worker	Scenario 3	7.84E-01	1.97E-03	1.45E-02
6342	642036.2	4166648.9	Worker	Scenario 3	7.89E-01	1.97E-03	1.35E-02
6343	642136.2	4166648.9	Worker	Scenario 3	7.67E-01	1.89E-03	1.19E-02
6344	642236.2	4166648.9	Worker	Scenario 3	7.27E-01	1.78E-03	1.11E-02
6345	642336.2	4166648.9	Worker	Scenario 3	6.91E-01	1.67E-03	9.63E-03
6346	642436.2	4166648.9	Worker	Scenario 3	6.62E-01	1.59E-03	9.61E-03
6347	642736.2	4166648.9	Worker	Scenario 3	6.06E-01	1.44E-03	7.00E-03
6348	642836.2	4166648.9	Worker	Scenario 3	5.99E-01	1.42E-03	6.32E-03
6349	642936.2	4166648.9	Worker	Scenario 3	5.86E-01	1.38E-03	5.80E-03
6350	643036.2	4166648.9	Worker	Scenario 3	5.86E-01	1.37E-03	5.33E-03
6351	643136.2	4166648.9	Worker	Scenario 3	5.87E-01	1.37E-03	4.58E-03
6352	643236.2	4166648.9	Worker	Scenario 3	5.92E-01	1.37E-03	3.99E-03
6353	643336.2	4166648.9	Worker	Scenario 3	5.97E-01	1.37E-03	4.21E-03
6354	643436.2	4166648.9	Worker	Scenario 3	6.03E-01	1.38E-03	4.16E-03
6355	643536.2	4166648.9	Worker	Scenario 3	6.06E-01	1.38E-03	3.93E-03
6356	643636.2	4166648.9	Worker	Scenario 3	6.05E-01	1.37E-03	3.87E-03
6357	643736.2	4166648.9	Worker	Scenario 3	5.97E-01	1.35E-03	4.19E-03
6358	643836.2	4166648.9	Worker	Scenario 3	5.81E-01	1.31E-03	4.51E-03
6359	643936.2	4166648.9	Worker	Scenario 3	5.62E-01	1.27E-03	4.72E-03
6360	644036.2	4166648.9	Worker	Scenario 3	5.43E-01	1.22E-03	4.82E-03
6361	644136.2	4166648.9	Worker	Scenario 3	5.25E-01	1.18E-03	4.81E-03
6362	644236.2	4166648.9	Worker	Scenario 3	5.09E-01	1.14E-03	4.72E-03
6363	644336.2	4166648.9	Worker	Scenario 3	4.93E-01	1.11E-03	4.55E-03
6364	644436.2	4166648.9	Worker	Scenario 3	4.77E-01	1.07E-03	4.33E-03
6365	644536.2	4166648.9	Worker	Scenario 3	4.61E-01	1.03E-03	4.07E-03
6366	644636.2	4166648.9	Worker	Scenario 3	4.43E-01	9.93E-04	3.84E-03
6367	644736.2	4166648.9	Worker	Scenario 3	4.29E-01	9.62E-04	3.52E-03
6368	644836.2	4166648.9	Worker	Scenario 3	4.16E-01	9.32E-04	3.20E-03
6369	644936.2	4166648.9	Worker	Scenario 3	4.03E-01	9.02E-04	2.89E-03
6370	645036.2	4166648.9	Worker	Scenario 3	3.90E-01	8.73E-04	2.61E-03
6371	645136.2	4166648.9	Worker	Scenario 3	3.77E-01	8.44E-04	2.35E-03
6372	645236.2	4166648.9	Worker	Scenario 3	3.65E-01	8.17E-04	2.12E-03
6373	645336.2	4166648.9	Worker	Scenario 3	3.54E-01	7.92E-04	1.95E-03
6374	645436.2	4166648.9	Worker	Scenario 3	3.43E-01	7.67E-04	1.81E-03
6375	645536.2	4166648.9	Worker	Scenario 3	3.33E-01	7.44E-04	1.70E-03
6376	645636.2	4166648.9	Worker	Scenario 3	3.23E-01	7.21E-04	1.63E-03
6377	645736.2	4166648.9	Worker	Scenario 3	3.13E-01	7.00E-04	1.56E-03
6378	645836.2	4166648.9	Worker	Scenario 3	3.04E-01	6.78E-04	1.49E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6379	646836.2	4166648.9	Worker	Scenario 3	2.25E-01	5.03E-04	1.07E-03
6380	646936.2	4166648.9	Worker	Scenario 3	2.19E-01	4.90E-04	1.04E-03
6381	647036.2	4166648.9	Worker	Scenario 3	2.13E-01	4.77E-04	1.02E-03
6382	637436.2	4166748.9	Worker	Scenario 3	2.28E-02	5.28E-05	1.69E-03
6383	637536.2	4166748.9	Worker	Scenario 3	2.27E-02	5.24E-05	1.61E-03
6384	637636.2	4166748.9	Worker	Scenario 3	2.55E-02	5.91E-05	1.90E-03
6385	637736.2	4166748.9	Worker	Scenario 3	2.70E-02	6.29E-05	2.00E-03
6386	637836.2	4166748.9	Worker	Scenario 3	3.06E-02	7.11E-05	2.40E-03
6387	637936.2	4166748.9	Worker	Scenario 3	3.33E-02	7.75E-05	2.65E-03
6388	638036.2	4166748.9	Worker	Scenario 3	3.70E-02	8.59E-05	2.85E-03
6389	638136.2	4166748.9	Worker	Scenario 3	3.67E-02	8.53E-05	2.95E-03
6390	638236.2	4166748.9	Worker	Scenario 3	3.34E-02	7.77E-05	2.82E-03
6391	638336.2	4166748.9	Worker	Scenario 3	3.40E-02	7.92E-05	2.88E-03
6392	638436.2	4166748.9	Worker	Scenario 3	3.59E-02	8.36E-05	3.08E-03
6393	638536.2	4166748.9	Worker	Scenario 3	3.78E-02	8.79E-05	3.23E-03
6394	638636.2	4166748.9	Worker	Scenario 3	4.12E-02	9.56E-05	3.38E-03
6395	638736.2	4166748.9	Worker	Scenario 3	4.39E-02	1.02E-04	3.41E-03
6396	638836.2	4166748.9	Worker	Scenario 3	4.59E-02	1.06E-04	3.33E-03
6397	638936.2	4166748.9	Worker	Scenario 3	4.97E-02	1.15E-04	3.23E-03
6398	639036.2	4166748.9	Worker	Scenario 3	5.40E-02	1.25E-04	3.93E-03
6399	639136.2	4166748.9	Worker	Scenario 3	5.96E-02	1.38E-04	5.38E-03
6400	639236.2	4166748.9	Worker	Scenario 3	6.67E-02	1.55E-04	6.70E-03
6401	639336.2	4166748.9	Worker	Scenario 3	6.85E-02	1.60E-04	6.85E-03
6402	639436.2	4166748.9	Worker	Scenario 3	7.07E-02	1.66E-04	6.41E-03
6403	639536.2	4166748.9	Worker	Scenario 3	7.38E-02	1.75E-04	6.99E-03
6404	639636.2	4166748.9	Worker	Scenario 3	7.73E-02	1.85E-04	7.84E-03
6405	639736.2	4166748.9	Worker	Scenario 3	8.17E-02	1.97E-04	9.75E-03
6406	639836.2	4166748.9	Worker	Scenario 3	8.74E-02	2.11E-04	1.10E-02
6407	639936.2	4166748.9	Worker	Scenario 3	9.63E-02	2.33E-04	1.11E-02
6408	640036.2	4166748.9	Worker	Scenario 3	1.05E-01	2.55E-04	9.73E-03
6409	640136.2	4166748.9	Worker	Scenario 3	1.17E-01	2.84E-04	1.37E-02
6410	640236.2	4166748.9	Worker	Scenario 3	1.29E-01	3.12E-04	1.15E-02
6411	640336.2	4166748.9	Worker	Scenario 3	1.40E-01	3.41E-04	1.23E-02
6412	640436.2	4166748.9	Worker	Scenario 3	1.54E-01	3.76E-04	1.40E-02
6413	640536.2	4166748.9	Worker	Scenario 3	1.71E-01	4.21E-04	1.65E-02
6414	644536.2	4166748.9	Worker	Scenario 3	5.35E-01	1.19E-03	3.02E-03
6415	644636.2	4166748.9	Worker	Scenario 3	5.10E-01	1.14E-03	2.72E-03
6416	644836.2	4166748.9	Worker	Scenario 3	4.70E-01	1.05E-03	2.24E-03
6417	644936.2	4166748.9	Worker	Scenario 3	4.51E-01	1.01E-03	2.10E-03
6418	645036.2	4166748.9	Worker	Scenario 3	4.33E-01	9.65E-04	2.00E-03
6419	645136.2	4166748.9	Worker	Scenario 3	4.17E-01	9.28E-04	1.91E-03
6420	645236.2	4166748.9	Worker	Scenario 3	4.01E-01	8.93E-04	1.81E-03
6421	645336.2	4166748.9	Worker	Scenario 3	3.86E-01	8.61E-04	1.71E-03
6422	645436.2	4166748.9	Worker	Scenario 3	3.72E-01	8.30E-04	1.63E-03
6423	645536.2	4166748.9	Worker	Scenario 3	3.59E-01	8.01E-04	1.55E-03
6424	645636.2	4166748.9	Worker	Scenario 3	3.47E-01	7.73E-04	1.47E-03
6425	645736.2	4166748.9	Worker	Scenario 3	3.35E-01	7.46E-04	1.44E-03
6426	645936.2	4166748.9	Worker	Scenario 3	3.12E-01	6.96E-04	1.38E-03
6427	646036.2	4166748.9	Worker	Scenario 3	3.01E-01	6.71E-04	1.35E-03
6428	646436.2	4166748.9	Worker	Scenario 3	2.64E-01	5.89E-04	1.20E-03
6429	646536.2	4166748.9	Worker	Scenario 3	2.56E-01	5.71E-04	1.16E-03
6430	646636.2	4166748.9	Worker	Scenario 3	2.48E-01	5.54E-04	1.12E-03
6431	646736.2	4166748.9	Worker	Scenario 3	2.41E-01	5.38E-04	1.10E-03
6432	646836.2	4166748.9	Worker	Scenario 3	2.34E-01	5.23E-04	1.07E-03
6433	646936.2	4166748.9	Worker	Scenario 3	2.27E-01	5.08E-04	1.05E-03
6434	647036.2	4166748.9	Worker	Scenario 3	2.21E-01	4.94E-04	1.02E-03
6435	637336.2	4166848.9	Worker	Scenario 3	2.25E-02	5.19E-05	1.66E-03
6436	637436.2	4166848.9	Worker	Scenario 3	2.43E-02	5.61E-05	1.87E-03
6437	637536.2	4166848.9	Worker	Scenario 3	2.42E-02	5.61E-05	1.84E-03
6438	637636.2	4166848.9	Worker	Scenario 3	2.69E-02	6.25E-05	2.12E-03
6439	637736.2	4166848.9	Worker	Scenario 3	2.96E-02	6.87E-05	2.30E-03
6440	637836.2	4166848.9	Worker	Scenario 3	3.22E-02	7.49E-05	2.45E-03
6441	637936.2	4166848.9	Worker	Scenario 3	3.64E-02	8.47E-05	3.02E-03
6442	638036.2	4166848.9	Worker	Scenario 3	3.94E-02	9.15E-05	3.33E-03
6443	638136.2	4166848.9	Worker	Scenario 3	3.97E-02	9.23E-05	3.31E-03
6444	638236.2	4166848.9	Worker	Scenario 3	3.64E-02	8.50E-05	2.75E-03
6445	638336.2	4166848.9	Worker	Scenario 3	3.66E-02	8.56E-05	2.77E-03
6446	638436.2	4166848.9	Worker	Scenario 3	3.93E-02	9.19E-05	3.07E-03
6447	638536.2	4166848.9	Worker	Scenario 3	4.08E-02	9.55E-05	3.30E-03
6448	638636.2	4166848.9	Worker	Scenario 3	4.31E-02	1.01E-04	3.52E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6449	638736.2	4166848.9	Worker	Scenario 3	4.67E-02	1.09E-04	3.73E-03
6450	638836.2	4166848.9	Worker	Scenario 3	4.94E-02	1.15E-04	3.86E-03
6451	638936.2	4166848.9	Worker	Scenario 3	5.28E-02	1.23E-04	4.08E-03
6452	639036.2	4166848.9	Worker	Scenario 3	5.78E-02	1.34E-04	4.22E-03
6453	639136.2	4166848.9	Worker	Scenario 3	6.41E-02	1.49E-04	4.22E-03
6454	639236.2	4166848.9	Worker	Scenario 3	7.04E-02	1.63E-04	4.12E-03
6455	639336.2	4166848.9	Worker	Scenario 3	7.42E-02	1.72E-04	4.90E-03
6456	639436.2	4166848.9	Worker	Scenario 3	7.72E-02	1.80E-04	6.25E-03
6457	639536.2	4166848.9	Worker	Scenario 3	8.12E-02	1.90E-04	7.61E-03
6458	639636.2	4166848.9	Worker	Scenario 3	8.61E-02	2.02E-04	8.63E-03
6459	639736.2	4166848.9	Worker	Scenario 3	9.11E-02	2.15E-04	8.89E-03
6460	644836.2	4166848.9	Worker	Scenario 3	5.31E-01	1.18E-03	2.04E-03
6461	644936.2	4166848.9	Worker	Scenario 3	5.04E-01	1.12E-03	1.91E-03
6462	645036.2	4166848.9	Worker	Scenario 3	4.79E-01	1.06E-03	1.87E-03
6463	645136.2	4166848.9	Worker	Scenario 3	4.57E-01	1.01E-03	1.83E-03
6464	645236.2	4166848.9	Worker	Scenario 3	4.36E-01	9.69E-04	1.78E-03
6465	645336.2	4166848.9	Worker	Scenario 3	4.18E-01	9.29E-04	1.72E-03
6466	645436.2	4166848.9	Worker	Scenario 3	4.01E-01	8.91E-04	1.67E-03
6467	645536.2	4166848.9	Worker	Scenario 3	3.85E-01	8.55E-04	1.61E-03
6468	645636.2	4166848.9	Worker	Scenario 3	3.70E-01	8.22E-04	1.54E-03
6469	645836.2	4166848.9	Worker	Scenario 3	3.41E-01	7.59E-04	1.44E-03
6470	645936.2	4166848.9	Worker	Scenario 3	3.27E-01	7.28E-04	1.40E-03
6471	646436.2	4166848.9	Worker	Scenario 3	2.75E-01	6.13E-04	1.19E-03
6472	646536.2	4166848.9	Worker	Scenario 3	2.66E-01	5.93E-04	1.15E-03
6473	646636.2	4166848.9	Worker	Scenario 3	2.58E-01	5.75E-04	1.13E-03
6474	646736.2	4166848.9	Worker	Scenario 3	2.50E-01	5.58E-04	1.10E-03
6475	646836.2	4166848.9	Worker	Scenario 3	2.42E-01	5.41E-04	1.07E-03
6476	646936.2	4166848.9	Worker	Scenario 3	2.35E-01	5.25E-04	1.05E-03
6477	647036.2	4166848.9	Worker	Scenario 3	2.29E-01	5.11E-04	1.02E-03
6478	637136.2	4166948.9	Worker	Scenario 3	2.26E-02	5.22E-05	1.73E-03
6479	637236.2	4166948.9	Worker	Scenario 3	2.34E-02	5.41E-05	1.79E-03
6480	637336.2	4166948.9	Worker	Scenario 3	2.34E-02	5.41E-05	1.75E-03
6481	637436.2	4166948.9	Worker	Scenario 3	2.60E-02	6.04E-05	2.00E-03
6482	637536.2	4166948.9	Worker	Scenario 3	2.62E-02	6.07E-05	1.98E-03
6483	637636.2	4166948.9	Worker	Scenario 3	2.89E-02	6.72E-05	2.16E-03
6484	637736.2	4166948.9	Worker	Scenario 3	3.13E-02	7.29E-05	2.26E-03
6485	637836.2	4166948.9	Worker	Scenario 3	3.02E-02	7.03E-05	2.22E-03
6486	637936.2	4166948.9	Worker	Scenario 3	3.15E-02	7.33E-05	2.37E-03
6487	638036.2	4166948.9	Worker	Scenario 3	3.66E-02	8.54E-05	2.66E-03
6488	638136.2	4166948.9	Worker	Scenario 3	4.43E-02	1.03E-04	2.87E-03
6489	638236.2	4166948.9	Worker	Scenario 3	3.88E-02	9.05E-05	2.91E-03
6490	638336.2	4166948.9	Worker	Scenario 3	3.88E-02	9.09E-05	3.00E-03
6491	638436.2	4166948.9	Worker	Scenario 3	4.39E-02	1.03E-04	3.42E-03
6492	638536.2	4166948.9	Worker	Scenario 3	4.34E-02	1.02E-04	3.44E-03
6493	638636.2	4166948.9	Worker	Scenario 3	4.61E-02	1.08E-04	3.81E-03
6494	638736.2	4166948.9	Worker	Scenario 3	4.91E-02	1.15E-04	4.13E-03
6495	638836.2	4166948.9	Worker	Scenario 3	5.32E-02	1.25E-04	4.46E-03
6496	638936.2	4166948.9	Worker	Scenario 3	5.62E-02	1.32E-04	4.56E-03
6497	639036.2	4166948.9	Worker	Scenario 3	6.08E-02	1.42E-04	4.93E-03
6498	639136.2	4166948.9	Worker	Scenario 3	6.58E-02	1.54E-04	5.22E-03
6499	639236.2	4166948.9	Worker	Scenario 3	7.16E-02	1.67E-04	5.88E-03
6500	639336.2	4166948.9	Worker	Scenario 3	7.87E-02	1.84E-04	6.46E-03
6501	639436.2	4166948.9	Worker	Scenario 3	8.53E-02	1.99E-04	6.63E-03
6502	639536.2	4166948.9	Worker	Scenario 3	8.86E-02	2.07E-04	6.22E-03
6503	639636.2	4166948.9	Worker	Scenario 3	9.46E-02	2.22E-04	5.62E-03
6504	639736.2	4166948.9	Worker	Scenario 3	1.01E-01	2.37E-04	6.56E-03
6505	639836.2	4166948.9	Worker	Scenario 3	1.08E-01	2.55E-04	8.73E-03
6506	639936.2	4166948.9	Worker	Scenario 3	1.17E-01	2.76E-04	1.08E-02
6507	640036.2	4166948.9	Worker	Scenario 3	1.29E-01	3.07E-04	1.22E-02
6508	640136.2	4166948.9	Worker	Scenario 3	1.41E-01	3.41E-04	1.41E-02
6509	640236.2	4166948.9	Worker	Scenario 3	1.56E-01	3.81E-04	2.06E-02
6510	640336.2	4166948.9	Worker	Scenario 3	1.73E-01	4.26E-04	2.67E-02
6511	640436.2	4166948.9	Worker	Scenario 3	1.92E-01	4.79E-04	2.93E-02
6512	640536.2	4166948.9	Worker	Scenario 3	2.14E-01	5.37E-04	2.57E-02
6513	640636.2	4166948.9	Worker	Scenario 3	2.37E-01	6.01E-04	1.79E-02
6514	640736.2	4166948.9	Worker	Scenario 3	2.73E-01	7.02E-04	1.82E-02
6515	645636.2	4166948.9	Worker	Scenario 3	3.88E-01	8.63E-04	1.55E-03
6516	637036.2	4167048.9	Worker	Scenario 3	2.10E-02	4.84E-05	1.29E-03
6517	637136.2	4167048.9	Worker	Scenario 3	2.44E-02	5.66E-05	1.66E-03
6518	637236.2	4167048.9	Worker	Scenario 3	2.59E-02	6.01E-05	1.79E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6519	637336.2	4167048.9	Worker	Scenario 3	2.44E-02	5.65E-05	1.71E-03
6520	637436.2	4167048.9	Worker	Scenario 3	2.74E-02	6.37E-05	1.98E-03
6521	637536.2	4167048.9	Worker	Scenario 3	2.80E-02	6.51E-05	2.06E-03
6522	637636.2	4167048.9	Worker	Scenario 3	2.81E-02	6.54E-05	2.11E-03
6523	637736.2	4167048.9	Worker	Scenario 3	2.91E-02	6.78E-05	2.21E-03
6524	637836.2	4167048.9	Worker	Scenario 3	3.28E-02	7.66E-05	2.46E-03
6525	637936.2	4167048.9	Worker	Scenario 3	3.40E-02	7.93E-05	2.57E-03
6526	638036.2	4167048.9	Worker	Scenario 3	3.73E-02	8.71E-05	2.92E-03
6527	638136.2	4167048.9	Worker	Scenario 3	4.38E-02	1.02E-04	3.72E-03
6528	638236.2	4167048.9	Worker	Scenario 3	4.42E-02	1.03E-04	3.75E-03
6529	638336.2	4167048.9	Worker	Scenario 3	4.18E-02	9.79E-05	3.33E-03
6530	638436.2	4167048.9	Worker	Scenario 3	4.74E-02	1.11E-04	3.95E-03
6531	638536.2	4167048.9	Worker	Scenario 3	4.61E-02	1.08E-04	3.62E-03
6532	638636.2	4167048.9	Worker	Scenario 3	5.01E-02	1.18E-04	3.91E-03
6533	638736.2	4167048.9	Worker	Scenario 3	5.20E-02	1.22E-04	3.88E-03
6534	638836.2	4167048.9	Worker	Scenario 3	5.66E-02	1.33E-04	4.10E-03
6535	638936.2	4167048.9	Worker	Scenario 3	6.08E-02	1.43E-04	4.14E-03
6536	639036.2	4167048.9	Worker	Scenario 3	6.47E-02	1.52E-04	4.54E-03
6537	639136.2	4167048.9	Worker	Scenario 3	6.96E-02	1.64E-04	5.18E-03
6538	639236.2	4167048.9	Worker	Scenario 3	7.57E-02	1.78E-04	5.80E-03
6539	639336.2	4167048.9	Worker	Scenario 3	8.23E-02	1.93E-04	6.32E-03
6540	639436.2	4167048.9	Worker	Scenario 3	9.02E-02	2.12E-04	6.68E-03
6541	639536.2	4167048.9	Worker	Scenario 3	9.58E-02	2.25E-04	6.98E-03
6542	639636.2	4167048.9	Worker	Scenario 3	1.03E-01	2.43E-04	7.33E-03
6543	639736.2	4167048.9	Worker	Scenario 3	1.11E-01	2.62E-04	8.48E-03
6544	639836.2	4167048.9	Worker	Scenario 3	1.20E-01	2.84E-04	9.37E-03
6545	639936.2	4167048.9	Worker	Scenario 3	1.30E-01	3.07E-04	9.84E-03
6546	640036.2	4167048.9	Worker	Scenario 3	1.43E-01	3.39E-04	9.71E-03
6547	640136.2	4167048.9	Worker	Scenario 3	1.56E-01	3.74E-04	9.15E-03
6548	640236.2	4167048.9	Worker	Scenario 3	1.72E-01	4.16E-04	1.17E-02
6549	640336.2	4167048.9	Worker	Scenario 3	1.91E-01	4.67E-04	1.38E-02
6550	640436.2	4167048.9	Worker	Scenario 3	2.15E-01	5.32E-04	1.58E-02
6551	640536.2	4167048.9	Worker	Scenario 3	2.40E-01	6.04E-04	2.44E-02
6552	641036.2	4167048.9	Worker	Scenario 3	4.53E-01	1.24E-03	3.57E-02
6553	641136.2	4167048.9	Worker	Scenario 3	5.65E-01	1.57E-03	4.39E-02
6554	644836.2	4167048.9	Worker	Scenario 3	6.52E-01	1.43E-03	2.10E-03
6555	644936.2	4167048.9	Worker	Scenario 3	5.96E-01	1.31E-03	2.01E-03
6556	645036.2	4167048.9	Worker	Scenario 3	5.55E-01	1.22E-03	1.92E-03
6557	645136.2	4167048.9	Worker	Scenario 3	5.21E-01	1.15E-03	1.84E-03
6558	645436.2	4167048.9	Worker	Scenario 3	4.44E-01	9.83E-04	1.60E-03
6559	645536.2	4167048.9	Worker	Scenario 3	4.23E-01	9.37E-04	1.53E-03
6560	645636.2	4167048.9	Worker	Scenario 3	4.04E-01	8.96E-04	1.48E-03
6561	645836.2	4167048.9	Worker	Scenario 3	3.70E-01	8.21E-04	1.41E-03
6562	645936.2	4167048.9	Worker	Scenario 3	3.55E-01	7.89E-04	1.37E-03
6563	646436.2	4167048.9	Worker	Scenario 3	2.94E-01	6.54E-04	1.20E-03
6564	646536.2	4167048.9	Worker	Scenario 3	2.84E-01	6.32E-04	1.17E-03
6565	646636.2	4167048.9	Worker	Scenario 3	2.74E-01	6.11E-04	1.14E-03
6566	646736.2	4167048.9	Worker	Scenario 3	2.65E-01	5.91E-04	1.11E-03
6567	646936.2	4167048.9	Worker	Scenario 3	2.49E-01	5.54E-04	1.05E-03
6568	647036.2	4167048.9	Worker	Scenario 3	2.41E-01	5.38E-04	1.02E-03
6569	636936.2	4167148.9	Worker	Scenario 3	2.24E-02	5.18E-05	1.71E-03
6570	637036.2	4167148.9	Worker	Scenario 3	2.14E-02	4.92E-05	1.55E-03
6571	637136.2	4167148.9	Worker	Scenario 3	2.36E-02	5.46E-05	1.79E-03
6572	637236.2	4167148.9	Worker	Scenario 3	2.53E-02	5.85E-05	1.92E-03
6573	637336.2	4167148.9	Worker	Scenario 3	2.71E-02	6.27E-05	2.03E-03
6574	637436.2	4167148.9	Worker	Scenario 3	2.88E-02	6.67E-05	2.12E-03
6575	637536.2	4167148.9	Worker	Scenario 3	2.89E-02	6.71E-05	2.14E-03
6576	637636.2	4167148.9	Worker	Scenario 3	2.78E-02	6.45E-05	2.05E-03
6577	637736.2	4167148.9	Worker	Scenario 3	3.18E-02	7.38E-05	2.29E-03
6578	637836.2	4167148.9	Worker	Scenario 3	3.27E-02	7.62E-05	2.34E-03
6579	637936.2	4167148.9	Worker	Scenario 3	3.61E-02	8.40E-05	2.76E-03
6580	638036.2	4167148.9	Worker	Scenario 3	4.13E-02	9.60E-05	3.62E-03
6581	638136.2	4167148.9	Worker	Scenario 3	4.13E-02	9.63E-05	3.48E-03
6582	638236.2	4167148.9	Worker	Scenario 3	5.06E-02	1.17E-04	4.56E-03
6583	638336.2	4167148.9	Worker	Scenario 3	4.53E-02	1.06E-04	3.84E-03
6584	638436.2	4167148.9	Worker	Scenario 3	4.95E-02	1.16E-04	4.30E-03
6585	638536.2	4167148.9	Worker	Scenario 3	4.96E-02	1.16E-04	4.09E-03
6586	638636.2	4167148.9	Worker	Scenario 3	5.27E-02	1.24E-04	4.33E-03
6587	638736.2	4167148.9	Worker	Scenario 3	5.58E-02	1.31E-04	4.50E-03
6588	638836.2	4167148.9	Worker	Scenario 3	6.06E-02	1.42E-04	4.82E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6589	638936.2	4167148.9	Worker	Scenario 3	6.42E-02	1.51E-04	5.04E-03
6590	639036.2	4167148.9	Worker	Scenario 3	6.91E-02	1.62E-04	5.51E-03
6591	639136.2	4167148.9	Worker	Scenario 3	7.45E-02	1.75E-04	5.99E-03
6592	639236.2	4167148.9	Worker	Scenario 3	8.06E-02	1.89E-04	6.45E-03
6593	639336.2	4167148.9	Worker	Scenario 3	8.74E-02	2.06E-04	6.85E-03
6594	639436.2	4167148.9	Worker	Scenario 3	9.64E-02	2.27E-04	7.22E-03
6595	639536.2	4167148.9	Worker	Scenario 3	1.05E-01	2.48E-04	7.52E-03
6596	639636.2	4167148.9	Worker	Scenario 3	1.12E-01	2.63E-04	7.77E-03
6597	639736.2	4167148.9	Worker	Scenario 3	1.21E-01	2.86E-04	7.92E-03
6598	639836.2	4167148.9	Worker	Scenario 3	1.32E-01	3.13E-04	7.95E-03
6599	639936.2	4167148.9	Worker	Scenario 3	1.44E-01	3.42E-04	7.99E-03
6600	640036.2	4167148.9	Worker	Scenario 3	1.58E-01	3.77E-04	8.47E-03
6601	640136.2	4167148.9	Worker	Scenario 3	1.73E-01	4.17E-04	9.18E-03
6602	640236.2	4167148.9	Worker	Scenario 3	1.92E-01	4.64E-04	1.10E-02
6603	640336.2	4167148.9	Worker	Scenario 3	2.14E-01	5.23E-04	1.25E-02
6604	640436.2	4167148.9	Worker	Scenario 3	2.41E-01	5.95E-04	1.35E-02
6605	640836.2	4167148.9	Worker	Scenario 3	3.91E-01	1.04E-03	3.06E-02
6606	640936.2	4167148.9	Worker	Scenario 3	4.48E-01	1.23E-03	4.58E-02
6607	641036.2	4167148.9	Worker	Scenario 3	5.36E-01	1.52E-03	4.29E-02
6608	641136.2	4167148.9	Worker	Scenario 3	6.83E-01	2.00E-03	4.73E-02
6609	644836.2	4167148.9	Worker	Scenario 3	6.86E-01	1.50E-03	2.10E-03
6610	644936.2	4167148.9	Worker	Scenario 3	6.26E-01	1.38E-03	2.02E-03
6611	645036.2	4167148.9	Worker	Scenario 3	5.81E-01	1.28E-03	1.94E-03
6612	645136.2	4167148.9	Worker	Scenario 3	5.44E-01	1.20E-03	1.86E-03
6613	645436.2	4167148.9	Worker	Scenario 3	4.61E-01	1.02E-03	1.66E-03
6614	645536.2	4167148.9	Worker	Scenario 3	4.38E-01	9.71E-04	1.60E-03
6615	645636.2	4167148.9	Worker	Scenario 3	4.18E-01	9.26E-04	1.54E-03
6616	645836.2	4167148.9	Worker	Scenario 3	3.81E-01	8.46E-04	1.43E-03
6617	645936.2	4167148.9	Worker	Scenario 3	3.65E-01	8.11E-04	1.38E-03
6618	646036.2	4167148.9	Worker	Scenario 3	3.51E-01	7.79E-04	1.33E-03
6619	646336.2	4167148.9	Worker	Scenario 3	3.12E-01	6.94E-04	1.19E-03
6620	646436.2	4167148.9	Worker	Scenario 3	3.01E-01	6.69E-04	1.15E-03
6621	646536.2	4167148.9	Worker	Scenario 3	2.90E-01	6.46E-04	1.11E-03
6622	646636.2	4167148.9	Worker	Scenario 3	2.80E-01	6.24E-04	1.08E-03
6623	646736.2	4167148.9	Worker	Scenario 3	2.71E-01	6.04E-04	1.04E-03
6624	646836.2	4167148.9	Worker	Scenario 3	2.62E-01	5.84E-04	1.01E-03
6625	646936.2	4167148.9	Worker	Scenario 3	2.54E-01	5.66E-04	9.86E-04
6626	647036.2	4167148.9	Worker	Scenario 3	2.46E-01	5.48E-04	9.63E-04
6627	636836.2	4167248.9	Worker	Scenario 3	2.16E-02	4.95E-05	1.52E-03
6628	636936.2	4167248.9	Worker	Scenario 3	2.43E-02	5.57E-05	1.75E-03
6629	637036.2	4167248.9	Worker	Scenario 3	2.28E-02	5.22E-05	1.62E-03
6630	637136.2	4167248.9	Worker	Scenario 3	2.50E-02	5.74E-05	1.81E-03
6631	637236.2	4167248.9	Worker	Scenario 3	2.62E-02	6.01E-05	1.90E-03
6632	637336.2	4167248.9	Worker	Scenario 3	2.93E-02	6.74E-05	2.21E-03
6633	637436.2	4167248.9	Worker	Scenario 3	3.05E-02	7.02E-05	2.31E-03
6634	637536.2	4167248.9	Worker	Scenario 3	3.08E-02	7.08E-05	2.29E-03
6635	637636.2	4167248.9	Worker	Scenario 3	3.01E-02	6.94E-05	2.22E-03
6636	637736.2	4167248.9	Worker	Scenario 3	3.35E-02	7.71E-05	2.51E-03
6637	637836.2	4167248.9	Worker	Scenario 3	3.97E-02	9.14E-05	3.02E-03
6638	637936.2	4167248.9	Worker	Scenario 3	3.57E-02	8.24E-05	2.66E-03
6639	638036.2	4167248.9	Worker	Scenario 3	3.89E-02	8.99E-05	2.94E-03
6640	638136.2	4167248.9	Worker	Scenario 3	4.60E-02	1.06E-04	3.47E-03
6641	638236.2	4167248.9	Worker	Scenario 3	4.76E-02	1.10E-04	3.61E-03
6642	638336.2	4167248.9	Worker	Scenario 3	5.07E-02	1.17E-04	3.83E-03
6643	638436.2	4167248.9	Worker	Scenario 3	5.17E-02	1.20E-04	3.96E-03
6644	638536.2	4167248.9	Worker	Scenario 3	5.55E-02	1.28E-04	4.23E-03
6645	638636.2	4167248.9	Worker	Scenario 3	5.57E-02	1.29E-04	4.30E-03
6646	638736.2	4167248.9	Worker	Scenario 3	5.89E-02	1.37E-04	4.55E-03
6647	638836.2	4167248.9	Worker	Scenario 3	6.35E-02	1.47E-04	4.92E-03
6648	638936.2	4167248.9	Worker	Scenario 3	6.83E-02	1.59E-04	5.41E-03
6649	639036.2	4167248.9	Worker	Scenario 3	7.31E-02	1.70E-04	5.89E-03
6650	639136.2	4167248.9	Worker	Scenario 3	7.91E-02	1.84E-04	6.45E-03
6651	639236.2	4167248.9	Worker	Scenario 3	8.56E-02	1.99E-04	7.01E-03
6652	639336.2	4167248.9	Worker	Scenario 3	9.33E-02	2.18E-04	7.58E-03
6653	639436.2	4167248.9	Worker	Scenario 3	1.02E-01	2.37E-04	8.11E-03
6654	639536.2	4167248.9	Worker	Scenario 3	1.11E-01	2.60E-04	8.58E-03
6655	639636.2	4167248.9	Worker	Scenario 3	1.21E-01	2.84E-04	9.05E-03
6656	639736.2	4167248.9	Worker	Scenario 3	1.31E-01	3.09E-04	9.54E-03
6657	639836.2	4167248.9	Worker	Scenario 3	1.44E-01	3.40E-04	9.88E-03
6658	639936.2	4167248.9	Worker	Scenario 3	1.59E-01	3.76E-04	1.02E-02

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6659	640036.2	4167248.9	Worker	Scenario 3	1.75E-01	4.17E-04	1.04E-02
6660	640136.2	4167248.9	Worker	Scenario 3	1.93E-01	4.64E-04	1.06E-02
6661	640236.2	4167248.9	Worker	Scenario 3	2.15E-01	5.19E-04	1.09E-02
6662	640336.2	4167248.9	Worker	Scenario 3	2.40E-01	5.87E-04	1.16E-02
6663	640636.2	4167248.9	Worker	Scenario 3	3.49E-01	8.89E-04	1.54E-02
6664	640736.2	4167248.9	Worker	Scenario 3	4.06E-01	1.05E-03	1.76E-02
6665	640836.2	4167248.9	Worker	Scenario 3	4.50E-01	1.20E-03	2.08E-02
6666	640936.2	4167248.9	Worker	Scenario 3	5.25E-01	1.46E-03	2.85E-02
6667	641036.2	4167248.9	Worker	Scenario 3	6.35E-01	1.85E-03	3.70E-02
6668	641136.2	4167248.9	Worker	Scenario 3	8.21E-01	2.54E-03	4.83E-02
6669	645036.2	4167248.9	Worker	Scenario 3	5.95E-01	1.31E-03	1.92E-03
6670	645136.2	4167248.9	Worker	Scenario 3	5.57E-01	1.23E-03	1.85E-03
6671	645336.2	4167248.9	Worker	Scenario 3	4.97E-01	1.10E-03	1.72E-03
6672	645436.2	4167248.9	Worker	Scenario 3	4.72E-01	1.04E-03	1.66E-03
6673	645536.2	4167248.9	Worker	Scenario 3	4.49E-01	9.93E-04	1.61E-03
6674	645636.2	4167248.9	Worker	Scenario 3	4.27E-01	9.46E-04	1.55E-03
6675	645736.2	4167248.9	Worker	Scenario 3	4.08E-01	9.03E-04	1.50E-03
6676	645836.2	4167248.9	Worker	Scenario 3	3.90E-01	8.64E-04	1.45E-03
6677	645936.2	4167248.9	Worker	Scenario 3	3.73E-01	8.28E-04	1.41E-03
6678	646036.2	4167248.9	Worker	Scenario 3	3.58E-01	7.94E-04	1.36E-03
6679	646136.2	4167248.9	Worker	Scenario 3	3.44E-01	7.63E-04	1.32E-03
6680	646336.2	4167248.9	Worker	Scenario 3	3.18E-01	7.07E-04	1.24E-03
6681	646436.2	4167248.9	Worker	Scenario 3	3.06E-01	6.81E-04	1.21E-03
6682	646536.2	4167248.9	Worker	Scenario 3	2.95E-01	6.57E-04	1.17E-03
6683	646636.2	4167248.9	Worker	Scenario 3	2.85E-01	6.34E-04	1.14E-03
6684	646736.2	4167248.9	Worker	Scenario 3	2.75E-01	6.13E-04	1.11E-03
6685	646836.2	4167248.9	Worker	Scenario 3	2.66E-01	5.93E-04	1.08E-03
6686	646936.2	4167248.9	Worker	Scenario 3	2.58E-01	5.74E-04	1.05E-03
6687	647036.2	4167248.9	Worker	Scenario 3	2.50E-01	5.56E-04	1.02E-03
6688	636736.2	4167348.9	Worker	Scenario 3	2.29E-02	5.20E-05	1.60E-03
6689	636836.2	4167348.9	Worker	Scenario 3	2.23E-02	5.07E-05	1.57E-03
6690	636936.2	4167348.9	Worker	Scenario 3	2.57E-02	5.83E-05	1.76E-03
6691	637036.2	4167348.9	Worker	Scenario 3	2.62E-02	5.96E-05	1.80E-03
6692	637136.2	4167348.9	Worker	Scenario 3	2.46E-02	5.59E-05	1.74E-03
6693	637236.2	4167348.9	Worker	Scenario 3	2.52E-02	5.74E-05	1.78E-03
6694	637336.2	4167348.9	Worker	Scenario 3	2.71E-02	6.16E-05	1.91E-03
6695	637436.2	4167348.9	Worker	Scenario 3	3.21E-02	7.30E-05	2.07E-03
6696	637536.2	4167348.9	Worker	Scenario 3	3.31E-02	7.52E-05	2.14E-03
6697	637636.2	4167348.9	Worker	Scenario 3	3.27E-02	7.43E-05	2.20E-03
6698	637736.2	4167348.9	Worker	Scenario 3	3.42E-02	7.78E-05	2.28E-03
6699	637836.2	4167348.9	Worker	Scenario 3	4.15E-02	9.42E-05	2.66E-03
6700	637936.2	4167348.9	Worker	Scenario 3	4.17E-02	9.49E-05	2.67E-03
6701	638036.2	4167348.9	Worker	Scenario 3	4.37E-02	9.94E-05	2.81E-03
6702	638136.2	4167348.9	Worker	Scenario 3	4.66E-02	1.06E-04	3.02E-03
6703	638236.2	4167348.9	Worker	Scenario 3	4.75E-02	1.08E-04	3.08E-03
6704	638336.2	4167348.9	Worker	Scenario 3	5.73E-02	1.30E-04	3.67E-03
6705	638436.2	4167348.9	Worker	Scenario 3	5.91E-02	1.34E-04	3.82E-03
6706	638536.2	4167348.9	Worker	Scenario 3	5.52E-02	1.26E-04	3.62E-03
6707	638636.2	4167348.9	Worker	Scenario 3	5.98E-02	1.36E-04	3.95E-03
6708	638736.2	4167348.9	Worker	Scenario 3	6.32E-02	1.44E-04	4.15E-03
6709	638836.2	4167348.9	Worker	Scenario 3	6.74E-02	1.54E-04	4.43E-03
6710	638936.2	4167348.9	Worker	Scenario 3	7.29E-02	1.66E-04	4.78E-03
6711	639036.2	4167348.9	Worker	Scenario 3	7.77E-02	1.78E-04	5.08E-03
6712	639136.2	4167348.9	Worker	Scenario 3	8.35E-02	1.91E-04	5.45E-03
6713	639236.2	4167348.9	Worker	Scenario 3	9.12E-02	2.09E-04	5.87E-03
6714	639336.2	4167348.9	Worker	Scenario 3	9.96E-02	2.28E-04	6.28E-03
6715	639436.2	4167348.9	Worker	Scenario 3	1.09E-01	2.51E-04	6.67E-03
6716	639536.2	4167348.9	Worker	Scenario 3	1.20E-01	2.76E-04	7.06E-03
6717	639636.2	4167348.9	Worker	Scenario 3	1.32E-01	3.05E-04	7.37E-03
6718	639736.2	4167348.9	Worker	Scenario 3	1.43E-01	3.32E-04	7.83E-03
6719	639836.2	4167348.9	Worker	Scenario 3	1.57E-01	3.66E-04	8.18E-03
6720	639936.2	4167348.9	Worker	Scenario 3	1.74E-01	4.07E-04	8.44E-03
6721	640036.2	4167348.9	Worker	Scenario 3	1.95E-01	4.59E-04	8.42E-03
6722	640136.2	4167348.9	Worker	Scenario 3	2.18E-01	5.17E-04	8.61E-03
6723	640236.2	4167348.9	Worker	Scenario 3	2.44E-01	5.89E-04	8.35E-03
6724	640536.2	4167348.9	Worker	Scenario 3	3.54E-01	8.71E-04	1.23E-02
6725	640636.2	4167348.9	Worker	Scenario 3	4.12E-01	1.02E-03	1.43E-02
6726	640736.2	4167348.9	Worker	Scenario 3	4.53E-01	1.15E-03	1.70E-02
6727	640836.2	4167348.9	Worker	Scenario 3	5.26E-01	1.37E-03	2.08E-02
6728	640936.2	4167348.9	Worker	Scenario 3	6.20E-01	1.68E-03	2.63E-02

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6729	641036.2	4167348.9	Worker	Scenario 3	7.53E-01	2.14E-03	3.47E-02
6730	641136.2	4167348.9	Worker	Scenario 3	9.71E-01	2.97E-03	4.93E-02
6731	644836.2	4167348.9	Worker	Scenario 3	6.84E-01	1.50E-03	2.09E-03
6732	644936.2	4167348.9	Worker	Scenario 3	6.38E-01	1.40E-03	2.00E-03
6733	645036.2	4167348.9	Worker	Scenario 3	5.99E-01	1.32E-03	1.92E-03
6734	645136.2	4167348.9	Worker	Scenario 3	5.63E-01	1.24E-03	1.85E-03
6735	645236.2	4167348.9	Worker	Scenario 3	5.32E-01	1.17E-03	1.78E-03
6736	645336.2	4167348.9	Worker	Scenario 3	5.04E-01	1.11E-03	1.72E-03
6737	645436.2	4167348.9	Worker	Scenario 3	4.78E-01	1.05E-03	1.66E-03
6738	645536.2	4167348.9	Worker	Scenario 3	4.54E-01	1.00E-03	1.60E-03
6739	645636.2	4167348.9	Worker	Scenario 3	4.33E-01	9.57E-04	1.55E-03
6740	645736.2	4167348.9	Worker	Scenario 3	4.13E-01	9.14E-04	1.50E-03
6741	645836.2	4167348.9	Worker	Scenario 3	3.95E-01	8.75E-04	1.45E-03
6742	645936.2	4167348.9	Worker	Scenario 3	3.78E-01	8.38E-04	1.40E-03
6743	646036.2	4167348.9	Worker	Scenario 3	3.62E-01	8.03E-04	1.36E-03
6744	646336.2	4167348.9	Worker	Scenario 3	3.21E-01	7.14E-04	1.24E-03
6745	646436.2	4167348.9	Worker	Scenario 3	3.10E-01	6.88E-04	1.20E-03
6746	646536.2	4167348.9	Worker	Scenario 3	2.99E-01	6.63E-04	1.17E-03
6747	646636.2	4167348.9	Worker	Scenario 3	2.88E-01	6.40E-04	1.13E-03
6748	646736.2	4167348.9	Worker	Scenario 3	2.78E-01	6.19E-04	1.10E-03
6749	646836.2	4167348.9	Worker	Scenario 3	2.69E-01	5.99E-04	1.07E-03
6750	646936.2	4167348.9	Worker	Scenario 3	2.60E-01	5.79E-04	1.04E-03
6751	647036.2	4167348.9	Worker	Scenario 3	2.52E-01	5.61E-04	1.02E-03
6752	636636.2	4167448.9	Worker	Scenario 3	2.20E-02	4.96E-05	1.62E-03
6753	636736.2	4167448.9	Worker	Scenario 3	2.44E-02	5.51E-05	1.75E-03
6754	636836.2	4167448.9	Worker	Scenario 3	2.67E-02	6.02E-05	1.91E-03
6755	636936.2	4167448.9	Worker	Scenario 3	2.72E-02	6.12E-05	1.93E-03
6756	637036.2	4167448.9	Worker	Scenario 3	2.40E-02	5.43E-05	1.75E-03
6757	637136.2	4167448.9	Worker	Scenario 3	2.57E-02	5.79E-05	1.86E-03
6758	637236.2	4167448.9	Worker	Scenario 3	2.69E-02	6.07E-05	1.93E-03
6759	637336.2	4167448.9	Worker	Scenario 3	2.94E-02	6.64E-05	2.06E-03
6760	637436.2	4167448.9	Worker	Scenario 3	3.09E-02	6.98E-05	2.18E-03
6761	637536.2	4167448.9	Worker	Scenario 3	3.56E-02	8.02E-05	2.94E-03
6762	637636.2	4167448.9	Worker	Scenario 3	3.54E-02	7.99E-05	2.81E-03
6763	637736.2	4167448.9	Worker	Scenario 3	3.70E-02	8.34E-05	2.97E-03
6764	637836.2	4167448.9	Worker	Scenario 3	3.71E-02	8.38E-05	2.86E-03
6765	637936.2	4167448.9	Worker	Scenario 3	4.56E-02	1.02E-04	3.93E-03
6766	638036.2	4167448.9	Worker	Scenario 3	4.55E-02	1.03E-04	3.92E-03
6767	638136.2	4167448.9	Worker	Scenario 3	4.71E-02	1.06E-04	4.04E-03
6768	638236.2	4167448.9	Worker	Scenario 3	5.22E-02	1.18E-04	4.47E-03
6769	638336.2	4167448.9	Worker	Scenario 3	5.44E-02	1.23E-04	4.64E-03
6770	638436.2	4167448.9	Worker	Scenario 3	6.29E-02	1.42E-04	4.93E-03
6771	638536.2	4167448.9	Worker	Scenario 3	5.96E-02	1.35E-04	5.00E-03
6772	638636.2	4167448.9	Worker	Scenario 3	6.32E-02	1.43E-04	5.23E-03
6773	638736.2	4167448.9	Worker	Scenario 3	6.80E-02	1.54E-04	5.50E-03
6774	638836.2	4167448.9	Worker	Scenario 3	7.24E-02	1.64E-04	5.74E-03
6775	638936.2	4167448.9	Worker	Scenario 3	7.78E-02	1.76E-04	6.00E-03
6776	639036.2	4167448.9	Worker	Scenario 3	8.33E-02	1.89E-04	6.25E-03
6777	639136.2	4167448.9	Worker	Scenario 3	8.90E-02	2.02E-04	6.51E-03
6778	639236.2	4167448.9	Worker	Scenario 3	9.70E-02	2.20E-04	6.75E-03
6779	639336.2	4167448.9	Worker	Scenario 3	1.06E-01	2.42E-04	6.94E-03
6780	639436.2	4167448.9	Worker	Scenario 3	1.17E-01	2.66E-04	7.10E-03
6781	639536.2	4167448.9	Worker	Scenario 3	1.29E-01	2.95E-04	7.14E-03
6782	639636.2	4167448.9	Worker	Scenario 3	1.46E-01	3.35E-04	6.79E-03
6783	639736.2	4167448.9	Worker	Scenario 3	1.56E-01	3.59E-04	7.26E-03
6784	639836.2	4167448.9	Worker	Scenario 3	1.73E-01	3.98E-04	7.26E-03
6785	639936.2	4167448.9	Worker	Scenario 3	1.93E-01	4.47E-04	7.10E-03
6786	640036.2	4167448.9	Worker	Scenario 3	2.17E-01	5.07E-04	6.70E-03
6787	640136.2	4167448.9	Worker	Scenario 3	2.48E-01	5.85E-04	5.75E-03
6788	640436.2	4167448.9	Worker	Scenario 3	3.58E-01	8.54E-04	9.60E-03
6789	640536.2	4167448.9	Worker	Scenario 3	4.15E-01	9.96E-04	1.15E-02
6790	640636.2	4167448.9	Worker	Scenario 3	4.70E-01	1.14E-03	1.38E-02
6791	640736.2	4167448.9	Worker	Scenario 3	5.40E-01	1.33E-03	1.63E-02
6792	640836.2	4167448.9	Worker	Scenario 3	6.35E-01	1.60E-03	1.87E-02
6793	644836.2	4167448.9	Worker	Scenario 3	6.80E-01	1.49E-03	1.86E-03
6794	644936.2	4167448.9	Worker	Scenario 3	6.36E-01	1.39E-03	1.79E-03
6795	645036.2	4167448.9	Worker	Scenario 3	5.97E-01	1.31E-03	1.73E-03
6796	645136.2	4167448.9	Worker	Scenario 3	5.63E-01	1.24E-03	1.66E-03
6797	645236.2	4167448.9	Worker	Scenario 3	5.32E-01	1.17E-03	1.61E-03
6798	645336.2	4167448.9	Worker	Scenario 3	5.04E-01	1.11E-03	1.55E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6799	645436.2	4167448.9	Worker	Scenario 3	4.79E-01	1.06E-03	1.50E-03
6800	645536.2	4167448.9	Worker	Scenario 3	4.55E-01	1.00E-03	1.45E-03
6801	645636.2	4167448.9	Worker	Scenario 3	4.34E-01	9.58E-04	1.40E-03
6802	645736.2	4167448.9	Worker	Scenario 3	4.14E-01	9.16E-04	1.35E-03
6803	645836.2	4167448.9	Worker	Scenario 3	3.96E-01	8.76E-04	1.31E-03
6804	645936.2	4167448.9	Worker	Scenario 3	3.79E-01	8.40E-04	1.27E-03
6805	646336.2	4167448.9	Worker	Scenario 3	3.23E-01	7.16E-04	1.13E-03
6806	646436.2	4167448.9	Worker	Scenario 3	3.11E-01	6.90E-04	1.09E-03
6807	646536.2	4167448.9	Worker	Scenario 3	3.00E-01	6.65E-04	1.06E-03
6808	646636.2	4167448.9	Worker	Scenario 3	2.89E-01	6.43E-04	1.03E-03
6809	646736.2	4167448.9	Worker	Scenario 3	2.80E-01	6.21E-04	1.01E-03
6810	646836.2	4167448.9	Worker	Scenario 3	2.70E-01	6.01E-04	9.80E-04
6811	646936.2	4167448.9	Worker	Scenario 3	2.62E-01	5.81E-04	9.55E-04
6812	647036.2	4167448.9	Worker	Scenario 3	2.53E-01	5.63E-04	9.30E-04
6813	636536.2	4167548.9	Worker	Scenario 3	2.31E-02	5.19E-05	1.62E-03
6814	636636.2	4167548.9	Worker	Scenario 3	2.50E-02	5.61E-05	1.73E-03
6815	636736.2	4167548.9	Worker	Scenario 3	2.57E-02	5.78E-05	1.77E-03
6816	636836.2	4167548.9	Worker	Scenario 3	2.66E-02	5.98E-05	1.82E-03
6817	636936.2	4167548.9	Worker	Scenario 3	2.50E-02	5.63E-05	1.72E-03
6818	637036.2	4167548.9	Worker	Scenario 3	2.46E-02	5.54E-05	1.67E-03
6819	637136.2	4167548.9	Worker	Scenario 3	2.71E-02	6.09E-05	1.82E-03
6820	637236.2	4167548.9	Worker	Scenario 3	2.91E-02	6.55E-05	1.91E-03
6821	637336.2	4167548.9	Worker	Scenario 3	2.91E-02	6.54E-05	1.91E-03
6822	637436.2	4167548.9	Worker	Scenario 3	3.34E-02	7.50E-05	2.16E-03
6823	637536.2	4167548.9	Worker	Scenario 3	3.34E-02	7.51E-05	2.06E-03
6824	637636.2	4167548.9	Worker	Scenario 3	3.97E-02	8.91E-05	2.72E-03
6825	637736.2	4167548.9	Worker	Scenario 3	3.98E-02	8.95E-05	2.59E-03
6826	637836.2	4167548.9	Worker	Scenario 3	4.09E-02	9.21E-05	2.55E-03
6827	637936.2	4167548.9	Worker	Scenario 3	4.96E-02	1.11E-04	3.16E-03
6828	638036.2	4167548.9	Worker	Scenario 3	5.19E-02	1.17E-04	3.19E-03
6829	638136.2	4167548.9	Worker	Scenario 3	4.83E-02	1.09E-04	2.81E-03
6830	638236.2	4167548.9	Worker	Scenario 3	5.68E-02	1.28E-04	3.24E-03
6831	638336.2	4167548.9	Worker	Scenario 3	5.49E-02	1.24E-04	3.25E-03
6832	638436.2	4167548.9	Worker	Scenario 3	6.50E-02	1.47E-04	3.46E-03
6833	638536.2	4167548.9	Worker	Scenario 3	6.38E-02	1.44E-04	3.72E-03
6834	638636.2	4167548.9	Worker	Scenario 3	6.76E-02	1.53E-04	3.96E-03
6835	638736.2	4167548.9	Worker	Scenario 3	7.39E-02	1.67E-04	4.14E-03
6836	638836.2	4167548.9	Worker	Scenario 3	7.66E-02	1.74E-04	4.43E-03
6837	638936.2	4167548.9	Worker	Scenario 3	8.33E-02	1.89E-04	4.59E-03
6838	639036.2	4167548.9	Worker	Scenario 3	8.87E-02	2.02E-04	4.81E-03
6839	639136.2	4167548.9	Worker	Scenario 3	9.52E-02	2.17E-04	4.99E-03
6840	639236.2	4167548.9	Worker	Scenario 3	1.04E-01	2.37E-04	5.08E-03
6841	639336.2	4167548.9	Worker	Scenario 3	1.14E-01	2.60E-04	5.22E-03
6842	639436.2	4167548.9	Worker	Scenario 3	1.26E-01	2.88E-04	5.24E-03
6843	639536.2	4167548.9	Worker	Scenario 3	1.39E-01	3.18E-04	5.45E-03
6844	639636.2	4167548.9	Worker	Scenario 3	1.55E-01	3.56E-04	5.94E-03
6845	639736.2	4167548.9	Worker	Scenario 3	1.70E-01	3.91E-04	6.56E-03
6846	639836.2	4167548.9	Worker	Scenario 3	1.90E-01	4.37E-04	6.93E-03
6847	639936.2	4167548.9	Worker	Scenario 3	2.15E-01	4.96E-04	6.99E-03
6848	640036.2	4167548.9	Worker	Scenario 3	2.44E-01	5.68E-04	6.44E-03
6849	640236.2	4167548.9	Worker	Scenario 3	3.24E-01	7.52E-04	7.32E-03
6850	640336.2	4167548.9	Worker	Scenario 3	3.76E-01	8.72E-04	8.30E-03
6851	640436.2	4167548.9	Worker	Scenario 3	4.28E-01	9.97E-04	9.36E-03
6852	644536.2	4167548.9	Worker	Scenario 3	8.30E-01	1.80E-03	2.38E-03
6853	644736.2	4167548.9	Worker	Scenario 3	7.15E-01	1.56E-03	2.11E-03
6854	644836.2	4167548.9	Worker	Scenario 3	6.68E-01	1.46E-03	1.99E-03
6855	644936.2	4167548.9	Worker	Scenario 3	6.26E-01	1.37E-03	1.87E-03
6856	645036.2	4167548.9	Worker	Scenario 3	5.89E-01	1.29E-03	1.78E-03
6857	645136.2	4167548.9	Worker	Scenario 3	5.56E-01	1.22E-03	1.70E-03
6858	645236.2	4167548.9	Worker	Scenario 3	5.26E-01	1.16E-03	1.64E-03
6859	645336.2	4167548.9	Worker	Scenario 3	4.99E-01	1.10E-03	1.58E-03
6860	645436.2	4167548.9	Worker	Scenario 3	4.75E-01	1.05E-03	1.52E-03
6861	645536.2	4167548.9	Worker	Scenario 3	4.52E-01	9.96E-04	1.47E-03
6862	645636.2	4167548.9	Worker	Scenario 3	4.31E-01	9.50E-04	1.42E-03
6863	645736.2	4167548.9	Worker	Scenario 3	4.12E-01	9.09E-04	1.37E-03
6864	645836.2	4167548.9	Worker	Scenario 3	3.94E-01	8.70E-04	1.32E-03
6865	645936.2	4167548.9	Worker	Scenario 3	3.77E-01	8.34E-04	1.28E-03
6866	646036.2	4167548.9	Worker	Scenario 3	3.62E-01	8.00E-04	1.24E-03
6867	646236.2	4167548.9	Worker	Scenario 3	3.34E-01	7.40E-04	1.15E-03
6868	646336.2	4167548.9	Worker	Scenario 3	3.22E-01	7.13E-04	1.12E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6869	646436.2	4167548.9	Worker	Scenario 3	3.10E-01	6.87E-04	1.08E-03
6870	646536.2	4167548.9	Worker	Scenario 3	2.99E-01	6.63E-04	1.04E-03
6871	646636.2	4167548.9	Worker	Scenario 3	2.89E-01	6.40E-04	1.01E-03
6872	646736.2	4167548.9	Worker	Scenario 3	2.79E-01	6.19E-04	9.80E-04
6873	646836.2	4167548.9	Worker	Scenario 3	2.70E-01	5.99E-04	9.49E-04
6874	646936.2	4167548.9	Worker	Scenario 3	2.61E-01	5.80E-04	9.20E-04
6875	647036.2	4167548.9	Worker	Scenario 3	2.53E-01	5.62E-04	8.91E-04
6876	636436.2	4167648.9	Worker	Scenario 3	2.35E-02	5.28E-05	1.33E-03
6877	636536.2	4167648.9	Worker	Scenario 3	2.52E-02	5.65E-05	1.37E-03
6878	636636.2	4167648.9	Worker	Scenario 3	2.72E-02	6.12E-05	1.47E-03
6879	636736.2	4167648.9	Worker	Scenario 3	2.68E-02	6.03E-05	1.47E-03
6880	636836.2	4167648.9	Worker	Scenario 3	2.82E-02	6.35E-05	1.63E-03
6881	636936.2	4167648.9	Worker	Scenario 3	2.78E-02	6.27E-05	1.62E-03
6882	637036.2	4167648.9	Worker	Scenario 3	2.70E-02	6.09E-05	1.51E-03
6883	637136.2	4167648.9	Worker	Scenario 3	2.92E-02	6.58E-05	1.79E-03
6884	637236.2	4167648.9	Worker	Scenario 3	2.94E-02	6.63E-05	1.80E-03
6885	637336.2	4167648.9	Worker	Scenario 3	3.20E-02	7.23E-05	2.11E-03
6886	637436.2	4167648.9	Worker	Scenario 3	3.61E-02	8.16E-05	2.47E-03
6887	637536.2	4167648.9	Worker	Scenario 3	3.35E-02	7.59E-05	2.27E-03
6888	637636.2	4167648.9	Worker	Scenario 3	3.95E-02	8.92E-05	2.75E-03
6889	637736.2	4167648.9	Worker	Scenario 3	4.27E-02	9.65E-05	2.93E-03
6890	637836.2	4167648.9	Worker	Scenario 3	4.06E-02	9.23E-05	2.88E-03
6891	637936.2	4167648.9	Worker	Scenario 3	4.74E-02	1.07E-04	3.17E-03
6892	638036.2	4167648.9	Worker	Scenario 3	5.65E-02	1.28E-04	3.09E-03
6893	638136.2	4167648.9	Worker	Scenario 3	5.13E-02	1.17E-04	3.35E-03
6894	638236.2	4167648.9	Worker	Scenario 3	5.54E-02	1.26E-04	3.48E-03
6895	638336.2	4167648.9	Worker	Scenario 3	5.96E-02	1.36E-04	3.64E-03
6896	638436.2	4167648.9	Worker	Scenario 3	6.44E-02	1.47E-04	3.75E-03
6897	638536.2	4167648.9	Worker	Scenario 3	7.18E-02	1.63E-04	3.70E-03
6898	638636.2	4167648.9	Worker	Scenario 3	7.13E-02	1.63E-04	4.07E-03
6899	638736.2	4167648.9	Worker	Scenario 3	7.76E-02	1.77E-04	4.10E-03
6900	638836.2	4167648.9	Worker	Scenario 3	8.19E-02	1.87E-04	4.39E-03
6901	638936.2	4167648.9	Worker	Scenario 3	8.90E-02	2.03E-04	4.70E-03
6902	639036.2	4167648.9	Worker	Scenario 3	9.47E-02	2.16E-04	5.10E-03
6903	639136.2	4167648.9	Worker	Scenario 3	1.02E-01	2.33E-04	5.49E-03
6904	639236.2	4167648.9	Worker	Scenario 3	1.11E-01	2.54E-04	5.79E-03
6905	639336.2	4167648.9	Worker	Scenario 3	1.23E-01	2.81E-04	5.91E-03
6906	639436.2	4167648.9	Worker	Scenario 3	1.39E-01	3.16E-04	5.73E-03
6907	639536.2	4167648.9	Worker	Scenario 3	1.52E-01	3.46E-04	6.00E-03
6908	639636.2	4167648.9	Worker	Scenario 3	1.70E-01	3.88E-04	6.26E-03
6909	639736.2	4167648.9	Worker	Scenario 3	1.92E-01	4.39E-04	6.00E-03
6910	639836.2	4167648.9	Worker	Scenario 3	2.12E-01	4.84E-04	6.60E-03
6911	639936.2	4167648.9	Worker	Scenario 3	2.41E-01	5.55E-04	5.37E-03
6912	640136.2	4167648.9	Worker	Scenario 3	3.24E-01	7.40E-04	5.92E-03
6913	643436.2	4167648.9	Worker	Scenario 3	2.24E+00	4.74E-03	4.47E-03
6914	643536.2	4167648.9	Worker	Scenario 3	2.05E+00	4.34E-03	4.16E-03
6915	643636.2	4167648.9	Worker	Scenario 3	1.82E+00	3.88E-03	3.93E-03
6916	643736.2	4167648.9	Worker	Scenario 3	1.62E+00	3.46E-03	3.71E-03
6917	643836.2	4167648.9	Worker	Scenario 3	1.46E+00	3.11E-03	3.48E-03
6918	643936.2	4167648.9	Worker	Scenario 3	1.31E+00	2.81E-03	3.24E-03
6919	644036.2	4167648.9	Worker	Scenario 3	1.19E+00	2.56E-03	3.01E-03
6920	644136.2	4167648.9	Worker	Scenario 3	1.08E+00	2.33E-03	2.88E-03
6921	644236.2	4167648.9	Worker	Scenario 3	9.94E-01	2.15E-03	2.78E-03
6922	644336.2	4167648.9	Worker	Scenario 3	9.17E-01	1.98E-03	2.67E-03
6923	644436.2	4167648.9	Worker	Scenario 3	8.49E-01	1.84E-03	2.56E-03
6924	644536.2	4167648.9	Worker	Scenario 3	7.89E-01	1.71E-03	2.44E-03
6925	645136.2	4167648.9	Worker	Scenario 3	5.42E-01	1.19E-03	1.99E-03
6926	645336.2	4167648.9	Worker	Scenario 3	4.89E-01	1.07E-03	1.90E-03
6927	645436.2	4167648.9	Worker	Scenario 3	4.65E-01	1.02E-03	1.85E-03
6928	645536.2	4167648.9	Worker	Scenario 3	4.44E-01	9.76E-04	1.80E-03
6929	645636.2	4167648.9	Worker	Scenario 3	4.24E-01	9.33E-04	1.75E-03
6930	645736.2	4167648.9	Worker	Scenario 3	4.06E-01	8.93E-04	1.69E-03
6931	645836.2	4167648.9	Worker	Scenario 3	3.88E-01	8.56E-04	1.64E-03
6932	645936.2	4167648.9	Worker	Scenario 3	3.73E-01	8.22E-04	1.59E-03
6933	646036.2	4167648.9	Worker	Scenario 3	3.58E-01	7.89E-04	1.54E-03
6934	646236.2	4167648.9	Worker	Scenario 3	3.31E-01	7.31E-04	1.44E-03
6935	646336.2	4167648.9	Worker	Scenario 3	3.19E-01	7.04E-04	1.39E-03
6936	646436.2	4167648.9	Worker	Scenario 3	3.07E-01	6.79E-04	1.34E-03
6937	646536.2	4167648.9	Worker	Scenario 3	2.97E-01	6.56E-04	1.29E-03
6938	646636.2	4167648.9	Worker	Scenario 3	2.86E-01	6.34E-04	1.25E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6939	646736.2	4167648.9	Worker	Scenario 3	2.77E-01	6.13E-04	1.21E-03
6940	646836.2	4167648.9	Worker	Scenario 3	2.68E-01	5.94E-04	1.16E-03
6941	646936.2	4167648.9	Worker	Scenario 3	2.60E-01	5.75E-04	1.12E-03
6942	647036.2	4167648.9	Worker	Scenario 3	2.51E-01	5.57E-04	1.08E-03
6943	636336.2	4167748.9	Worker	Scenario 3	2.11E-02	4.76E-05	1.26E-03
6944	636436.2	4167748.9	Worker	Scenario 3	2.36E-02	5.34E-05	1.59E-03
6945	636536.2	4167748.9	Worker	Scenario 3	2.34E-02	5.29E-05	1.53E-03
6946	636636.2	4167748.9	Worker	Scenario 3	2.73E-02	6.17E-05	1.97E-03
6947	636736.2	4167748.9	Worker	Scenario 3	2.96E-02	6.69E-05	2.14E-03
6948	636836.2	4167748.9	Worker	Scenario 3	3.17E-02	7.17E-05	2.25E-03
6949	636936.2	4167748.9	Worker	Scenario 3	3.27E-02	7.40E-05	2.30E-03
6950	637036.2	4167748.9	Worker	Scenario 3	3.18E-02	7.22E-05	2.25E-03
6951	637136.2	4167748.9	Worker	Scenario 3	2.90E-02	6.62E-05	1.95E-03
6952	637236.2	4167748.9	Worker	Scenario 3	3.06E-02	6.99E-05	2.08E-03
6953	637336.2	4167748.9	Worker	Scenario 3	3.18E-02	7.26E-05	2.19E-03
6954	637436.2	4167748.9	Worker	Scenario 3	3.79E-02	8.65E-05	2.66E-03
6955	637536.2	4167748.9	Worker	Scenario 3	3.53E-02	8.08E-05	2.49E-03
6956	637636.2	4167748.9	Worker	Scenario 3	4.16E-02	9.51E-05	2.86E-03
6957	637736.2	4167748.9	Worker	Scenario 3	4.56E-02	1.04E-04	2.95E-03
6958	637836.2	4167748.9	Worker	Scenario 3	4.47E-02	1.02E-04	2.96E-03
6959	637936.2	4167748.9	Worker	Scenario 3	5.33E-02	1.22E-04	3.05E-03
6960	638036.2	4167748.9	Worker	Scenario 3	5.90E-02	1.34E-04	3.05E-03
6961	638136.2	4167748.9	Worker	Scenario 3	5.31E-02	1.22E-04	3.42E-03
6962	638236.2	4167748.9	Worker	Scenario 3	6.29E-02	1.43E-04	3.57E-03
6963	638336.2	4167748.9	Worker	Scenario 3	6.06E-02	1.39E-04	3.94E-03
6964	638436.2	4167748.9	Worker	Scenario 3	7.02E-02	1.60E-04	3.99E-03
6965	638536.2	4167748.9	Worker	Scenario 3	7.69E-02	1.75E-04	4.05E-03
6966	638636.2	4167748.9	Worker	Scenario 3	7.51E-02	1.72E-04	4.43E-03
6967	638736.2	4167748.9	Worker	Scenario 3	8.47E-02	1.93E-04	4.33E-03
6968	638836.2	4167748.9	Worker	Scenario 3	8.79E-02	2.00E-04	4.42E-03
6969	638936.2	4167748.9	Worker	Scenario 3	9.52E-02	2.17E-04	4.66E-03
6970	639036.2	4167748.9	Worker	Scenario 3	1.02E-01	2.32E-04	5.33E-03
6971	639136.2	4167748.9	Worker	Scenario 3	1.10E-01	2.50E-04	5.94E-03
6972	639236.2	4167748.9	Worker	Scenario 3	1.19E-01	2.71E-04	6.45E-03
6973	639336.2	4167748.9	Worker	Scenario 3	1.33E-01	3.02E-04	6.52E-03
6974	639436.2	4167748.9	Worker	Scenario 3	1.49E-01	3.36E-04	6.42E-03
6975	639536.2	4167748.9	Worker	Scenario 3	1.68E-01	3.80E-04	5.87E-03
6976	639636.2	4167748.9	Worker	Scenario 3	1.88E-01	4.26E-04	5.35E-03
6977	639736.2	4167748.9	Worker	Scenario 3	2.20E-01	4.99E-04	3.92E-03
6978	640036.2	4167748.9	Worker	Scenario 3	3.27E-01	7.38E-04	4.88E-03
6979	643336.2	4167748.9	Worker	Scenario 3	1.23E+00	2.70E-03	4.68E-03
6980	643436.2	4167748.9	Worker	Scenario 3	1.29E+00	2.80E-03	4.40E-03
6981	643536.2	4167748.9	Worker	Scenario 3	1.31E+00	2.84E-03	4.11E-03
6982	643636.2	4167748.9	Worker	Scenario 3	1.30E+00	2.80E-03	3.88E-03
6983	643736.2	4167748.9	Worker	Scenario 3	1.24E+00	2.67E-03	3.63E-03
6984	643836.2	4167748.9	Worker	Scenario 3	1.17E+00	2.52E-03	3.46E-03
6985	643936.2	4167748.9	Worker	Scenario 3	1.10E+00	2.37E-03	3.25E-03
6986	644036.2	4167748.9	Worker	Scenario 3	1.03E+00	2.22E-03	3.11E-03
6987	644336.2	4167748.9	Worker	Scenario 3	8.39E-01	1.82E-03	2.69E-03
6988	644436.2	4167748.9	Worker	Scenario 3	7.83E-01	1.70E-03	2.57E-03
6989	644636.2	4167748.9	Worker	Scenario 3	6.91E-01	1.50E-03	2.32E-03
6990	644736.2	4167748.9	Worker	Scenario 3	6.51E-01	1.42E-03	2.19E-03
6991	644836.2	4167748.9	Worker	Scenario 3	6.14E-01	1.34E-03	2.05E-03
6992	644936.2	4167748.9	Worker	Scenario 3	5.80E-01	1.27E-03	1.98E-03
6993	646036.2	4167748.9	Worker	Scenario 3	3.51E-01	7.73E-04	1.67E-03
6994	646236.2	4167748.9	Worker	Scenario 3	3.25E-01	7.17E-04	1.62E-03
6995	646336.2	4167748.9	Worker	Scenario 3	3.14E-01	6.92E-04	1.59E-03
6996	646436.2	4167748.9	Worker	Scenario 3	3.03E-01	6.68E-04	1.55E-03
6997	646536.2	4167748.9	Worker	Scenario 3	2.92E-01	6.45E-04	1.52E-03
6998	646636.2	4167748.9	Worker	Scenario 3	2.83E-01	6.24E-04	1.49E-03
6999	646736.2	4167748.9	Worker	Scenario 3	2.73E-01	6.04E-04	1.46E-03
7000	646836.2	4167748.9	Worker	Scenario 3	2.65E-01	5.85E-04	1.42E-03
7001	646936.2	4167748.9	Worker	Scenario 3	2.56E-01	5.67E-04	1.39E-03
7002	647036.2	4167748.9	Worker	Scenario 3	2.49E-01	5.50E-04	1.35E-03
7003	636236.2	4167848.9	Worker	Scenario 3	2.00E-02	4.56E-05	1.41E-03
7004	636336.2	4167848.9	Worker	Scenario 3	2.16E-02	4.92E-05	1.53E-03
7005	636436.2	4167848.9	Worker	Scenario 3	2.14E-02	4.89E-05	1.53E-03
7006	636536.2	4167848.9	Worker	Scenario 3	2.32E-02	5.31E-05	1.65E-03
7007	636636.2	4167848.9	Worker	Scenario 3	2.30E-02	5.27E-05	1.65E-03
7008	636736.2	4167848.9	Worker	Scenario 3	2.50E-02	5.73E-05	1.75E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7009	636836.2	4167848.9	Worker	Scenario 3	3.10E-02	7.08E-05	2.18E-03
7010	636936.2	4167848.9	Worker	Scenario 3	3.52E-02	8.03E-05	2.29E-03
7011	637036.2	4167848.9	Worker	Scenario 3	3.34E-02	7.65E-05	2.29E-03
7012	637136.2	4167848.9	Worker	Scenario 3	2.93E-02	6.76E-05	1.98E-03
7013	637236.2	4167848.9	Worker	Scenario 3	3.38E-02	7.79E-05	2.39E-03
7014	637336.2	4167848.9	Worker	Scenario 3	3.46E-02	7.98E-05	2.44E-03
7015	637436.2	4167848.9	Worker	Scenario 3	3.77E-02	8.69E-05	2.61E-03
7016	637536.2	4167848.9	Worker	Scenario 3	3.94E-02	9.08E-05	2.78E-03
7017	637636.2	4167848.9	Worker	Scenario 3	4.02E-02	9.29E-05	2.91E-03
7018	637736.2	4167848.9	Worker	Scenario 3	4.80E-02	1.10E-04	3.25E-03
7019	637836.2	4167848.9	Worker	Scenario 3	4.80E-02	1.10E-04	3.36E-03
7020	637936.2	4167848.9	Worker	Scenario 3	5.11E-02	1.17E-04	3.46E-03
7021	638036.2	4167848.9	Worker	Scenario 3	6.26E-02	1.42E-04	3.22E-03
7022	638136.2	4167848.9	Worker	Scenario 3	5.69E-02	1.30E-04	3.51E-03
7023	638236.2	4167848.9	Worker	Scenario 3	6.49E-02	1.48E-04	3.37E-03
7024	638336.2	4167848.9	Worker	Scenario 3	6.68E-02	1.52E-04	3.49E-03
7025	638436.2	4167848.9	Worker	Scenario 3	7.14E-02	1.62E-04	3.99E-03
7026	638536.2	4167848.9	Worker	Scenario 3	8.02E-02	1.82E-04	4.24E-03
7027	638636.2	4167848.9	Worker	Scenario 3	8.07E-02	1.83E-04	4.91E-03
7028	638736.2	4167848.9	Worker	Scenario 3	9.09E-02	2.05E-04	4.95E-03
7029	638836.2	4167848.9	Worker	Scenario 3	9.44E-02	2.13E-04	5.40E-03
7030	638936.2	4167848.9	Worker	Scenario 3	1.03E-01	2.31E-04	5.44E-03
7031	639036.2	4167848.9	Worker	Scenario 3	1.10E-01	2.48E-04	5.47E-03
7032	639136.2	4167848.9	Worker	Scenario 3	1.19E-01	2.67E-04	5.32E-03
7033	639236.2	4167848.9	Worker	Scenario 3	1.31E-01	2.94E-04	4.94E-03
7034	639336.2	4167848.9	Worker	Scenario 3	1.47E-01	3.31E-04	4.41E-03
7035	639436.2	4167848.9	Worker	Scenario 3	1.64E-01	3.69E-04	4.47E-03
7036	639536.2	4167848.9	Worker	Scenario 3	1.87E-01	4.19E-04	4.07E-03
7037	639636.2	4167848.9	Worker	Scenario 3	2.15E-01	4.84E-04	3.05E-03
7038	639836.2	4167848.9	Worker	Scenario 3	2.81E-01	6.30E-04	4.76E-03
7039	643336.2	4167848.9	Worker	Scenario 3	1.02E+00	2.25E-03	4.60E-03
7040	643436.2	4167848.9	Worker	Scenario 3	9.87E-01	2.17E-03	4.31E-03
7041	643536.2	4167848.9	Worker	Scenario 3	9.77E-01	2.14E-03	4.05E-03
7042	643636.2	4167848.9	Worker	Scenario 3	9.77E-01	2.13E-03	3.74E-03
7043	643736.2	4167848.9	Worker	Scenario 3	9.66E-01	2.10E-03	3.51E-03
7044	643836.2	4167848.9	Worker	Scenario 3	9.44E-01	2.05E-03	3.39E-03
7045	643936.2	4167848.9	Worker	Scenario 3	9.12E-01	1.98E-03	3.22E-03
7046	644036.2	4167848.9	Worker	Scenario 3	8.75E-01	1.90E-03	3.05E-03
7047	644136.2	4167848.9	Worker	Scenario 3	8.33E-01	1.81E-03	2.92E-03
7048	644236.2	4167848.9	Worker	Scenario 3	7.92E-01	1.72E-03	2.75E-03
7049	644336.2	4167848.9	Worker	Scenario 3	7.51E-01	1.63E-03	2.66E-03
7050	644436.2	4167848.9	Worker	Scenario 3	7.12E-01	1.55E-03	2.54E-03
7051	644536.2	4167848.9	Worker	Scenario 3	6.75E-01	1.47E-03	2.40E-03
7052	644636.2	4167848.9	Worker	Scenario 3	6.41E-01	1.39E-03	2.32E-03
7053	644736.2	4167848.9	Worker	Scenario 3	6.08E-01	1.32E-03	2.23E-03
7054	644836.2	4167848.9	Worker	Scenario 3	5.77E-01	1.26E-03	2.13E-03
7055	644936.2	4167848.9	Worker	Scenario 3	5.48E-01	1.20E-03	2.04E-03
7056	645036.2	4167848.9	Worker	Scenario 3	5.22E-01	1.14E-03	1.98E-03
7057	645136.2	4167848.9	Worker	Scenario 3	4.98E-01	1.09E-03	1.91E-03
7058	645236.2	4167848.9	Worker	Scenario 3	4.75E-01	1.04E-03	1.83E-03
7059	645336.2	4167848.9	Worker	Scenario 3	4.55E-01	9.94E-04	1.76E-03
7060	645436.2	4167848.9	Worker	Scenario 3	4.36E-01	9.54E-04	1.68E-03
7061	645536.2	4167848.9	Worker	Scenario 3	4.17E-01	9.13E-04	1.60E-03
7062	645636.2	4167848.9	Worker	Scenario 3	4.00E-01	8.76E-04	1.52E-03
7063	645736.2	4167848.9	Worker	Scenario 3	3.84E-01	8.42E-04	1.46E-03
7064	645836.2	4167848.9	Worker	Scenario 3	3.69E-01	8.10E-04	1.44E-03
7065	645936.2	4167848.9	Worker	Scenario 3	3.55E-01	7.80E-04	1.42E-03
7066	646036.2	4167848.9	Worker	Scenario 3	3.42E-01	7.51E-04	1.42E-03
7067	646236.2	4167848.9	Worker	Scenario 3	3.18E-01	6.99E-04	1.45E-03
7068	646336.2	4167848.9	Worker	Scenario 3	3.07E-01	6.75E-04	1.45E-03
7069	646436.2	4167848.9	Worker	Scenario 3	2.96E-01	6.52E-04	1.45E-03
7070	646536.2	4167848.9	Worker	Scenario 3	2.87E-01	6.31E-04	1.45E-03
7071	646636.2	4167848.9	Worker	Scenario 3	2.77E-01	6.11E-04	1.45E-03
7072	646736.2	4167848.9	Worker	Scenario 3	2.68E-01	5.92E-04	1.44E-03
7073	646836.2	4167848.9	Worker	Scenario 3	2.60E-01	5.74E-04	1.43E-03
7074	646936.2	4167848.9	Worker	Scenario 3	2.52E-01	5.57E-04	1.42E-03
7075	636136.2	4167948.9	Worker	Scenario 3	2.13E-02	4.90E-05	1.46E-03
7076	636236.2	4167948.9	Worker	Scenario 3	2.27E-02	5.21E-05	1.51E-03
7077	636336.2	4167948.9	Worker	Scenario 3	2.17E-02	4.99E-05	1.44E-03
7078	636436.2	4167948.9	Worker	Scenario 3	2.28E-02	5.25E-05	1.48E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7079	636536.2	4167948.9	Worker	Scenario 3	2.35E-02	5.42E-05	1.52E-03
7080	636636.2	4167948.9	Worker	Scenario 3	2.53E-02	5.85E-05	1.70E-03
7081	636736.2	4167948.9	Worker	Scenario 3	2.94E-02	6.77E-05	2.05E-03
7082	636836.2	4167948.9	Worker	Scenario 3	3.36E-02	7.73E-05	2.40E-03
7083	636936.2	4167948.9	Worker	Scenario 3	3.51E-02	8.05E-05	2.53E-03
7084	637036.2	4167948.9	Worker	Scenario 3	3.73E-02	8.55E-05	2.64E-03
7085	637136.2	4167948.9	Worker	Scenario 3	3.99E-02	9.12E-05	2.71E-03
7086	637236.2	4167948.9	Worker	Scenario 3	3.54E-02	8.17E-05	2.61E-03
7087	637336.2	4167948.9	Worker	Scenario 3	3.56E-02	8.24E-05	2.55E-03
7088	637436.2	4167948.9	Worker	Scenario 3	4.02E-02	9.26E-05	2.74E-03
7089	637536.2	4167948.9	Worker	Scenario 3	3.89E-02	8.97E-05	2.54E-03
7090	637636.2	4167948.9	Worker	Scenario 3	4.09E-02	9.43E-05	2.59E-03
7091	637736.2	4167948.9	Worker	Scenario 3	5.05E-02	1.15E-04	2.74E-03
7092	637836.2	4167948.9	Worker	Scenario 3	5.15E-02	1.18E-04	3.03E-03
7093	637936.2	4167948.9	Worker	Scenario 3	5.19E-02	1.19E-04	3.36E-03
7094	638036.2	4167948.9	Worker	Scenario 3	6.58E-02	1.48E-04	3.47E-03
7095	638136.2	4167948.9	Worker	Scenario 3	6.25E-02	1.42E-04	4.12E-03
7096	638236.2	4167948.9	Worker	Scenario 3	6.35E-02	1.44E-04	4.44E-03
7097	638336.2	4167948.9	Worker	Scenario 3	7.44E-02	1.68E-04	4.24E-03
7098	638436.2	4167948.9	Worker	Scenario 3	7.49E-02	1.69E-04	4.62E-03
7099	638536.2	4167948.9	Worker	Scenario 3	8.52E-02	1.91E-04	4.20E-03
7100	638636.2	4167948.9	Worker	Scenario 3	8.69E-02	1.95E-04	4.38E-03
7101	638736.2	4167948.9	Worker	Scenario 3	9.67E-02	2.16E-04	3.99E-03
7102	638836.2	4167948.9	Worker	Scenario 3	1.02E-01	2.28E-04	3.80E-03
7103	638936.2	4167948.9	Worker	Scenario 3	1.11E-01	2.49E-04	3.76E-03
7104	639036.2	4167948.9	Worker	Scenario 3	1.19E-01	2.67E-04	4.23E-03
7105	639136.2	4167948.9	Worker	Scenario 3	1.30E-01	2.91E-04	4.46E-03
7106	639236.2	4167948.9	Worker	Scenario 3	1.44E-01	3.22E-04	4.43E-03
7107	639336.2	4167948.9	Worker	Scenario 3	1.63E-01	3.63E-04	3.99E-03
7108	639436.2	4167948.9	Worker	Scenario 3	1.84E-01	4.10E-04	3.77E-03
7109	639536.2	4167948.9	Worker	Scenario 3	2.10E-01	4.71E-04	3.78E-03
7110	639736.2	4167948.9	Worker	Scenario 3	2.85E-01	6.33E-04	4.61E-03
7111	643236.2	4167948.9	Worker	Scenario 3	1.02E+00	2.22E-03	4.82E-03
7112	643336.2	4167948.9	Worker	Scenario 3	9.33E-01	2.04E-03	4.43E-03
7113	643436.2	4167948.9	Worker	Scenario 3	8.77E-01	1.92E-03	4.20E-03
7114	643536.2	4167948.9	Worker	Scenario 3	8.45E-01	1.85E-03	3.93E-03
7115	643636.2	4167948.9	Worker	Scenario 3	8.24E-01	1.80E-03	3.73E-03
7116	643736.2	4167948.9	Worker	Scenario 3	8.08E-01	1.76E-03	3.53E-03
7117	643836.2	4167948.9	Worker	Scenario 3	7.92E-01	1.73E-03	3.31E-03
7118	643936.2	4167948.9	Worker	Scenario 3	7.75E-01	1.69E-03	3.18E-03
7119	644036.2	4167948.9	Worker	Scenario 3	7.54E-01	1.64E-03	2.98E-03
7120	644136.2	4167948.9	Worker	Scenario 3	7.29E-01	1.58E-03	2.76E-03
7121	644236.2	4167948.9	Worker	Scenario 3	7.01E-01	1.52E-03	2.71E-03
7122	644336.2	4167948.9	Worker	Scenario 3	6.73E-01	1.46E-03	2.62E-03
7123	644436.2	4167948.9	Worker	Scenario 3	6.44E-01	1.40E-03	2.49E-03
7124	644536.2	4167948.9	Worker	Scenario 3	6.16E-01	1.34E-03	2.39E-03
7125	644636.2	4167948.9	Worker	Scenario 3	5.89E-01	1.28E-03	2.30E-03
7126	644736.2	4167948.9	Worker	Scenario 3	5.63E-01	1.23E-03	2.19E-03
7127	644836.2	4167948.9	Worker	Scenario 3	5.38E-01	1.17E-03	2.11E-03
7128	644936.2	4167948.9	Worker	Scenario 3	5.14E-01	1.12E-03	2.04E-03
7129	645036.2	4167948.9	Worker	Scenario 3	4.92E-01	1.07E-03	1.95E-03
7130	645136.2	4167948.9	Worker	Scenario 3	4.71E-01	1.03E-03	1.86E-03
7131	645236.2	4167948.9	Worker	Scenario 3	4.52E-01	9.86E-04	1.82E-03
7132	645336.2	4167948.9	Worker	Scenario 3	4.34E-01	9.48E-04	1.76E-03
7133	645436.2	4167948.9	Worker	Scenario 3	4.17E-01	9.11E-04	1.70E-03
7134	645536.2	4167948.9	Worker	Scenario 3	4.00E-01	8.75E-04	1.63E-03
7135	645636.2	4167948.9	Worker	Scenario 3	3.85E-01	8.42E-04	1.58E-03
7136	645736.2	4167948.9	Worker	Scenario 3	3.70E-01	8.11E-04	1.54E-03
7137	645836.2	4167948.9	Worker	Scenario 3	3.57E-01	7.81E-04	1.49E-03
7138	645936.2	4167948.9	Worker	Scenario 3	3.44E-01	7.53E-04	1.45E-03
7139	646036.2	4167948.9	Worker	Scenario 3	3.32E-01	7.27E-04	1.39E-03
7140	646236.2	4167948.9	Worker	Scenario 3	3.09E-01	6.78E-04	1.28E-03
7141	646336.2	4167948.9	Worker	Scenario 3	2.99E-01	6.56E-04	1.23E-03
7142	646436.2	4167948.9	Worker	Scenario 3	2.89E-01	6.35E-04	1.18E-03
7143	646536.2	4167948.9	Worker	Scenario 3	2.80E-01	6.15E-04	1.15E-03
7144	646636.2	4167948.9	Worker	Scenario 3	2.71E-01	5.95E-04	1.16E-03
7145	646736.2	4167948.9	Worker	Scenario 3	2.62E-01	5.77E-04	1.17E-03
7146	646836.2	4167948.9	Worker	Scenario 3	2.55E-01	5.60E-04	1.19E-03
7147	646936.2	4167948.9	Worker	Scenario 3	2.47E-01	5.44E-04	1.21E-03
7148	636036.2	4168048.9	Worker	Scenario 3	2.16E-02	5.00E-05	1.44E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
7149	636136.2	4168048.9	Worker	Scenario 3	2.31E-02	5.33E-05	1.57E-03
7150	636236.2	4168048.9	Worker	Scenario 3	2.47E-02	5.71E-05	1.80E-03
7151	636336.2	4168048.9	Worker	Scenario 3	2.59E-02	5.99E-05	1.93E-03
7152	636436.2	4168048.9	Worker	Scenario 3	2.71E-02	6.26E-05	2.03E-03
7153	636536.2	4168048.9	Worker	Scenario 3	2.87E-02	6.63E-05	2.14E-03
7154	636636.2	4168048.9	Worker	Scenario 3	2.97E-02	6.85E-05	2.17E-03
7155	636736.2	4168048.9	Worker	Scenario 3	3.05E-02	7.02E-05	2.15E-03
7156	636836.2	4168048.9	Worker	Scenario 3	3.07E-02	7.08E-05	2.06E-03
7157	636936.2	4168048.9	Worker	Scenario 3	3.20E-02	7.38E-05	2.09E-03
7158	637036.2	4168048.9	Worker	Scenario 3	3.59E-02	8.23E-05	2.22E-03
7159	637136.2	4168048.9	Worker	Scenario 3	3.96E-02	9.03E-05	2.27E-03
7160	637236.2	4168048.9	Worker	Scenario 3	4.33E-02	9.84E-05	2.45E-03
7161	637336.2	4168048.9	Worker	Scenario 3	3.80E-02	8.72E-05	2.37E-03
7162	637436.2	4168048.9	Worker	Scenario 3	4.48E-02	1.02E-04	3.00E-03
7163	637536.2	4168048.9	Worker	Scenario 3	3.99E-02	9.13E-05	2.85E-03
7164	637636.2	4168048.9	Worker	Scenario 3	4.61E-02	1.05E-04	3.46E-03
7165	637736.2	4168048.9	Worker	Scenario 3	5.27E-02	1.19E-04	3.72E-03
7166	637836.2	4168048.9	Worker	Scenario 3	5.23E-02	1.18E-04	3.86E-03
7167	637936.2	4168048.9	Worker	Scenario 3	5.78E-02	1.30E-04	3.90E-03
7168	638036.2	4168048.9	Worker	Scenario 3	6.83E-02	1.53E-04	3.45E-03
7169	638136.2	4168048.9	Worker	Scenario 3	6.73E-02	1.51E-04	3.68E-03
7170	638236.2	4168048.9	Worker	Scenario 3	6.89E-02	1.54E-04	3.56E-03
7171	638336.2	4168048.9	Worker	Scenario 3	7.70E-02	1.72E-04	3.24E-03
7172	638436.2	4168048.9	Worker	Scenario 3	8.05E-02	1.80E-04	3.02E-03
7173	638536.2	4168048.9	Worker	Scenario 3	9.31E-02	2.08E-04	2.83E-03
7174	638636.2	4168048.9	Worker	Scenario 3	9.30E-02	2.07E-04	3.66E-03
7175	638736.2	4168048.9	Worker	Scenario 3	1.06E-01	2.37E-04	3.30E-03
7176	638836.2	4168048.9	Worker	Scenario 3	1.12E-01	2.49E-04	3.70E-03
7177	638936.2	4168048.9	Worker	Scenario 3	1.21E-01	2.70E-04	3.65E-03
7178	639036.2	4168048.9	Worker	Scenario 3	1.31E-01	2.92E-04	3.82E-03
7179	639136.2	4168048.9	Worker	Scenario 3	1.44E-01	3.20E-04	3.94E-03
7180	639236.2	4168048.9	Worker	Scenario 3	1.61E-01	3.57E-04	4.08E-03
7181	639336.2	4168048.9	Worker	Scenario 3	1.81E-01	4.03E-04	4.32E-03
7182	643136.2	4168048.9	Worker	Scenario 3	1.05E+00	2.28E-03	5.02E-03
7183	643236.2	4168048.9	Worker	Scenario 3	9.48E-01	2.06E-03	4.66E-03
7184	643336.2	4168048.9	Worker	Scenario 3	8.71E-01	1.90E-03	4.38E-03
7185	643436.2	4168048.9	Worker	Scenario 3	8.19E-01	1.79E-03	3.97E-03
7186	643536.2	4168048.9	Worker	Scenario 3	7.78E-01	1.70E-03	3.88E-03
7187	643636.2	4168048.9	Worker	Scenario 3	7.46E-01	1.63E-03	3.60E-03
7188	643736.2	4168048.9	Worker	Scenario 3	7.22E-01	1.57E-03	3.44E-03
7189	643836.2	4168048.9	Worker	Scenario 3	7.00E-01	1.53E-03	3.27E-03
7190	643936.2	4168048.9	Worker	Scenario 3	6.82E-01	1.49E-03	3.12E-03
7191	644036.2	4168048.9	Worker	Scenario 3	6.65E-01	1.45E-03	2.94E-03
7192	644136.2	4168048.9	Worker	Scenario 3	6.47E-01	1.41E-03	2.83E-03
7193	644236.2	4168048.9	Worker	Scenario 3	6.27E-01	1.36E-03	2.68E-03
7194	644336.2	4168048.9	Worker	Scenario 3	6.06E-01	1.32E-03	2.58E-03
7195	644436.2	4168048.9	Worker	Scenario 3	5.84E-01	1.27E-03	2.44E-03
7196	644536.2	4168048.9	Worker	Scenario 3	5.63E-01	1.23E-03	2.27E-03
7197	644636.2	4168048.9	Worker	Scenario 3	5.41E-01	1.18E-03	2.21E-03
7198	644736.2	4168048.9	Worker	Scenario 3	5.21E-01	1.13E-03	2.17E-03
7199	644836.2	4168048.9	Worker	Scenario 3	5.00E-01	1.09E-03	2.09E-03
7200	644936.2	4168048.9	Worker	Scenario 3	4.80E-01	1.05E-03	2.00E-03
7201	645036.2	4168048.9	Worker	Scenario 3	4.62E-01	1.01E-03	1.93E-03
7202	645136.2	4168048.9	Worker	Scenario 3	4.44E-01	9.68E-04	1.87E-03
7203	645236.2	4168048.9	Worker	Scenario 3	4.27E-01	9.33E-04	1.80E-03
7204	645336.2	4168048.9	Worker	Scenario 3	4.12E-01	8.99E-04	1.73E-03
7205	645436.2	4168048.9	Worker	Scenario 3	3.97E-01	8.67E-04	1.69E-03
7206	645536.2	4168048.9	Worker	Scenario 3	3.82E-01	8.35E-04	1.63E-03
7207	645636.2	4168048.9	Worker	Scenario 3	3.68E-01	8.05E-04	1.57E-03
7208	645736.2	4168048.9	Worker	Scenario 3	3.56E-01	7.77E-04	1.51E-03
7209	645836.2	4168048.9	Worker	Scenario 3	3.43E-01	7.50E-04	1.48E-03
7210	645936.2	4168048.9	Worker	Scenario 3	3.31E-01	7.25E-04	1.44E-03
7211	646036.2	4168048.9	Worker	Scenario 3	3.20E-01	7.01E-04	1.39E-03
7212	646236.2	4168048.9	Worker	Scenario 3	2.99E-01	6.55E-04	1.29E-03
7213	646336.2	4168048.9	Worker	Scenario 3	2.90E-01	6.35E-04	1.26E-03
7214	646436.2	4168048.9	Worker	Scenario 3	2.80E-01	6.15E-04	1.24E-03
7215	646536.2	4168048.9	Worker	Scenario 3	2.72E-01	5.96E-04	1.20E-03
7216	646636.2	4168048.9	Worker	Scenario 3	2.64E-01	5.78E-04	1.17E-03
7217	646736.2	4168048.9	Worker	Scenario 3	2.56E-01	5.61E-04	1.13E-03
7218	646836.2	4168048.9	Worker	Scenario 3	2.48E-01	5.45E-04	1.10E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7219	646936.2	4168048.9	Worker	Scenario 3	2.41E-01	5.30E-04	1.06E-03
7220	636036.2	4168148.9	Worker	Scenario 3	2.08E-02	4.80E-05	1.40E-03
7221	636136.2	4168148.9	Worker	Scenario 3	2.10E-02	4.85E-05	1.39E-03
7222	636236.2	4168148.9	Worker	Scenario 3	2.09E-02	4.83E-05	1.35E-03
7223	636336.2	4168148.9	Worker	Scenario 3	2.20E-02	5.08E-05	1.43E-03
7224	636436.2	4168148.9	Worker	Scenario 3	2.41E-02	5.55E-05	1.60E-03
7225	636536.2	4168148.9	Worker	Scenario 3	2.50E-02	5.76E-05	1.70E-03
7226	636636.2	4168148.9	Worker	Scenario 3	2.65E-02	6.11E-05	1.80E-03
7227	636736.2	4168148.9	Worker	Scenario 3	2.74E-02	6.31E-05	1.88E-03
7228	636836.2	4168148.9	Worker	Scenario 3	2.93E-02	6.73E-05	1.96E-03
7229	636936.2	4168148.9	Worker	Scenario 3	3.22E-02	7.36E-05	2.21E-03
7230	637036.2	4168148.9	Worker	Scenario 3	3.46E-02	7.90E-05	2.58E-03
7231	637136.2	4168148.9	Worker	Scenario 3	3.86E-02	8.77E-05	2.98E-03
7232	637236.2	4168148.9	Worker	Scenario 3	4.25E-02	9.61E-05	3.20E-03
7233	637336.2	4168148.9	Worker	Scenario 3	4.62E-02	1.04E-04	3.27E-03
7234	637436.2	4168148.9	Worker	Scenario 3	4.81E-02	1.08E-04	3.31E-03
7235	637536.2	4168148.9	Worker	Scenario 3	4.26E-02	9.63E-05	3.06E-03
7236	637636.2	4168148.9	Worker	Scenario 3	4.63E-02	1.04E-04	3.07E-03
7237	637736.2	4168148.9	Worker	Scenario 3	5.43E-02	1.21E-04	3.05E-03
7238	637836.2	4168148.9	Worker	Scenario 3	5.60E-02	1.25E-04	2.83E-03
7239	637936.2	4168148.9	Worker	Scenario 3	6.30E-02	1.40E-04	2.61E-03
7240	638036.2	4168148.9	Worker	Scenario 3	7.31E-02	1.63E-04	2.25E-03
7241	638136.2	4168148.9	Worker	Scenario 3	6.83E-02	1.52E-04	3.00E-03
7242	638236.2	4168148.9	Worker	Scenario 3	7.31E-02	1.63E-04	3.31E-03
7243	638336.2	4168148.9	Worker	Scenario 3	8.47E-02	1.89E-04	2.93E-03
7244	638436.2	4168148.9	Worker	Scenario 3	8.44E-02	1.88E-04	3.62E-03
7245	638536.2	4168148.9	Worker	Scenario 3	9.95E-02	2.22E-04	2.70E-03
7246	638636.2	4168148.9	Worker	Scenario 3	1.00E-01	2.23E-04	3.35E-03
7247	638736.2	4168148.9	Worker	Scenario 3	1.11E-01	2.47E-04	3.27E-03
7248	638836.2	4168148.9	Worker	Scenario 3	1.24E-01	2.76E-04	2.94E-03
7249	638936.2	4168148.9	Worker	Scenario 3	1.33E-01	2.97E-04	3.45E-03
7250	639036.2	4168148.9	Worker	Scenario 3	1.46E-01	3.24E-04	3.84E-03
7251	639136.2	4168148.9	Worker	Scenario 3	1.61E-01	3.57E-04	4.00E-03
7252	639236.2	4168148.9	Worker	Scenario 3	1.80E-01	4.00E-04	3.79E-03
7253	642936.2	4168148.9	Worker	Scenario 3	1.15E+00	2.47E-03	6.15E-03
7254	643036.2	4168148.9	Worker	Scenario 3	1.06E+00	2.28E-03	6.01E-03
7255	643136.2	4168148.9	Worker	Scenario 3	9.72E-01	2.10E-03	5.20E-03
7256	643236.2	4168148.9	Worker	Scenario 3	8.92E-01	1.93E-03	4.54E-03
7257	643336.2	4168148.9	Worker	Scenario 3	8.23E-01	1.79E-03	4.22E-03
7258	643436.2	4168148.9	Worker	Scenario 3	7.73E-01	1.68E-03	3.97E-03
7259	643536.2	4168148.9	Worker	Scenario 3	7.32E-01	1.59E-03	3.75E-03
7260	643636.2	4168148.9	Worker	Scenario 3	6.97E-01	1.52E-03	3.55E-03
7261	643736.2	4168148.9	Worker	Scenario 3	6.68E-01	1.45E-03	3.31E-03
7262	643836.2	4168148.9	Worker	Scenario 3	6.43E-01	1.40E-03	3.21E-03
7263	643936.2	4168148.9	Worker	Scenario 3	6.21E-01	1.35E-03	3.00E-03
7264	644036.2	4168148.9	Worker	Scenario 3	6.02E-01	1.31E-03	2.87E-03
7265	644136.2	4168148.9	Worker	Scenario 3	5.85E-01	1.27E-03	2.78E-03
7266	644236.2	4168148.9	Worker	Scenario 3	5.68E-01	1.24E-03	2.64E-03
7267	644336.2	4168148.9	Worker	Scenario 3	5.51E-01	1.20E-03	2.54E-03
7268	644436.2	4168148.9	Worker	Scenario 3	5.34E-01	1.16E-03	2.42E-03
7269	644536.2	4168148.9	Worker	Scenario 3	5.17E-01	1.12E-03	2.33E-03
7270	644636.2	4168148.9	Worker	Scenario 3	4.99E-01	1.09E-03	2.22E-03
7271	644736.2	4168148.9	Worker	Scenario 3	4.82E-01	1.05E-03	2.15E-03
7272	644836.2	4168148.9	Worker	Scenario 3	4.65E-01	1.01E-03	2.05E-03
7273	644936.2	4168148.9	Worker	Scenario 3	4.49E-01	9.77E-04	1.92E-03
7274	645036.2	4168148.9	Worker	Scenario 3	4.33E-01	9.43E-04	1.84E-03
7275	645136.2	4168148.9	Worker	Scenario 3	4.18E-01	9.10E-04	1.82E-03
7276	645236.2	4168148.9	Worker	Scenario 3	4.03E-01	8.79E-04	1.78E-03
7277	645336.2	4168148.9	Worker	Scenario 3	3.90E-01	8.51E-04	1.73E-03
7278	645436.2	4168148.9	Worker	Scenario 3	3.77E-01	8.22E-04	1.66E-03
7279	645536.2	4168148.9	Worker	Scenario 3	3.64E-01	7.94E-04	1.61E-03
7280	645636.2	4168148.9	Worker	Scenario 3	3.51E-01	7.68E-04	1.57E-03
7281	645736.2	4168148.9	Worker	Scenario 3	3.40E-01	7.42E-04	1.51E-03
7282	645836.2	4168148.9	Worker	Scenario 3	3.29E-01	7.19E-04	1.45E-03
7283	645936.2	4168148.9	Worker	Scenario 3	3.18E-01	6.95E-04	1.42E-03
7284	646036.2	4168148.9	Worker	Scenario 3	3.08E-01	6.73E-04	1.38E-03
7285	646236.2	4168148.9	Worker	Scenario 3	2.89E-01	6.32E-04	1.29E-03
7286	646336.2	4168148.9	Worker	Scenario 3	2.80E-01	6.13E-04	1.24E-03
7287	646436.2	4168148.9	Worker	Scenario 3	2.71E-01	5.94E-04	1.22E-03
7288	646536.2	4168148.9	Worker	Scenario 3	2.63E-01	5.77E-04	1.19E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7289	646636.2	4168148.9	Worker	Scenario 3	2.56E-01	5.60E-04	1.16E-03
7290	646736.2	4168148.9	Worker	Scenario 3	2.48E-01	5.44E-04	1.13E-03
7291	646836.2	4168148.9	Worker	Scenario 3	2.41E-01	5.29E-04	1.09E-03
7292	635936.2	4168248.9	Worker	Scenario 3	1.96E-02	4.51E-05	1.35E-03
7293	636036.2	4168248.9	Worker	Scenario 3	2.01E-02	4.62E-05	1.41E-03
7294	636136.2	4168248.9	Worker	Scenario 3	1.99E-02	4.58E-05	1.41E-03
7295	636236.2	4168248.9	Worker	Scenario 3	2.09E-02	4.80E-05	1.49E-03
7296	636336.2	4168248.9	Worker	Scenario 3	2.19E-02	5.03E-05	1.57E-03
7297	636436.2	4168248.9	Worker	Scenario 3	2.28E-02	5.23E-05	1.62E-03
7298	636536.2	4168248.9	Worker	Scenario 3	2.42E-02	5.53E-05	1.67E-03
7299	636636.2	4168248.9	Worker	Scenario 3	2.55E-02	5.84E-05	1.71E-03
7300	636736.2	4168248.9	Worker	Scenario 3	2.72E-02	6.20E-05	1.83E-03
7301	636836.2	4168248.9	Worker	Scenario 3	2.90E-02	6.61E-05	2.03E-03
7302	636936.2	4168248.9	Worker	Scenario 3	3.12E-02	7.09E-05	2.25E-03
7303	637036.2	4168248.9	Worker	Scenario 3	3.38E-02	7.65E-05	2.41E-03
7304	637136.2	4168248.9	Worker	Scenario 3	3.78E-02	8.51E-05	2.58E-03
7305	637236.2	4168248.9	Worker	Scenario 3	4.21E-02	9.44E-05	2.60E-03
7306	637336.2	4168248.9	Worker	Scenario 3	4.67E-02	1.04E-04	2.49E-03
7307	637436.2	4168248.9	Worker	Scenario 3	5.08E-02	1.13E-04	2.31E-03
7308	637536.2	4168248.9	Worker	Scenario 3	4.55E-02	1.02E-04	2.24E-03
7309	637636.2	4168248.9	Worker	Scenario 3	4.90E-02	1.09E-04	2.29E-03
7310	637736.2	4168248.9	Worker	Scenario 3	5.55E-02	1.24E-04	2.65E-03
7311	637836.2	4168248.9	Worker	Scenario 3	6.21E-02	1.38E-04	2.81E-03
7312	637936.2	4168248.9	Worker	Scenario 3	6.23E-02	1.39E-04	3.21E-03
7313	638036.2	4168248.9	Worker	Scenario 3	7.30E-02	1.62E-04	2.82E-03
7314	638136.2	4168248.9	Worker	Scenario 3	7.51E-02	1.67E-04	3.08E-03
7315	638236.2	4168248.9	Worker	Scenario 3	7.72E-02	1.72E-04	3.23E-03
7316	638336.2	4168248.9	Worker	Scenario 3	8.83E-02	1.96E-04	2.78E-03
7317	638436.2	4168248.9	Worker	Scenario 3	9.19E-02	2.05E-04	3.19E-03
7318	638536.2	4168248.9	Worker	Scenario 3	1.06E-01	2.35E-04	2.49E-03
7319	638636.2	4168248.9	Worker	Scenario 3	1.10E-01	2.44E-04	3.15E-03
7320	638736.2	4168248.9	Worker	Scenario 3	1.20E-01	2.66E-04	3.42E-03
7321	638836.2	4168248.9	Worker	Scenario 3	1.36E-01	3.01E-04	3.17E-03
7322	638936.2	4168248.9	Worker	Scenario 3	1.48E-01	3.29E-04	3.18E-03
7323	639036.2	4168248.9	Worker	Scenario 3	1.64E-01	3.64E-04	3.21E-03
7324	639136.2	4168248.9	Worker	Scenario 3	1.84E-01	4.07E-04	2.96E-03
7325	642836.2	4168248.9	Worker	Scenario 3	1.14E+00	2.45E-03	6.22E-03
7326	642936.2	4168248.9	Worker	Scenario 3	1.06E+00	2.28E-03	5.83E-03
7327	643036.2	4168248.9	Worker	Scenario 3	9.79E-01	2.10E-03	5.31E-03
7328	643136.2	4168248.9	Worker	Scenario 3	9.09E-01	1.96E-03	5.59E-03
7329	643236.2	4168248.9	Worker	Scenario 3	8.41E-01	1.81E-03	5.40E-03
7330	643336.2	4168248.9	Worker	Scenario 3	7.79E-01	1.69E-03	4.72E-03
7331	643436.2	4168248.9	Worker	Scenario 3	7.30E-01	1.58E-03	3.98E-03
7332	643536.2	4168248.9	Worker	Scenario 3	6.92E-01	1.50E-03	3.68E-03
7333	643636.2	4168248.9	Worker	Scenario 3	6.59E-01	1.43E-03	3.49E-03
7334	643736.2	4168248.9	Worker	Scenario 3	6.29E-01	1.37E-03	3.31E-03
7335	643836.2	4168248.9	Worker	Scenario 3	6.01E-01	1.31E-03	3.14E-03
7336	643936.2	4168248.9	Worker	Scenario 3	5.78E-01	1.26E-03	2.93E-03
7337	644036.2	4168248.9	Worker	Scenario 3	5.58E-01	1.21E-03	2.81E-03
7338	644136.2	4168248.9	Worker	Scenario 3	5.39E-01	1.17E-03	2.73E-03
7339	644236.2	4168248.9	Worker	Scenario 3	5.22E-01	1.13E-03	2.56E-03
7340	644336.2	4168248.9	Worker	Scenario 3	5.06E-01	1.10E-03	2.44E-03
7341	644436.2	4168248.9	Worker	Scenario 3	4.91E-01	1.07E-03	2.39E-03
7342	644536.2	4168248.9	Worker	Scenario 3	4.77E-01	1.04E-03	2.28E-03
7343	644636.2	4168248.9	Worker	Scenario 3	4.63E-01	1.01E-03	2.20E-03
7344	644736.2	4168248.9	Worker	Scenario 3	4.48E-01	9.74E-04	2.11E-03
7345	644836.2	4168248.9	Worker	Scenario 3	4.34E-01	9.43E-04	2.04E-03
7346	644936.2	4168248.9	Worker	Scenario 3	4.20E-01	9.13E-04	1.96E-03
7347	645036.2	4168248.9	Worker	Scenario 3	4.06E-01	8.83E-04	1.88E-03
7348	645136.2	4168248.9	Worker	Scenario 3	3.93E-01	8.56E-04	1.83E-03
7349	645236.2	4168248.9	Worker	Scenario 3	3.81E-01	8.29E-04	1.75E-03
7350	645336.2	4168248.9	Worker	Scenario 3	3.69E-01	8.03E-04	1.66E-03
7351	645436.2	4168248.9	Worker	Scenario 3	3.57E-01	7.78E-04	1.57E-03
7352	645536.2	4168248.9	Worker	Scenario 3	3.46E-01	7.54E-04	1.56E-03
7353	645636.2	4168248.9	Worker	Scenario 3	3.35E-01	7.30E-04	1.54E-03
7354	645736.2	4168248.9	Worker	Scenario 3	3.24E-01	7.08E-04	1.50E-03
7355	645836.2	4168248.9	Worker	Scenario 3	3.14E-01	6.87E-04	1.46E-03
7356	645936.2	4168248.9	Worker	Scenario 3	3.04E-01	6.65E-04	1.40E-03
7357	646036.2	4168248.9	Worker	Scenario 3	2.95E-01	6.45E-04	1.36E-03
7358	646236.2	4168248.9	Worker	Scenario 3	2.78E-01	6.07E-04	1.29E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
7359	646336.2	4168248.9	Worker	Scenario 3	2.70E-01	5.90E-04	1.24E-03
7360	646436.2	4168248.9	Worker	Scenario 3	2.62E-01	5.73E-04	1.21E-03
7361	646536.2	4168248.9	Worker	Scenario 3	2.54E-01	5.57E-04	1.18E-03
7362	646636.2	4168248.9	Worker	Scenario 3	2.47E-01	5.41E-04	1.16E-03
7363	646736.2	4168248.9	Worker	Scenario 3	2.41E-01	5.27E-04	1.12E-03
7364	646836.2	4168248.9	Worker	Scenario 3	2.34E-01	5.13E-04	1.09E-03
7365	635936.2	4168348.9	Worker	Scenario 3	1.93E-02	4.41E-05	1.35E-03
7366	636036.2	4168348.9	Worker	Scenario 3	1.95E-02	4.46E-05	1.33E-03
7367	636136.2	4168348.9	Worker	Scenario 3	2.05E-02	4.68E-05	1.36E-03
7368	636236.2	4168348.9	Worker	Scenario 3	2.16E-02	4.92E-05	1.39E-03
7369	636336.2	4168348.9	Worker	Scenario 3	2.25E-02	5.12E-05	1.40E-03
7370	636436.2	4168348.9	Worker	Scenario 3	2.39E-02	5.42E-05	1.48E-03
7371	636536.2	4168348.9	Worker	Scenario 3	2.50E-02	5.67E-05	1.50E-03
7372	636636.2	4168348.9	Worker	Scenario 3	2.63E-02	5.95E-05	1.58E-03
7373	636736.2	4168348.9	Worker	Scenario 3	2.81E-02	6.34E-05	1.73E-03
7374	636836.2	4168348.9	Worker	Scenario 3	3.01E-02	6.79E-05	1.87E-03
7375	636936.2	4168348.9	Worker	Scenario 3	3.22E-02	7.22E-05	1.97E-03
7376	637036.2	4168348.9	Worker	Scenario 3	3.42E-02	7.67E-05	2.04E-03
7377	637136.2	4168348.9	Worker	Scenario 3	3.69E-02	8.26E-05	2.06E-03
7378	637236.2	4168348.9	Worker	Scenario 3	4.21E-02	9.40E-05	2.02E-03
7379	637336.2	4168348.9	Worker	Scenario 3	4.76E-02	1.06E-04	2.32E-03
7380	637436.2	4168348.9	Worker	Scenario 3	5.27E-02	1.17E-04	2.47E-03
7381	637536.2	4168348.9	Worker	Scenario 3	4.86E-02	1.08E-04	2.89E-03
7382	637636.2	4168348.9	Worker	Scenario 3	5.39E-02	1.20E-04	3.02E-03
7383	637736.2	4168348.9	Worker	Scenario 3	5.58E-02	1.25E-04	3.14E-03
7384	637836.2	4168348.9	Worker	Scenario 3	6.29E-02	1.40E-04	2.96E-03
7385	637936.2	4168348.9	Worker	Scenario 3	6.98E-02	1.55E-04	2.67E-03
7386	638036.2	4168348.9	Worker	Scenario 3	7.34E-02	1.63E-04	2.87E-03
7387	638136.2	4168348.9	Worker	Scenario 3	8.58E-02	1.91E-04	2.09E-03
7388	638236.2	4168348.9	Worker	Scenario 3	8.44E-02	1.88E-04	2.93E-03
7389	638336.2	4168348.9	Worker	Scenario 3	9.43E-02	2.10E-04	2.71E-03
7390	638436.2	4168348.9	Worker	Scenario 3	9.95E-02	2.21E-04	3.12E-03
7391	638536.2	4168348.9	Worker	Scenario 3	1.17E-01	2.60E-04	2.22E-03
7392	638636.2	4168348.9	Worker	Scenario 3	1.20E-01	2.65E-04	3.05E-03
7393	638736.2	4168348.9	Worker	Scenario 3	1.34E-01	2.97E-04	2.80E-03
7394	638836.2	4168348.9	Worker	Scenario 3	1.51E-01	3.34E-04	2.47E-03
7395	638936.2	4168348.9	Worker	Scenario 3	1.67E-01	3.69E-04	2.66E-03
7396	642636.2	4168348.9	Worker	Scenario 3	1.24E+00	2.65E-03	6.52E-03
7397	642736.2	4168348.9	Worker	Scenario 3	1.15E+00	2.45E-03	6.21E-03
7398	642836.2	4168348.9	Worker	Scenario 3	1.06E+00	2.27E-03	5.94E-03
7399	642936.2	4168348.9	Worker	Scenario 3	9.84E-01	2.11E-03	5.53E-03
7400	643036.2	4168348.9	Worker	Scenario 3	9.12E-01	1.96E-03	5.20E-03
7401	643136.2	4168348.9	Worker	Scenario 3	8.49E-01	1.82E-03	4.88E-03
7402	643236.2	4168348.9	Worker	Scenario 3	7.90E-01	1.70E-03	4.83E-03
7403	643336.2	4168348.9	Worker	Scenario 3	7.36E-01	1.59E-03	5.13E-03
7404	643436.2	4168348.9	Worker	Scenario 3	6.90E-01	1.49E-03	4.92E-03
7405	643536.2	4168348.9	Worker	Scenario 3	6.54E-01	1.41E-03	4.33E-03
7406	643636.2	4168348.9	Worker	Scenario 3	6.23E-01	1.35E-03	3.60E-03
7407	643736.2	4168348.9	Worker	Scenario 3	5.94E-01	1.29E-03	3.26E-03
7408	643836.2	4168348.9	Worker	Scenario 3	5.67E-01	1.23E-03	3.06E-03
7409	643936.2	4168348.9	Worker	Scenario 3	5.44E-01	1.18E-03	2.91E-03
7410	644036.2	4168348.9	Worker	Scenario 3	5.23E-01	1.14E-03	2.77E-03
7411	644136.2	4168348.9	Worker	Scenario 3	5.04E-01	1.09E-03	2.67E-03
7412	644236.2	4168348.9	Worker	Scenario 3	4.87E-01	1.06E-03	2.46E-03
7413	644336.2	4168348.9	Worker	Scenario 3	4.70E-01	1.02E-03	2.42E-03
7414	644436.2	4168348.9	Worker	Scenario 3	4.56E-01	9.89E-04	2.35E-03
7415	644536.2	4168348.9	Worker	Scenario 3	4.43E-01	9.60E-04	2.21E-03
7416	644636.2	4168348.9	Worker	Scenario 3	4.30E-01	9.33E-04	2.13E-03
7417	644736.2	4168348.9	Worker	Scenario 3	4.18E-01	9.07E-04	2.08E-03
7418	644836.2	4168348.9	Worker	Scenario 3	4.05E-01	8.80E-04	2.00E-03
7419	644936.2	4168348.9	Worker	Scenario 3	3.93E-01	8.54E-04	1.93E-03
7420	645036.2	4168348.9	Worker	Scenario 3	3.81E-01	8.28E-04	1.87E-03
7421	645136.2	4168348.9	Worker	Scenario 3	3.70E-01	8.04E-04	1.79E-03
7422	645236.2	4168348.9	Worker	Scenario 3	3.59E-01	7.81E-04	1.75E-03
7423	645336.2	4168348.9	Worker	Scenario 3	3.49E-01	7.59E-04	1.68E-03
7424	645436.2	4168348.9	Worker	Scenario 3	3.38E-01	7.36E-04	1.63E-03
7425	645536.2	4168348.9	Worker	Scenario 3	3.28E-01	7.14E-04	1.59E-03
7426	645636.2	4168348.9	Worker	Scenario 3	3.18E-01	6.94E-04	1.53E-03
7427	645736.2	4168348.9	Worker	Scenario 3	3.09E-01	6.74E-04	1.46E-03
7428	645836.2	4168348.9	Worker	Scenario 3	3.00E-01	6.54E-04	1.37E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7429	645936.2	4168348.9	Worker	Scenario 3	2.91E-01	6.35E-04	1.35E-03
7430	646036.2	4168348.9	Worker	Scenario 3	2.83E-01	6.17E-04	1.34E-03
7431	646236.2	4168348.9	Worker	Scenario 3	2.66E-01	5.82E-04	1.28E-03
7432	646336.2	4168348.9	Worker	Scenario 3	2.59E-01	5.66E-04	1.24E-03
7433	646436.2	4168348.9	Worker	Scenario 3	2.52E-01	5.51E-04	1.19E-03
7434	646536.2	4168348.9	Worker	Scenario 3	2.45E-01	5.36E-04	1.17E-03
7435	646636.2	4168348.9	Worker	Scenario 3	2.39E-01	5.22E-04	1.15E-03
7436	646736.2	4168348.9	Worker	Scenario 3	2.32E-01	5.08E-04	1.12E-03
7437	646836.2	4168348.9	Worker	Scenario 3	2.26E-01	4.95E-04	1.08E-03
7438	635836.2	4168448.9	Worker	Scenario 3	1.82E-02	4.15E-05	1.08E-03
7439	635936.2	4168448.9	Worker	Scenario 3	1.90E-02	4.32E-05	1.07E-03
7440	636036.2	4168448.9	Worker	Scenario 3	1.99E-02	4.52E-05	1.11E-03
7441	636136.2	4168448.9	Worker	Scenario 3	2.09E-02	4.74E-05	1.25E-03
7442	636236.2	4168448.9	Worker	Scenario 3	2.22E-02	5.01E-05	1.40E-03
7443	636336.2	4168448.9	Worker	Scenario 3	2.46E-02	5.54E-05	1.58E-03
7444	636436.2	4168448.9	Worker	Scenario 3	2.42E-02	5.45E-05	1.62E-03
7445	636536.2	4168448.9	Worker	Scenario 3	2.56E-02	5.76E-05	1.73E-03
7446	636636.2	4168448.9	Worker	Scenario 3	2.75E-02	6.18E-05	1.82E-03
7447	636736.2	4168448.9	Worker	Scenario 3	2.89E-02	6.47E-05	1.87E-03
7448	636836.2	4168448.9	Worker	Scenario 3	3.08E-02	6.90E-05	1.89E-03
7449	636936.2	4168448.9	Worker	Scenario 3	3.29E-02	7.36E-05	1.88E-03
7450	637036.2	4168448.9	Worker	Scenario 3	3.65E-02	8.15E-05	2.20E-03
7451	637136.2	4168448.9	Worker	Scenario 3	3.80E-02	8.51E-05	2.45E-03
7452	637236.2	4168448.9	Worker	Scenario 3	4.17E-02	9.33E-05	2.70E-03
7453	637336.2	4168448.9	Worker	Scenario 3	4.85E-02	1.08E-04	2.73E-03
7454	637436.2	4168448.9	Worker	Scenario 3	5.36E-02	1.19E-04	2.60E-03
7455	637536.2	4168448.9	Worker	Scenario 3	5.06E-02	1.13E-04	2.74E-03
7456	637636.2	4168448.9	Worker	Scenario 3	5.64E-02	1.26E-04	2.72E-03
7457	637736.2	4168448.9	Worker	Scenario 3	5.99E-02	1.34E-04	2.92E-03
7458	637836.2	4168448.9	Worker	Scenario 3	6.46E-02	1.44E-04	2.97E-03
7459	637936.2	4168448.9	Worker	Scenario 3	7.23E-02	1.61E-04	2.73E-03
7460	638036.2	4168448.9	Worker	Scenario 3	7.76E-02	1.73E-04	2.77E-03
7461	638136.2	4168448.9	Worker	Scenario 3	8.85E-02	1.97E-04	2.50E-03
7462	638236.2	4168448.9	Worker	Scenario 3	9.18E-02	2.04E-04	2.86E-03
7463	638336.2	4168448.9	Worker	Scenario 3	1.01E-01	2.24E-04	2.67E-03
7464	638436.2	4168448.9	Worker	Scenario 3	1.10E-01	2.44E-04	2.53E-03
7465	638536.2	4168448.9	Worker	Scenario 3	1.26E-01	2.80E-04	2.12E-03
7466	638636.2	4168448.9	Worker	Scenario 3	1.34E-01	2.96E-04	2.58E-03
7467	638736.2	4168448.9	Worker	Scenario 3	1.52E-01	3.36E-04	2.38E-03
7468	638836.2	4168448.9	Worker	Scenario 3	1.70E-01	3.74E-04	2.41E-03
7469	642536.2	4168448.9	Worker	Scenario 3	1.24E+00	2.65E-03	6.74E-03
7470	642636.2	4168448.9	Worker	Scenario 3	1.14E+00	2.43E-03	6.45E-03
7471	642736.2	4168448.9	Worker	Scenario 3	1.05E+00	2.25E-03	5.86E-03
7472	642836.2	4168448.9	Worker	Scenario 3	9.78E-01	2.09E-03	5.46E-03
7473	642936.2	4168448.9	Worker	Scenario 3	9.11E-01	1.95E-03	5.29E-03
7474	643036.2	4168448.9	Worker	Scenario 3	8.47E-01	1.81E-03	4.99E-03
7475	643136.2	4168448.9	Worker	Scenario 3	7.92E-01	1.70E-03	4.69E-03
7476	643236.2	4168448.9	Worker	Scenario 3	7.40E-01	1.59E-03	4.44E-03
7477	643336.2	4168448.9	Worker	Scenario 3	6.92E-01	1.49E-03	4.24E-03
7478	643436.2	4168448.9	Worker	Scenario 3	6.50E-01	1.40E-03	4.56E-03
7479	643536.2	4168448.9	Worker	Scenario 3	6.16E-01	1.33E-03	4.74E-03
7480	643636.2	4168448.9	Worker	Scenario 3	5.87E-01	1.27E-03	4.52E-03
7481	643736.2	4168448.9	Worker	Scenario 3	5.61E-01	1.21E-03	4.00E-03
7482	643836.2	4168448.9	Worker	Scenario 3	5.35E-01	1.16E-03	3.32E-03
7483	643936.2	4168448.9	Worker	Scenario 3	5.13E-01	1.11E-03	2.92E-03
7484	644036.2	4168448.9	Worker	Scenario 3	4.93E-01	1.07E-03	2.71E-03
7485	644136.2	4168448.9	Worker	Scenario 3	4.75E-01	1.03E-03	2.60E-03
7486	644236.2	4168448.9	Worker	Scenario 3	4.58E-01	9.92E-04	2.50E-03
7487	644336.2	4168448.9	Worker	Scenario 3	4.41E-01	9.56E-04	2.39E-03
7488	644436.2	4168448.9	Worker	Scenario 3	4.26E-01	9.24E-04	2.28E-03
7489	644536.2	4168448.9	Worker	Scenario 3	4.13E-01	8.96E-04	2.11E-03
7490	644636.2	4168448.9	Worker	Scenario 3	4.02E-01	8.71E-04	2.12E-03
7491	644736.2	4168448.9	Worker	Scenario 3	3.90E-01	8.47E-04	2.05E-03
7492	644836.2	4168448.9	Worker	Scenario 3	3.79E-01	8.22E-04	1.94E-03
7493	644936.2	4168448.9	Worker	Scenario 3	3.68E-01	7.99E-04	1.87E-03
7494	645036.2	4168448.9	Worker	Scenario 3	3.58E-01	7.77E-04	1.83E-03
7495	645136.2	4168448.9	Worker	Scenario 3	3.48E-01	7.57E-04	1.78E-03
7496	645236.2	4168448.9	Worker	Scenario 3	3.39E-01	7.36E-04	1.70E-03
7497	645336.2	4168448.9	Worker	Scenario 3	3.30E-01	7.16E-04	1.67E-03
7498	645436.2	4168448.9	Worker	Scenario 3	3.20E-01	6.96E-04	1.61E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7499	645536.2	4168448.9	Worker	Scenario 3	3.11E-01	6.77E-04	1.56E-03
7500	645636.2	4168448.9	Worker	Scenario 3	3.03E-01	6.59E-04	1.52E-03
7501	645736.2	4168448.9	Worker	Scenario 3	2.94E-01	6.40E-04	1.46E-03
7502	645836.2	4168448.9	Worker	Scenario 3	2.86E-01	6.23E-04	1.42E-03
7503	645936.2	4168448.9	Worker	Scenario 3	2.78E-01	6.05E-04	1.39E-03
7504	646036.2	4168448.9	Worker	Scenario 3	2.70E-01	5.89E-04	1.34E-03
7505	646236.2	4168448.9	Worker	Scenario 3	2.55E-01	5.57E-04	1.21E-03
7506	646336.2	4168448.9	Worker	Scenario 3	2.48E-01	5.43E-04	1.17E-03
7507	646436.2	4168448.9	Worker	Scenario 3	2.42E-01	5.29E-04	1.17E-03
7508	646536.2	4168448.9	Worker	Scenario 3	2.36E-01	5.15E-04	1.16E-03
7509	646636.2	4168448.9	Worker	Scenario 3	2.30E-01	5.02E-04	1.14E-03
7510	646736.2	4168448.9	Worker	Scenario 3	2.24E-01	4.90E-04	1.11E-03
7511	635836.2	4168548.9	Worker	Scenario 3	1.85E-02	4.18E-05	1.18E-03
7512	635936.2	4168548.9	Worker	Scenario 3	1.97E-02	4.44E-05	1.32E-03
7513	636036.2	4168548.9	Worker	Scenario 3	2.11E-02	4.74E-05	1.45E-03
7514	636136.2	4168548.9	Worker	Scenario 3	2.14E-02	4.81E-05	1.49E-03
7515	636236.2	4168548.9	Worker	Scenario 3	2.25E-02	5.05E-05	1.56E-03
7516	636336.2	4168548.9	Worker	Scenario 3	2.47E-02	5.53E-05	1.64E-03
7517	636436.2	4168548.9	Worker	Scenario 3	2.68E-02	6.00E-05	1.69E-03
7518	636536.2	4168548.9	Worker	Scenario 3	2.71E-02	6.06E-05	1.65E-03
7519	636636.2	4168548.9	Worker	Scenario 3	2.91E-02	6.51E-05	1.66E-03
7520	636736.2	4168548.9	Worker	Scenario 3	3.10E-02	6.94E-05	2.00E-03
7521	636836.2	4168548.9	Worker	Scenario 3	3.33E-02	7.45E-05	2.24E-03
7522	636936.2	4168548.9	Worker	Scenario 3	3.51E-02	7.87E-05	2.39E-03
7523	637036.2	4168548.9	Worker	Scenario 3	3.74E-02	8.41E-05	2.47E-03
7524	637136.2	4168548.9	Worker	Scenario 3	4.16E-02	9.34E-05	2.49E-03
7525	637236.2	4168548.9	Worker	Scenario 3	4.41E-02	9.91E-05	2.39E-03
7526	637336.2	4168548.9	Worker	Scenario 3	4.93E-02	1.11E-04	2.55E-03
7527	637436.2	4168548.9	Worker	Scenario 3	5.55E-02	1.24E-04	2.51E-03
7528	637536.2	4168548.9	Worker	Scenario 3	5.60E-02	1.25E-04	2.72E-03
7529	637636.2	4168548.9	Worker	Scenario 3	5.70E-02	1.28E-04	2.88E-03
7530	637736.2	4168548.9	Worker	Scenario 3	6.47E-02	1.45E-04	2.76E-03
7531	637836.2	4168548.9	Worker	Scenario 3	6.98E-02	1.56E-04	2.74E-03
7532	637936.2	4168548.9	Worker	Scenario 3	7.55E-02	1.68E-04	2.83E-03
7533	638036.2	4168548.9	Worker	Scenario 3	8.24E-02	1.83E-04	2.72E-03
7534	638136.2	4168548.9	Worker	Scenario 3	8.89E-02	1.97E-04	2.56E-03
7535	638236.2	4168548.9	Worker	Scenario 3	1.07E-01	2.37E-04	1.84E-03
7536	638336.2	4168548.9	Worker	Scenario 3	1.12E-01	2.49E-04	1.93E-03
7537	638436.2	4168548.9	Worker	Scenario 3	1.23E-01	2.72E-04	2.06E-03
7538	638536.2	4168548.9	Worker	Scenario 3	1.38E-01	3.03E-04	2.13E-03
7539	638636.2	4168548.9	Worker	Scenario 3	1.57E-01	3.44E-04	2.11E-03
7540	638736.2	4168548.9	Worker	Scenario 3	1.76E-01	3.84E-04	2.09E-03
7541	642336.2	4168548.9	Worker	Scenario 3	1.34E+00	2.86E-03	7.01E-03
7542	642436.2	4168548.9	Worker	Scenario 3	1.22E+00	2.60E-03	6.88E-03
7543	642536.2	4168548.9	Worker	Scenario 3	1.11E+00	2.37E-03	6.15E-03
7544	642636.2	4168548.9	Worker	Scenario 3	1.03E+00	2.19E-03	5.92E-03
7545	642736.2	4168548.9	Worker	Scenario 3	9.56E-01	2.05E-03	5.68E-03
7546	642836.2	4168548.9	Worker	Scenario 3	8.92E-01	1.91E-03	5.30E-03
7547	642936.2	4168548.9	Worker	Scenario 3	8.35E-01	1.79E-03	5.01E-03
7548	643036.2	4168548.9	Worker	Scenario 3	7.80E-01	1.67E-03	4.74E-03
7549	643136.2	4168548.9	Worker	Scenario 3	7.32E-01	1.57E-03	4.55E-03
7550	643236.2	4168548.9	Worker	Scenario 3	6.88E-01	1.48E-03	4.23E-03
7551	643336.2	4168548.9	Worker	Scenario 3	6.47E-01	1.39E-03	4.06E-03
7552	643436.2	4168548.9	Worker	Scenario 3	6.09E-01	1.31E-03	3.84E-03
7553	643536.2	4168548.9	Worker	Scenario 3	5.76E-01	1.24E-03	3.85E-03
7554	643636.2	4168548.9	Worker	Scenario 3	5.50E-01	1.19E-03	4.29E-03
7555	643736.2	4168548.9	Worker	Scenario 3	5.27E-01	1.14E-03	4.39E-03
7556	643836.2	4168548.9	Worker	Scenario 3	5.05E-01	1.09E-03	4.17E-03
7557	643936.2	4168548.9	Worker	Scenario 3	4.84E-01	1.05E-03	3.71E-03
7558	644036.2	4168548.9	Worker	Scenario 3	4.65E-01	1.01E-03	3.12E-03
7559	644136.2	4168548.9	Worker	Scenario 3	4.47E-01	9.68E-04	2.64E-03
7560	644236.2	4168548.9	Worker	Scenario 3	4.31E-01	9.34E-04	2.46E-03
7561	644336.2	4168548.9	Worker	Scenario 3	4.16E-01	9.01E-04	2.35E-03
7562	644436.2	4168548.9	Worker	Scenario 3	4.01E-01	8.70E-04	2.25E-03
7563	644536.2	4168548.9	Worker	Scenario 3	3.89E-01	8.42E-04	2.15E-03
7564	644636.2	4168548.9	Worker	Scenario 3	3.77E-01	8.17E-04	2.10E-03
7565	644736.2	4168548.9	Worker	Scenario 3	3.66E-01	7.93E-04	1.98E-03
7566	645436.2	4168548.9	Worker	Scenario 3	3.03E-01	6.59E-04	1.60E-03
7567	645536.2	4168548.9	Worker	Scenario 3	2.95E-01	6.42E-04	1.54E-03
7568	645636.2	4168548.9	Worker	Scenario 3	2.87E-01	6.25E-04	1.50E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7569	645736.2	4168548.9	Worker	Scenario 3	2.80E-01	6.08E-04	1.46E-03
7570	645836.2	4168548.9	Worker	Scenario 3	2.72E-01	5.92E-04	1.40E-03
7571	645936.2	4168548.9	Worker	Scenario 3	2.65E-01	5.77E-04	1.37E-03
7572	646036.2	4168548.9	Worker	Scenario 3	2.58E-01	5.62E-04	1.33E-03
7573	646236.2	4168548.9	Worker	Scenario 3	2.44E-01	5.33E-04	1.25E-03
7574	646336.2	4168548.9	Worker	Scenario 3	2.38E-01	5.19E-04	1.23E-03
7575	646436.2	4168548.9	Worker	Scenario 3	2.32E-01	5.07E-04	1.19E-03
7576	646536.2	4168548.9	Worker	Scenario 3	2.26E-01	4.94E-04	1.14E-03
7577	646636.2	4168548.9	Worker	Scenario 3	2.21E-01	4.82E-04	1.08E-03
7578	635736.2	4168648.9	Worker	Scenario 3	1.78E-02	3.99E-05	1.21E-03
7579	635836.2	4168648.9	Worker	Scenario 3	1.88E-02	4.21E-05	1.29E-03
7580	635936.2	4168648.9	Worker	Scenario 3	1.97E-02	4.41E-05	1.34E-03
7581	636036.2	4168648.9	Worker	Scenario 3	2.09E-02	4.68E-05	1.39E-03
7582	636136.2	4168648.9	Worker	Scenario 3	2.43E-02	5.44E-05	1.49E-03
7583	636236.2	4168648.9	Worker	Scenario 3	2.39E-02	5.35E-05	1.42E-03
7584	636336.2	4168648.9	Worker	Scenario 3	2.54E-02	5.70E-05	1.50E-03
7585	636436.2	4168648.9	Worker	Scenario 3	2.74E-02	6.15E-05	1.80E-03
7586	636536.2	4168648.9	Worker	Scenario 3	2.87E-02	6.44E-05	1.94E-03
7587	636636.2	4168648.9	Worker	Scenario 3	2.98E-02	6.70E-05	2.01E-03
7588	636736.2	4168648.9	Worker	Scenario 3	3.17E-02	7.14E-05	2.12E-03
7589	636836.2	4168648.9	Worker	Scenario 3	3.46E-02	7.81E-05	2.24E-03
7590	636936.2	4168648.9	Worker	Scenario 3	3.78E-02	8.52E-05	2.27E-03
7591	637036.2	4168648.9	Worker	Scenario 3	4.14E-02	9.33E-05	2.44E-03
7592	637136.2	4168648.9	Worker	Scenario 3	4.24E-02	9.56E-05	2.59E-03
7593	637236.2	4168648.9	Worker	Scenario 3	4.58E-02	1.03E-04	2.64E-03
7594	637336.2	4168648.9	Worker	Scenario 3	5.24E-02	1.18E-04	2.52E-03
7595	637436.2	4168648.9	Worker	Scenario 3	5.86E-02	1.31E-04	2.35E-03
7596	637536.2	4168648.9	Worker	Scenario 3	6.16E-02	1.38E-04	2.42E-03
7597	637636.2	4168648.9	Worker	Scenario 3	6.05E-02	1.36E-04	2.80E-03
7598	637736.2	4168648.9	Worker	Scenario 3	6.55E-02	1.47E-04	2.78E-03
7599	637836.2	4168648.9	Worker	Scenario 3	7.35E-02	1.64E-04	2.50E-03
7600	637936.2	4168648.9	Worker	Scenario 3	7.98E-02	1.77E-04	2.51E-03
7601	638036.2	4168648.9	Worker	Scenario 3	8.83E-02	1.96E-04	2.47E-03
7602	638136.2	4168648.9	Worker	Scenario 3	9.52E-02	2.11E-04	2.57E-03
7603	638236.2	4168648.9	Worker	Scenario 3	1.09E-01	2.43E-04	1.88E-03
7604	638336.2	4168648.9	Worker	Scenario 3	1.24E-01	2.73E-04	1.90E-03
7605	638436.2	4168648.9	Worker	Scenario 3	1.46E-01	3.20E-04	1.86E-03
7606	638536.2	4168648.9	Worker	Scenario 3	1.54E-01	3.37E-04	1.86E-03
7607	642136.2	4168648.9	Worker	Scenario 3	1.37E+00	2.90E-03	7.15E-03
7608	642236.2	4168648.9	Worker	Scenario 3	1.25E+00	2.65E-03	6.84E-03
7609	642336.2	4168648.9	Worker	Scenario 3	1.14E+00	2.43E-03	6.39E-03
7610	642436.2	4168648.9	Worker	Scenario 3	1.05E+00	2.25E-03	6.16E-03
7611	642536.2	4168648.9	Worker	Scenario 3	9.79E-01	2.10E-03	6.07E-03
7612	642636.2	4168648.9	Worker	Scenario 3	9.15E-01	1.96E-03	5.55E-03
7613	642736.2	4168648.9	Worker	Scenario 3	8.59E-01	1.84E-03	5.31E-03
7614	642836.2	4168648.9	Worker	Scenario 3	8.07E-01	1.73E-03	5.08E-03
7615	642936.2	4168648.9	Worker	Scenario 3	7.59E-01	1.63E-03	4.81E-03
7616	643036.2	4168648.9	Worker	Scenario 3	7.15E-01	1.54E-03	4.55E-03
7617	643136.2	4168648.9	Worker	Scenario 3	6.74E-01	1.45E-03	4.31E-03
7618	643236.2	4168648.9	Worker	Scenario 3	6.37E-01	1.37E-03	4.10E-03
7619	643336.2	4168648.9	Worker	Scenario 3	6.01E-01	1.29E-03	3.91E-03
7620	643436.2	4168648.9	Worker	Scenario 3	5.68E-01	1.22E-03	3.72E-03
7621	643536.2	4168648.9	Worker	Scenario 3	5.39E-01	1.16E-03	3.52E-03
7622	643636.2	4168648.9	Worker	Scenario 3	5.15E-01	1.11E-03	3.43E-03
7623	643736.2	4168648.9	Worker	Scenario 3	4.95E-01	1.07E-03	3.72E-03
7624	643836.2	4168648.9	Worker	Scenario 3	4.75E-01	1.02E-03	4.05E-03
7625	643936.2	4168648.9	Worker	Scenario 3	4.56E-01	9.85E-04	4.09E-03
7626	644036.2	4168648.9	Worker	Scenario 3	4.38E-01	9.47E-04	3.87E-03
7627	644136.2	4168648.9	Worker	Scenario 3	4.22E-01	9.12E-04	3.46E-03
7628	644236.2	4168648.9	Worker	Scenario 3	4.06E-01	8.80E-04	2.94E-03
7629	644336.2	4168648.9	Worker	Scenario 3	3.92E-01	8.50E-04	2.46E-03
7630	644436.2	4168648.9	Worker	Scenario 3	3.79E-01	8.22E-04	2.27E-03
7631	644536.2	4168648.9	Worker	Scenario 3	3.67E-01	7.95E-04	2.13E-03
7632	644636.2	4168648.9	Worker	Scenario 3	3.55E-01	7.70E-04	2.03E-03
7633	644736.2	4168648.9	Worker	Scenario 3	3.45E-01	7.47E-04	1.98E-03
7634	644836.2	4168648.9	Worker	Scenario 3	3.35E-01	7.26E-04	1.90E-03
7635	644936.2	4168648.9	Worker	Scenario 3	3.26E-01	7.06E-04	1.84E-03
7636	645036.2	4168648.9	Worker	Scenario 3	3.17E-01	6.88E-04	1.73E-03
7637	645136.2	4168648.9	Worker	Scenario 3	3.09E-01	6.70E-04	1.68E-03
7638	645236.2	4168648.9	Worker	Scenario 3	3.02E-01	6.54E-04	1.67E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7639	645336.2	4168648.9	Worker	Scenario 3	2.94E-01	6.38E-04	1.62E-03
7640	645436.2	4168648.9	Worker	Scenario 3	2.87E-01	6.22E-04	1.54E-03
7641	645536.2	4168648.9	Worker	Scenario 3	2.80E-01	6.07E-04	1.50E-03
7642	645636.2	4168648.9	Worker	Scenario 3	2.73E-01	5.92E-04	1.49E-03
7643	645736.2	4168648.9	Worker	Scenario 3	2.66E-01	5.78E-04	1.49E-03
7644	645836.2	4168648.9	Worker	Scenario 3	2.59E-01	5.63E-04	1.46E-03
7645	645936.2	4168648.9	Worker	Scenario 3	2.53E-01	5.49E-04	1.40E-03
7646	646036.2	4168648.9	Worker	Scenario 3	2.46E-01	5.35E-04	1.33E-03
7647	646236.2	4168648.9	Worker	Scenario 3	2.34E-01	5.09E-04	1.23E-03
7648	646336.2	4168648.9	Worker	Scenario 3	2.28E-01	4.97E-04	1.21E-03
7649	646436.2	4168648.9	Worker	Scenario 3	2.23E-01	4.85E-04	1.18E-03
7650	646536.2	4168648.9	Worker	Scenario 3	2.17E-01	4.74E-04	1.13E-03
7651	635736.2	4168748.9	Worker	Scenario 3	1.82E-02	4.07E-05	1.14E-03
7652	635836.2	4168748.9	Worker	Scenario 3	1.91E-02	4.28E-05	1.14E-03
7653	635936.2	4168748.9	Worker	Scenario 3	2.03E-02	4.56E-05	1.15E-03
7654	636036.2	4168748.9	Worker	Scenario 3	2.17E-02	4.87E-05	1.23E-03
7655	636136.2	4168748.9	Worker	Scenario 3	2.30E-02	5.17E-05	1.42E-03
7656	636236.2	4168748.9	Worker	Scenario 3	2.46E-02	5.55E-05	1.63E-03
7657	636336.2	4168748.9	Worker	Scenario 3	2.65E-02	5.98E-05	1.82E-03
7658	636436.2	4168748.9	Worker	Scenario 3	2.93E-02	6.61E-05	2.00E-03
7659	636536.2	4168748.9	Worker	Scenario 3	3.38E-02	7.62E-05	2.03E-03
7660	636636.2	4168748.9	Worker	Scenario 3	3.24E-02	7.33E-05	2.11E-03
7661	636736.2	4168748.9	Worker	Scenario 3	3.33E-02	7.55E-05	2.16E-03
7662	636836.2	4168748.9	Worker	Scenario 3	3.48E-02	7.90E-05	2.28E-03
7663	636936.2	4168748.9	Worker	Scenario 3	3.76E-02	8.52E-05	2.37E-03
7664	637036.2	4168748.9	Worker	Scenario 3	4.03E-02	9.14E-05	2.50E-03
7665	637136.2	4168748.9	Worker	Scenario 3	4.59E-02	1.03E-04	2.56E-03
7666	637236.2	4168748.9	Worker	Scenario 3	4.95E-02	1.11E-04	2.50E-03
7667	637336.2	4168748.9	Worker	Scenario 3	5.47E-02	1.23E-04	2.49E-03
7668	637436.2	4168748.9	Worker	Scenario 3	5.90E-02	1.32E-04	2.47E-03
7669	637536.2	4168748.9	Worker	Scenario 3	6.47E-02	1.44E-04	2.25E-03
7670	637636.2	4168748.9	Worker	Scenario 3	6.58E-02	1.47E-04	2.37E-03
7671	637736.2	4168748.9	Worker	Scenario 3	7.16E-02	1.60E-04	2.49E-03
7672	637836.2	4168748.9	Worker	Scenario 3	7.87E-02	1.75E-04	2.44E-03
7673	637936.2	4168748.9	Worker	Scenario 3	8.61E-02	1.91E-04	2.48E-03
7674	638036.2	4168748.9	Worker	Scenario 3	9.42E-02	2.08E-04	2.53E-03
7675	638136.2	4168748.9	Worker	Scenario 3	1.04E-01	2.30E-04	2.38E-03
7676	638236.2	4168748.9	Worker	Scenario 3	1.17E-01	2.59E-04	1.67E-03
7677	638336.2	4168748.9	Worker	Scenario 3	1.35E-01	2.96E-04	1.67E-03
7678	638436.2	4168748.9	Worker	Scenario 3	1.61E-01	3.49E-04	1.90E-03
7679	641936.2	4168748.9	Worker	Scenario 3	1.32E+00	2.80E-03	9.40E-03
7680	642036.2	4168748.9	Worker	Scenario 3	1.21E+00	2.56E-03	6.53E-03
7681	642136.2	4168748.9	Worker	Scenario 3	1.12E+00	2.37E-03	6.61E-03
7682	642236.2	4168748.9	Worker	Scenario 3	1.03E+00	2.21E-03	6.28E-03
7683	642336.2	4168748.9	Worker	Scenario 3	9.69E-01	2.08E-03	5.99E-03
7684	642436.2	4168748.9	Worker	Scenario 3	9.11E-01	1.96E-03	5.75E-03
7685	642536.2	4168748.9	Worker	Scenario 3	8.58E-01	1.84E-03	5.51E-03
7686	642636.2	4168748.9	Worker	Scenario 3	8.10E-01	1.74E-03	5.38E-03
7687	642736.2	4168748.9	Worker	Scenario 3	7.67E-01	1.65E-03	5.01E-03
7688	642836.2	4168748.9	Worker	Scenario 3	7.26E-01	1.56E-03	4.78E-03
7689	642936.2	4168748.9	Worker	Scenario 3	6.87E-01	1.48E-03	4.59E-03
7690	643036.2	4168748.9	Worker	Scenario 3	6.51E-01	1.40E-03	4.37E-03
7691	643136.2	4168748.9	Worker	Scenario 3	6.18E-01	1.33E-03	4.12E-03
7692	643236.2	4168748.9	Worker	Scenario 3	5.86E-01	1.26E-03	3.87E-03
7693	643336.2	4168748.9	Worker	Scenario 3	5.57E-01	1.20E-03	3.77E-03
7694	643436.2	4168748.9	Worker	Scenario 3	5.29E-01	1.14E-03	3.62E-03
7695	643536.2	4168748.9	Worker	Scenario 3	5.03E-01	1.08E-03	3.42E-03
7696	643636.2	4168748.9	Worker	Scenario 3	4.81E-01	1.04E-03	3.29E-03
7697	643736.2	4168748.9	Worker	Scenario 3	4.62E-01	9.96E-04	3.16E-03
7698	643836.2	4168748.9	Worker	Scenario 3	4.45E-01	9.59E-04	3.16E-03
7699	643936.2	4168748.9	Worker	Scenario 3	4.29E-01	9.26E-04	3.58E-03
7700	644036.2	4168748.9	Worker	Scenario 3	4.12E-01	8.91E-04	3.82E-03
7701	644136.2	4168748.9	Worker	Scenario 3	3.97E-01	8.59E-04	3.83E-03
7702	644236.2	4168748.9	Worker	Scenario 3	3.83E-01	8.29E-04	3.61E-03
7703	644336.2	4168748.9	Worker	Scenario 3	3.70E-01	8.02E-04	3.24E-03
7704	644436.2	4168748.9	Worker	Scenario 3	3.59E-01	7.77E-04	2.78E-03
7705	644536.2	4168748.9	Worker	Scenario 3	3.47E-01	7.52E-04	2.31E-03
7706	644636.2	4168748.9	Worker	Scenario 3	3.36E-01	7.29E-04	2.10E-03
7707	644736.2	4168748.9	Worker	Scenario 3	3.26E-01	7.07E-04	1.95E-03
7708	644836.2	4168748.9	Worker	Scenario 3	3.16E-01	6.86E-04	1.88E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7709	644936.2	4168748.9	Worker	Scenario 3	3.07E-01	6.67E-04	1.82E-03
7710	645036.2	4168748.9	Worker	Scenario 3	3.00E-01	6.50E-04	1.75E-03
7711	645136.2	4168748.9	Worker	Scenario 3	2.92E-01	6.33E-04	1.71E-03
7712	645236.2	4168748.9	Worker	Scenario 3	2.85E-01	6.18E-04	1.64E-03
7713	645336.2	4168748.9	Worker	Scenario 3	2.78E-01	6.03E-04	1.53E-03
7714	645436.2	4168748.9	Worker	Scenario 3	2.72E-01	5.89E-04	1.52E-03
7715	645536.2	4168748.9	Worker	Scenario 3	2.65E-01	5.75E-04	1.51E-03
7716	645636.2	4168748.9	Worker	Scenario 3	2.59E-01	5.61E-04	1.46E-03
7717	645736.2	4168748.9	Worker	Scenario 3	2.53E-01	5.48E-04	1.39E-03
7718	645836.2	4168748.9	Worker	Scenario 3	2.47E-01	5.36E-04	1.37E-03
7719	645936.2	4168748.9	Worker	Scenario 3	2.41E-01	5.23E-04	1.40E-03
7720	646036.2	4168748.9	Worker	Scenario 3	2.35E-01	5.10E-04	1.40E-03
7721	646236.2	4168748.9	Worker	Scenario 3	2.24E-01	4.86E-04	1.34E-03
7722	646336.2	4168748.9	Worker	Scenario 3	2.18E-01	4.75E-04	1.27E-03
7723	646436.2	4168748.9	Worker	Scenario 3	2.13E-01	4.64E-04	1.20E-03
7724	646536.2	4168748.9	Worker	Scenario 3	2.08E-01	4.53E-04	1.13E-03
7725	635736.2	4168848.9	Worker	Scenario 3	1.88E-02	4.24E-05	1.09E-03
7726	635836.2	4168848.9	Worker	Scenario 3	1.97E-02	4.45E-05	1.25E-03
7727	635936.2	4168848.9	Worker	Scenario 3	2.09E-02	4.72E-05	1.41E-03
7728	636036.2	4168848.9	Worker	Scenario 3	2.33E-02	5.27E-05	1.64E-03
7729	636136.2	4168848.9	Worker	Scenario 3	2.40E-02	5.44E-05	1.71E-03
7730	636236.2	4168848.9	Worker	Scenario 3	2.52E-02	5.73E-05	1.79E-03
7731	636336.2	4168848.9	Worker	Scenario 3	2.67E-02	6.06E-05	1.84E-03
7732	636436.2	4168848.9	Worker	Scenario 3	2.84E-02	6.46E-05	1.87E-03
7733	636536.2	4168848.9	Worker	Scenario 3	3.03E-02	6.91E-05	2.01E-03
7734	636636.2	4168848.9	Worker	Scenario 3	3.38E-02	7.69E-05	2.16E-03
7735	636736.2	4168848.9	Worker	Scenario 3	3.97E-02	8.96E-05	2.29E-03
7736	636836.2	4168848.9	Worker	Scenario 3	3.81E-02	8.65E-05	2.39E-03
7737	636936.2	4168848.9	Worker	Scenario 3	3.94E-02	8.95E-05	2.38E-03
7738	637036.2	4168848.9	Worker	Scenario 3	4.23E-02	9.58E-05	2.37E-03
7739	637136.2	4168848.9	Worker	Scenario 3	4.53E-02	1.02E-04	2.43E-03
7740	637236.2	4168848.9	Worker	Scenario 3	4.92E-02	1.11E-04	2.34E-03
7741	637336.2	4168848.9	Worker	Scenario 3	5.34E-02	1.20E-04	2.20E-03
7742	637436.2	4168848.9	Worker	Scenario 3	5.97E-02	1.34E-04	2.37E-03
7743	637536.2	4168848.9	Worker	Scenario 3	6.77E-02	1.51E-04	2.20E-03
7744	637636.2	4168848.9	Worker	Scenario 3	7.11E-02	1.58E-04	2.37E-03
7745	637736.2	4168848.9	Worker	Scenario 3	7.66E-02	1.70E-04	2.53E-03
7746	637836.2	4168848.9	Worker	Scenario 3	8.56E-02	1.89E-04	2.34E-03
7747	637936.2	4168848.9	Worker	Scenario 3	9.47E-02	2.09E-04	2.08E-03
7748	638036.2	4168848.9	Worker	Scenario 3	1.02E-01	2.25E-04	2.12E-03
7749	638136.2	4168848.9	Worker	Scenario 3	1.14E-01	2.49E-04	1.84E-03
7750	638236.2	4168848.9	Worker	Scenario 3	1.28E-01	2.81E-04	1.74E-03
7751	641636.2	4168848.9	Worker	Scenario 3	1.36E+00	2.88E-03	6.90E-03
7752	641736.2	4168848.9	Worker	Scenario 3	1.26E+00	2.68E-03	6.82E-03
7753	641836.2	4168848.9	Worker	Scenario 3	1.17E+00	2.48E-03	8.82E-03
7754	641936.2	4168848.9	Worker	Scenario 3	1.08E+00	2.31E-03	9.87E-03
7755	642036.2	4168848.9	Worker	Scenario 3	1.00E+00	2.14E-03	6.05E-03
7756	642136.2	4168848.9	Worker	Scenario 3	9.40E-01	2.00E-03	5.97E-03
7757	642236.2	4168848.9	Worker	Scenario 3	8.83E-01	1.89E-03	5.82E-03
7758	642336.2	4168848.9	Worker	Scenario 3	8.35E-01	1.79E-03	5.62E-03
7759	642436.2	4168848.9	Worker	Scenario 3	7.93E-01	1.71E-03	5.33E-03
7760	642536.2	4168848.9	Worker	Scenario 3	7.54E-01	1.62E-03	5.17E-03
7761	642636.2	4168848.9	Worker	Scenario 3	7.18E-01	1.55E-03	4.93E-03
7762	642736.2	4168848.9	Worker	Scenario 3	6.85E-01	1.47E-03	4.75E-03
7763	642836.2	4168848.9	Worker	Scenario 3	6.52E-01	1.40E-03	4.53E-03
7764	642936.2	4168848.9	Worker	Scenario 3	6.21E-01	1.34E-03	4.33E-03
7765	643036.2	4168848.9	Worker	Scenario 3	5.92E-01	1.28E-03	4.16E-03
7766	643136.2	4168848.9	Worker	Scenario 3	5.65E-01	1.22E-03	3.99E-03
7767	643236.2	4168848.9	Worker	Scenario 3	5.39E-01	1.16E-03	3.73E-03
7768	643336.2	4168848.9	Worker	Scenario 3	5.14E-01	1.11E-03	3.47E-03
7769	643436.2	4168848.9	Worker	Scenario 3	4.91E-01	1.06E-03	3.44E-03
7770	643536.2	4168848.9	Worker	Scenario 3	4.69E-01	1.01E-03	3.35E-03
7771	643636.2	4168848.9	Worker	Scenario 3	4.49E-01	9.67E-04	3.19E-03
7772	643736.2	4168848.9	Worker	Scenario 3	4.32E-01	9.30E-04	3.06E-03
7773	643836.2	4168848.9	Worker	Scenario 3	4.16E-01	8.97E-04	2.91E-03
7774	643936.2	4168848.9	Worker	Scenario 3	4.02E-01	8.67E-04	2.84E-03
7775	644036.2	4168848.9	Worker	Scenario 3	3.88E-01	8.37E-04	3.05E-03
7776	644136.2	4168848.9	Worker	Scenario 3	3.74E-01	8.08E-04	3.43E-03
7777	644236.2	4168848.9	Worker	Scenario 3	3.61E-01	7.81E-04	3.62E-03
7778	644336.2	4168848.9	Worker	Scenario 3	3.50E-01	7.56E-04	3.60E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7779	644436.2	4168848.9	Worker	Scenario 3	3.39E-01	7.33E-04	3.39E-03
7780	644536.2	4168848.9	Worker	Scenario 3	3.28E-01	7.11E-04	3.05E-03
7781	644836.2	4168848.9	Worker	Scenario 3	3.00E-01	6.50E-04	1.94E-03
7782	644936.2	4168848.9	Worker	Scenario 3	2.91E-01	6.32E-04	1.81E-03
7783	645036.2	4168848.9	Worker	Scenario 3	2.84E-01	6.15E-04	1.74E-03
7784	645136.2	4168848.9	Worker	Scenario 3	2.76E-01	6.00E-04	1.66E-03
7785	645236.2	4168848.9	Worker	Scenario 3	2.70E-01	5.85E-04	1.63E-03
7786	645336.2	4168848.9	Worker	Scenario 3	2.63E-01	5.71E-04	1.57E-03
7787	645436.2	4168848.9	Worker	Scenario 3	2.57E-01	5.58E-04	1.53E-03
7788	645536.2	4168848.9	Worker	Scenario 3	2.51E-01	5.45E-04	1.46E-03
7789	645636.2	4168848.9	Worker	Scenario 3	2.46E-01	5.33E-04	1.37E-03
7790	645736.2	4168848.9	Worker	Scenario 3	2.40E-01	5.21E-04	1.38E-03
7791	645836.2	4168848.9	Worker	Scenario 3	2.35E-01	5.09E-04	1.39E-03
7792	645936.2	4168848.9	Worker	Scenario 3	2.30E-01	4.98E-04	1.35E-03
7793	646036.2	4168848.9	Worker	Scenario 3	2.24E-01	4.87E-04	1.29E-03
7794	646236.2	4168848.9	Worker	Scenario 3	2.14E-01	4.64E-04	1.31E-03
7795	646336.2	4168848.9	Worker	Scenario 3	2.09E-01	4.54E-04	1.32E-03
7796	646436.2	4168848.9	Worker	Scenario 3	2.04E-01	4.44E-04	1.31E-03
7797	635736.2	4168948.9	Worker	Scenario 3	1.95E-02	4.42E-05	1.36E-03
7798	635836.2	4168948.9	Worker	Scenario 3	2.05E-02	4.67E-05	1.47E-03
7799	635936.2	4168948.9	Worker	Scenario 3	2.21E-02	5.03E-05	1.58E-03
7800	636036.2	4168948.9	Worker	Scenario 3	2.40E-02	5.48E-05	1.66E-03
7801	636136.2	4168948.9	Worker	Scenario 3	2.50E-02	5.70E-05	1.64E-03
7802	636236.2	4168948.9	Worker	Scenario 3	2.75E-02	6.28E-05	1.84E-03
7803	636336.2	4168948.9	Worker	Scenario 3	3.01E-02	6.85E-05	1.94E-03
7804	636436.2	4168948.9	Worker	Scenario 3	3.12E-02	7.12E-05	2.08E-03
7805	636536.2	4168948.9	Worker	Scenario 3	3.31E-02	7.54E-05	2.18E-03
7806	636636.2	4168948.9	Worker	Scenario 3	3.52E-02	8.01E-05	2.18E-03
7807	636736.2	4168948.9	Worker	Scenario 3	3.69E-02	8.37E-05	2.13E-03
7808	636836.2	4168948.9	Worker	Scenario 3	4.15E-02	9.37E-05	2.25E-03
7809	636936.2	4168948.9	Worker	Scenario 3	4.56E-02	1.03E-04	2.16E-03
7810	637036.2	4168948.9	Worker	Scenario 3	4.62E-02	1.04E-04	2.00E-03
7811	637136.2	4168948.9	Worker	Scenario 3	4.82E-02	1.09E-04	2.23E-03
7812	637236.2	4168948.9	Worker	Scenario 3	5.19E-02	1.17E-04	2.39E-03
7813	637336.2	4168948.9	Worker	Scenario 3	5.65E-02	1.27E-04	2.39E-03
7814	637436.2	4168948.9	Worker	Scenario 3	6.14E-02	1.37E-04	2.53E-03
7815	637536.2	4168948.9	Worker	Scenario 3	6.83E-02	1.52E-04	2.59E-03
7816	637636.2	4168948.9	Worker	Scenario 3	7.59E-02	1.68E-04	2.41E-03
7817	637736.2	4168948.9	Worker	Scenario 3	8.16E-02	1.80E-04	2.42E-03
7818	637836.2	4168948.9	Worker	Scenario 3	8.81E-02	1.94E-04	2.33E-03
7819	637936.2	4168948.9	Worker	Scenario 3	1.02E-01	2.25E-04	1.44E-03
7820	638036.2	4168948.9	Worker	Scenario 3	1.13E-01	2.48E-04	1.61E-03
7821	638136.2	4168948.9	Worker	Scenario 3	1.26E-01	2.76E-04	1.72E-03
7822	641636.2	4168948.9	Worker	Scenario 3	1.12E+00	2.39E-03	6.32E-03
7823	641736.2	4168948.9	Worker	Scenario 3	1.05E+00	2.25E-03	6.15E-03
7824	641836.2	4168948.9	Worker	Scenario 3	9.82E-01	2.10E-03	7.25E-03
7825	641936.2	4168948.9	Worker	Scenario 3	9.21E-01	1.97E-03	9.69E-03
7826	642036.2	4168948.9	Worker	Scenario 3	8.67E-01	1.86E-03	6.87E-03
7827	642136.2	4168948.9	Worker	Scenario 3	8.18E-01	1.75E-03	5.58E-03
7828	642236.2	4168948.9	Worker	Scenario 3	7.72E-01	1.65E-03	5.43E-03
7829	642336.2	4168948.9	Worker	Scenario 3	7.33E-01	1.58E-03	5.26E-03
7830	642436.2	4168948.9	Worker	Scenario 3	6.99E-01	1.51E-03	5.05E-03
7831	642536.2	4168948.9	Worker	Scenario 3	6.68E-01	1.44E-03	4.79E-03
7832	642636.2	4168948.9	Worker	Scenario 3	6.41E-01	1.38E-03	4.66E-03
7833	642736.2	4168948.9	Worker	Scenario 3	6.14E-01	1.33E-03	4.51E-03
7834	642836.2	4168948.9	Worker	Scenario 3	5.88E-01	1.27E-03	4.19E-03
7835	642936.2	4168948.9	Worker	Scenario 3	5.63E-01	1.21E-03	4.11E-03
7836	643036.2	4168948.9	Worker	Scenario 3	5.39E-01	1.16E-03	3.95E-03
7837	643136.2	4168948.9	Worker	Scenario 3	5.17E-01	1.12E-03	3.80E-03
7838	643236.2	4168948.9	Worker	Scenario 3	4.95E-01	1.07E-03	3.69E-03
7839	643336.2	4168948.9	Worker	Scenario 3	4.75E-01	1.03E-03	3.37E-03
7840	643436.2	4168948.9	Worker	Scenario 3	4.55E-01	9.84E-04	3.29E-03
7841	643536.2	4168948.9	Worker	Scenario 3	4.36E-01	9.42E-04	3.22E-03
7842	643636.2	4168948.9	Worker	Scenario 3	4.18E-01	9.03E-04	3.09E-03
7843	643736.2	4168948.9	Worker	Scenario 3	4.03E-01	8.69E-04	2.95E-03
7844	643836.2	4168948.9	Worker	Scenario 3	3.89E-01	8.39E-04	2.84E-03
7845	643936.2	4168948.9	Worker	Scenario 3	3.77E-01	8.13E-04	2.74E-03
7846	644036.2	4168948.9	Worker	Scenario 3	3.65E-01	7.87E-04	2.64E-03
7847	644136.2	4168948.9	Worker	Scenario 3	3.53E-01	7.61E-04	2.63E-03
7848	644236.2	4168948.9	Worker	Scenario 3	3.41E-01	7.36E-04	2.98E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7849	644336.2	4168948.9	Worker	Scenario 3	3.30E-01	7.13E-04	3.29E-03
7850	644436.2	4168948.9	Worker	Scenario 3	3.20E-01	6.92E-04	3.43E-03
7851	644536.2	4168948.9	Worker	Scenario 3	3.10E-01	6.72E-04	3.39E-03
7852	644836.2	4168948.9	Worker	Scenario 3	2.84E-01	6.15E-04	2.51E-03
7853	644936.2	4168948.9	Worker	Scenario 3	2.76E-01	5.99E-04	2.11E-03
7854	645036.2	4168948.9	Worker	Scenario 3	2.69E-01	5.84E-04	1.82E-03
7855	645136.2	4168948.9	Worker	Scenario 3	2.62E-01	5.68E-04	1.70E-03
7856	645236.2	4168948.9	Worker	Scenario 3	2.55E-01	5.54E-04	1.60E-03
7857	645336.2	4168948.9	Worker	Scenario 3	2.49E-01	5.41E-04	1.54E-03
7858	645436.2	4168948.9	Worker	Scenario 3	2.43E-01	5.28E-04	1.51E-03
7859	645536.2	4168948.9	Worker	Scenario 3	2.38E-01	5.17E-04	1.45E-03
7860	645636.2	4168948.9	Worker	Scenario 3	2.33E-01	5.05E-04	1.42E-03
7861	645736.2	4168948.9	Worker	Scenario 3	2.28E-01	4.94E-04	1.38E-03
7862	645836.2	4168948.9	Worker	Scenario 3	2.23E-01	4.84E-04	1.30E-03
7863	646036.2	4168948.9	Worker	Scenario 3	2.14E-01	4.63E-04	1.31E-03
7864	646236.2	4168948.9	Worker	Scenario 3	2.04E-01	4.43E-04	1.28E-03
7865	646336.2	4168948.9	Worker	Scenario 3	2.00E-01	4.34E-04	1.22E-03
7866	635636.2	4169048.9	Worker	Scenario 3	1.90E-02	4.33E-05	1.30E-03
7867	635736.2	4169048.9	Worker	Scenario 3	1.98E-02	4.53E-05	1.33E-03
7868	635836.2	4169048.9	Worker	Scenario 3	2.11E-02	4.83E-05	1.36E-03
7869	635936.2	4169048.9	Worker	Scenario 3	2.32E-02	5.30E-05	1.47E-03
7870	636036.2	4169048.9	Worker	Scenario 3	2.47E-02	5.64E-05	1.50E-03
7871	636136.2	4169048.9	Worker	Scenario 3	2.58E-02	5.90E-05	1.65E-03
7872	636236.2	4169048.9	Worker	Scenario 3	2.72E-02	6.21E-05	1.76E-03
7873	636336.2	4169048.9	Worker	Scenario 3	2.89E-02	6.61E-05	1.82E-03
7874	636436.2	4169048.9	Worker	Scenario 3	3.10E-02	7.07E-05	1.81E-03
7875	636536.2	4169048.9	Worker	Scenario 3	3.33E-02	7.58E-05	1.93E-03
7876	636636.2	4169048.9	Worker	Scenario 3	3.58E-02	8.12E-05	1.93E-03
7877	636736.2	4169048.9	Worker	Scenario 3	3.95E-02	8.93E-05	1.85E-03
7878	636836.2	4169048.9	Worker	Scenario 3	4.26E-02	9.62E-05	1.98E-03
7879	636936.2	4169048.9	Worker	Scenario 3	4.47E-02	1.01E-04	2.19E-03
7880	637036.2	4169048.9	Worker	Scenario 3	5.01E-02	1.12E-04	2.20E-03
7881	637136.2	4169048.9	Worker	Scenario 3	5.61E-02	1.25E-04	2.10E-03
7882	637236.2	4169048.9	Worker	Scenario 3	5.66E-02	1.26E-04	2.47E-03
7883	637336.2	4169048.9	Worker	Scenario 3	5.99E-02	1.34E-04	2.73E-03
7884	637436.2	4169048.9	Worker	Scenario 3	6.52E-02	1.45E-04	2.71E-03
7885	637536.2	4169048.9	Worker	Scenario 3	7.09E-02	1.57E-04	2.57E-03
7886	637636.2	4169048.9	Worker	Scenario 3	7.99E-02	1.77E-04	2.06E-03
7887	637736.2	4169048.9	Worker	Scenario 3	8.70E-02	1.92E-04	1.82E-03
7888	637836.2	4169048.9	Worker	Scenario 3	9.57E-02	2.11E-04	1.86E-03
7889	637936.2	4169048.9	Worker	Scenario 3	1.08E-01	2.38E-04	1.58E-03
7890	638036.2	4169048.9	Worker	Scenario 3	1.25E-01	2.72E-04	1.62E-03
7891	640236.2	4169048.9	Worker	Scenario 3	6.79E-01	1.45E-03	3.85E-03
7892	641636.2	4169048.9	Worker	Scenario 3	9.63E-01	2.05E-03	5.74E-03
7893	641736.2	4169048.9	Worker	Scenario 3	9.04E-01	1.93E-03	5.43E-03
7894	641836.2	4169048.9	Worker	Scenario 3	8.55E-01	1.83E-03	6.07E-03
7895	641936.2	4169048.9	Worker	Scenario 3	8.08E-01	1.73E-03	9.07E-03
7896	642036.2	4169048.9	Worker	Scenario 3	7.65E-01	1.64E-03	7.77E-03
7897	642136.2	4169048.9	Worker	Scenario 3	7.25E-01	1.55E-03	4.77E-03
7898	642236.2	4169048.9	Worker	Scenario 3	6.88E-01	1.48E-03	4.92E-03
7899	642336.2	4169048.9	Worker	Scenario 3	6.55E-01	1.41E-03	4.88E-03
7900	642436.2	4169048.9	Worker	Scenario 3	6.26E-01	1.35E-03	4.67E-03
7901	642536.2	4169048.9	Worker	Scenario 3	6.00E-01	1.30E-03	4.56E-03
7902	642636.2	4169048.9	Worker	Scenario 3	5.77E-01	1.25E-03	4.39E-03
7903	642736.2	4169048.9	Worker	Scenario 3	5.55E-01	1.20E-03	4.20E-03
7904	642836.2	4169048.9	Worker	Scenario 3	5.34E-01	1.15E-03	4.17E-03
7905	642936.2	4169048.9	Worker	Scenario 3	5.12E-01	1.11E-03	3.70E-03
7906	643036.2	4169048.9	Worker	Scenario 3	4.92E-01	1.06E-03	3.74E-03
7907	643136.2	4169048.9	Worker	Scenario 3	4.74E-01	1.02E-03	3.62E-03
7908	643236.2	4169048.9	Worker	Scenario 3	4.56E-01	9.87E-04	3.49E-03
7909	643336.2	4169048.9	Worker	Scenario 3	4.39E-01	9.51E-04	3.41E-03
7910	643436.2	4169048.9	Worker	Scenario 3	4.22E-01	9.15E-04	3.09E-03
7911	643536.2	4169048.9	Worker	Scenario 3	4.06E-01	8.79E-04	3.09E-03
7912	643636.2	4169048.9	Worker	Scenario 3	3.90E-01	8.44E-04	2.97E-03
7913	643736.2	4169048.9	Worker	Scenario 3	3.76E-01	8.13E-04	2.88E-03
7914	643836.2	4169048.9	Worker	Scenario 3	3.64E-01	7.86E-04	2.78E-03
7915	643936.2	4169048.9	Worker	Scenario 3	3.53E-01	7.62E-04	2.66E-03
7916	644036.2	4169048.9	Worker	Scenario 3	3.43E-01	7.40E-04	2.56E-03
7917	644236.2	4169048.9	Worker	Scenario 3	3.22E-01	6.95E-04	2.42E-03
7918	644336.2	4169048.9	Worker	Scenario 3	3.12E-01	6.73E-04	2.53E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7919	644436.2	4169048.9	Worker	Scenario 3	3.03E-01	6.54E-04	2.91E-03
7920	644836.2	4169048.9	Worker	Scenario 3	2.69E-01	5.84E-04	3.01E-03
7921	644936.2	4169048.9	Worker	Scenario 3	2.62E-01	5.69E-04	2.73E-03
7922	645036.2	4169048.9	Worker	Scenario 3	2.55E-01	5.54E-04	2.39E-03
7923	645136.2	4169048.9	Worker	Scenario 3	2.49E-01	5.40E-04	2.03E-03
7924	645236.2	4169048.9	Worker	Scenario 3	2.43E-01	5.27E-04	1.73E-03
7925	645336.2	4169048.9	Worker	Scenario 3	2.37E-01	5.14E-04	1.60E-03
7926	645436.2	4169048.9	Worker	Scenario 3	2.31E-01	5.02E-04	1.50E-03
7927	645536.2	4169048.9	Worker	Scenario 3	2.26E-01	4.91E-04	1.44E-03
7928	645636.2	4169048.9	Worker	Scenario 3	2.21E-01	4.81E-04	1.39E-03
7929	645736.2	4169048.9	Worker	Scenario 3	2.17E-01	4.70E-04	1.37E-03
7930	645836.2	4169048.9	Worker	Scenario 3	2.12E-01	4.61E-04	1.32E-03
7931	645936.2	4169048.9	Worker	Scenario 3	2.08E-01	4.51E-04	1.30E-03
7932	646036.2	4169048.9	Worker	Scenario 3	2.04E-01	4.42E-04	1.25E-03
7933	646236.2	4169048.9	Worker	Scenario 3	1.95E-01	4.24E-04	1.22E-03
7934	635636.2	4169148.9	Worker	Scenario 3	2.30E-02	5.25E-05	1.53E-03
7935	635736.2	4169148.9	Worker	Scenario 3	2.17E-02	4.97E-05	1.33E-03
7936	635836.2	4169148.9	Worker	Scenario 3	2.20E-02	5.04E-05	1.37E-03
7937	635936.2	4169148.9	Worker	Scenario 3	2.36E-02	5.41E-05	1.46E-03
7938	636036.2	4169148.9	Worker	Scenario 3	2.52E-02	5.77E-05	1.53E-03
7939	636136.2	4169148.9	Worker	Scenario 3	2.75E-02	6.28E-05	1.60E-03
7940	636236.2	4169148.9	Worker	Scenario 3	2.97E-02	6.76E-05	1.74E-03
7941	636336.2	4169148.9	Worker	Scenario 3	3.13E-02	7.12E-05	1.73E-03
7942	636436.2	4169148.9	Worker	Scenario 3	3.30E-02	7.50E-05	1.62E-03
7943	636536.2	4169148.9	Worker	Scenario 3	3.51E-02	7.96E-05	1.67E-03
7944	636636.2	4169148.9	Worker	Scenario 3	3.70E-02	8.38E-05	1.93E-03
7945	636736.2	4169148.9	Worker	Scenario 3	3.97E-02	8.99E-05	2.09E-03
7946	636836.2	4169148.9	Worker	Scenario 3	4.28E-02	9.64E-05	2.20E-03
7947	636936.2	4169148.9	Worker	Scenario 3	4.59E-02	1.03E-04	2.35E-03
7948	637036.2	4169148.9	Worker	Scenario 3	4.97E-02	1.11E-04	2.55E-03
7949	637136.2	4169148.9	Worker	Scenario 3	5.42E-02	1.21E-04	2.69E-03
7950	637236.2	4169148.9	Worker	Scenario 3	6.04E-02	1.34E-04	2.48E-03
7951	637336.2	4169148.9	Worker	Scenario 3	6.57E-02	1.46E-04	2.24E-03
7952	637436.2	4169148.9	Worker	Scenario 3	6.92E-02	1.53E-04	2.19E-03
7953	637536.2	4169148.9	Worker	Scenario 3	7.62E-02	1.69E-04	1.81E-03
7954	637636.2	4169148.9	Worker	Scenario 3	8.37E-02	1.85E-04	1.85E-03
7955	637736.2	4169148.9	Worker	Scenario 3	9.18E-02	2.02E-04	1.85E-03
7956	637836.2	4169148.9	Worker	Scenario 3	1.02E-01	2.24E-04	1.72E-03
7957	640136.2	4169148.9	Worker	Scenario 3	6.28E-01	1.34E-03	3.50E-03
7958	640236.2	4169148.9	Worker	Scenario 3	6.26E-01	1.34E-03	3.56E-03
7959	641636.2	4169148.9	Worker	Scenario 3	8.52E-01	1.82E-03	5.36E-03
7960	641736.2	4169148.9	Worker	Scenario 3	7.98E-01	1.71E-03	4.95E-03
7961	641836.2	4169148.9	Worker	Scenario 3	7.57E-01	1.62E-03	5.36E-03
7962	641936.2	4169148.9	Worker	Scenario 3	7.19E-01	1.55E-03	8.15E-03
7963	642036.2	4169148.9	Worker	Scenario 3	6.85E-01	1.47E-03	8.24E-03
7964	642136.2	4169148.9	Worker	Scenario 3	6.52E-01	1.40E-03	5.09E-03
7965	642236.2	4169148.9	Worker	Scenario 3	6.20E-01	1.33E-03	4.76E-03
7966	642336.2	4169148.9	Worker	Scenario 3	5.92E-01	1.27E-03	4.58E-03
7967	642436.2	4169148.9	Worker	Scenario 3	5.67E-01	1.22E-03	4.47E-03
7968	642536.2	4169148.9	Worker	Scenario 3	5.45E-01	1.18E-03	4.27E-03
7969	642636.2	4169148.9	Worker	Scenario 3	5.25E-01	1.14E-03	4.06E-03
7970	642736.2	4169148.9	Worker	Scenario 3	5.06E-01	1.10E-03	4.01E-03
7971	642836.2	4169148.9	Worker	Scenario 3	4.88E-01	1.06E-03	3.87E-03
7972	642936.2	4169148.9	Worker	Scenario 3	4.69E-01	1.02E-03	3.84E-03
7973	643036.2	4169148.9	Worker	Scenario 3	4.52E-01	9.79E-04	3.37E-03
7974	643136.2	4169148.9	Worker	Scenario 3	4.37E-01	9.44E-04	3.44E-03
7975	643236.2	4169148.9	Worker	Scenario 3	4.21E-01	9.12E-04	3.33E-03
7976	643336.2	4169148.9	Worker	Scenario 3	4.07E-01	8.81E-04	3.22E-03
7977	643436.2	4169148.9	Worker	Scenario 3	3.93E-01	8.52E-04	3.18E-03
7978	643536.2	4169148.9	Worker	Scenario 3	3.78E-01	8.21E-04	2.92E-03
7979	643636.2	4169148.9	Worker	Scenario 3	3.65E-01	7.91E-04	2.89E-03
7980	643736.2	4169148.9	Worker	Scenario 3	3.52E-01	7.62E-04	2.72E-03
7981	643836.2	4169148.9	Worker	Scenario 3	3.41E-01	7.37E-04	2.66E-03
7982	643936.2	4169148.9	Worker	Scenario 3	3.31E-01	7.15E-04	2.59E-03
7983	644036.2	4169148.9	Worker	Scenario 3	3.22E-01	6.95E-04	2.50E-03
7984	644136.2	4169148.9	Worker	Scenario 3	3.13E-01	6.76E-04	2.41E-03
7985	644636.2	4169148.9	Worker	Scenario 3	2.70E-01	5.84E-04	2.83E-03
7986	644736.2	4169148.9	Worker	Scenario 3	2.63E-01	5.69E-04	3.03E-03
7987	644836.2	4169148.9	Worker	Scenario 3	2.56E-01	5.54E-04	3.10E-03
7988	644936.2	4169148.9	Worker	Scenario 3	2.49E-01	5.40E-04	3.04E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7989	645036.2	4169148.9	Worker	Scenario 3	2.43E-01	5.27E-04	2.86E-03
7990	645136.2	4169148.9	Worker	Scenario 3	2.37E-01	5.14E-04	2.60E-03
7991	645236.2	4169148.9	Worker	Scenario 3	2.31E-01	5.01E-04	2.29E-03
7992	645336.2	4169148.9	Worker	Scenario 3	2.25E-01	4.89E-04	1.96E-03
7993	645436.2	4169148.9	Worker	Scenario 3	2.20E-01	4.78E-04	1.65E-03
7994	645536.2	4169148.9	Worker	Scenario 3	2.15E-01	4.68E-04	1.51E-03
7995	645636.2	4169148.9	Worker	Scenario 3	2.11E-01	4.58E-04	1.41E-03
7996	645736.2	4169148.9	Worker	Scenario 3	2.06E-01	4.48E-04	1.35E-03
7997	645836.2	4169148.9	Worker	Scenario 3	2.02E-01	4.39E-04	1.30E-03
7998	645936.2	4169148.9	Worker	Scenario 3	1.98E-01	4.30E-04	1.28E-03
7999	646036.2	4169148.9	Worker	Scenario 3	1.94E-01	4.21E-04	1.24E-03
8000	635636.2	4169248.9	Worker	Scenario 3	2.45E-02	5.60E-05	1.68E-03
8001	635736.2	4169248.9	Worker	Scenario 3	2.63E-02	6.00E-05	1.72E-03
8002	635836.2	4169248.9	Worker	Scenario 3	2.52E-02	5.76E-05	1.50E-03
8003	635936.2	4169248.9	Worker	Scenario 3	2.48E-02	5.68E-05	1.40E-03
8004	636036.2	4169248.9	Worker	Scenario 3	2.66E-02	6.07E-05	1.43E-03
8005	636136.2	4169248.9	Worker	Scenario 3	2.85E-02	6.49E-05	1.41E-03
8006	636236.2	4169248.9	Worker	Scenario 3	3.02E-02	6.87E-05	1.37E-03
8007	636336.2	4169248.9	Worker	Scenario 3	3.26E-02	7.40E-05	1.69E-03
8008	636436.2	4169248.9	Worker	Scenario 3	3.58E-02	8.09E-05	1.92E-03
8009	636536.2	4169248.9	Worker	Scenario 3	3.89E-02	8.79E-05	2.00E-03
8010	636636.2	4169248.9	Worker	Scenario 3	3.95E-02	8.92E-05	2.16E-03
8011	636736.2	4169248.9	Worker	Scenario 3	4.18E-02	9.43E-05	2.28E-03
8012	636836.2	4169248.9	Worker	Scenario 3	4.56E-02	1.02E-04	2.52E-03
8013	636936.2	4169248.9	Worker	Scenario 3	4.86E-02	1.09E-04	2.65E-03
8014	637036.2	4169248.9	Worker	Scenario 3	5.25E-02	1.17E-04	2.59E-03
8015	637136.2	4169248.9	Worker	Scenario 3	5.65E-02	1.26E-04	2.42E-03
8016	637236.2	4169248.9	Worker	Scenario 3	6.15E-02	1.37E-04	2.11E-03
8017	637336.2	4169248.9	Worker	Scenario 3	6.89E-02	1.53E-04	1.70E-03
8018	637436.2	4169248.9	Worker	Scenario 3	7.38E-02	1.63E-04	1.86E-03
8019	637536.2	4169248.9	Worker	Scenario 3	8.15E-02	1.80E-04	1.73E-03
8020	637636.2	4169248.9	Worker	Scenario 3	8.91E-02	1.96E-04	1.64E-03
8021	637736.2	4169248.9	Worker	Scenario 3	9.83E-02	2.16E-04	1.44E-03
8022	637936.2	4169248.9	Worker	Scenario 3	1.24E-01	2.71E-04	1.38E-03
8023	640036.2	4169248.9	Worker	Scenario 3	5.87E-01	1.25E-03	3.23E-03
8024	640136.2	4169248.9	Worker	Scenario 3	5.78E-01	1.24E-03	3.33E-03
8025	640236.2	4169248.9	Worker	Scenario 3	5.78E-01	1.24E-03	3.43E-03
8026	641636.2	4169248.9	Worker	Scenario 3	7.65E-01	1.64E-03	4.98E-03
8027	641736.2	4169248.9	Worker	Scenario 3	7.15E-01	1.53E-03	4.76E-03
8028	641836.2	4169248.9	Worker	Scenario 3	6.78E-01	1.46E-03	4.81E-03
8029	641936.2	4169248.9	Worker	Scenario 3	6.47E-01	1.39E-03	7.09E-03
8030	642036.2	4169248.9	Worker	Scenario 3	6.19E-01	1.33E-03	8.29E-03
8031	642136.2	4169248.9	Worker	Scenario 3	5.91E-01	1.27E-03	5.89E-03
8032	642236.2	4169248.9	Worker	Scenario 3	5.65E-01	1.21E-03	4.20E-03
8033	642336.2	4169248.9	Worker	Scenario 3	5.41E-01	1.16E-03	4.27E-03
8034	642436.2	4169248.9	Worker	Scenario 3	5.19E-01	1.12E-03	4.18E-03
8035	642536.2	4169248.9	Worker	Scenario 3	5.00E-01	1.08E-03	4.18E-03
8036	642636.2	4169248.9	Worker	Scenario 3	4.82E-01	1.05E-03	3.92E-03
8037	642736.2	4169248.9	Worker	Scenario 3	4.66E-01	1.01E-03	3.76E-03
8038	642836.2	4169248.9	Worker	Scenario 3	4.49E-01	9.75E-04	3.64E-03
8039	642936.2	4169248.9	Worker	Scenario 3	4.33E-01	9.40E-04	3.52E-03
8040	643036.2	4169248.9	Worker	Scenario 3	4.18E-01	9.07E-04	3.52E-03
8041	643136.2	4169248.9	Worker	Scenario 3	4.04E-01	8.76E-04	3.18E-03
8042	643236.2	4169248.9	Worker	Scenario 3	3.91E-01	8.47E-04	3.20E-03
8043	643336.2	4169248.9	Worker	Scenario 3	3.78E-01	8.20E-04	3.09E-03
8044	643436.2	4169248.9	Worker	Scenario 3	3.66E-01	7.94E-04	2.99E-03
8045	643536.2	4169248.9	Worker	Scenario 3	3.53E-01	7.68E-04	2.96E-03
8046	643636.2	4169248.9	Worker	Scenario 3	3.41E-01	7.41E-04	2.75E-03
8047	643736.2	4169248.9	Worker	Scenario 3	3.30E-01	7.16E-04	2.70E-03
8048	643836.2	4169248.9	Worker	Scenario 3	3.19E-01	6.93E-04	2.48E-03
8049	643936.2	4169248.9	Worker	Scenario 3	3.10E-01	6.73E-04	2.52E-03
8050	644036.2	4169248.9	Worker	Scenario 3	3.03E-01	6.55E-04	2.43E-03
8051	644136.2	4169248.9	Worker	Scenario 3	2.94E-01	6.37E-04	2.35E-03
8052	644236.2	4169248.9	Worker	Scenario 3	2.86E-01	6.19E-04	2.26E-03
8053	644636.2	4169248.9	Worker	Scenario 3	2.56E-01	5.53E-04	2.16E-03
8054	644736.2	4169248.9	Worker	Scenario 3	2.49E-01	5.39E-04	2.47E-03
8055	644836.2	4169248.9	Worker	Scenario 3	2.43E-01	5.26E-04	2.75E-03
8056	644936.2	4169248.9	Worker	Scenario 3	2.37E-01	5.13E-04	2.92E-03
8057	645036.2	4169248.9	Worker	Scenario 3	2.31E-01	5.01E-04	2.97E-03
8058	645136.2	4169248.9	Worker	Scenario 3	2.25E-01	4.89E-04	2.89E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8059	645236.2	4169248.9	Worker	Scenario 3	2.20E-01	4.77E-04	2.72E-03
8060	645336.2	4169248.9	Worker	Scenario 3	2.15E-01	4.66E-04	2.48E-03
8061	645436.2	4169248.9	Worker	Scenario 3	2.10E-01	4.56E-04	2.19E-03
8062	645536.2	4169248.9	Worker	Scenario 3	2.05E-01	4.46E-04	1.89E-03
8063	645636.2	4169248.9	Worker	Scenario 3	2.01E-01	4.36E-04	1.59E-03
8064	645736.2	4169248.9	Worker	Scenario 3	1.96E-01	4.27E-04	1.42E-03
8065	645836.2	4169248.9	Worker	Scenario 3	1.93E-01	4.19E-04	1.34E-03
8066	645936.2	4169248.9	Worker	Scenario 3	1.89E-01	4.10E-04	1.27E-03
8067	646036.2	4169248.9	Worker	Scenario 3	1.85E-01	4.02E-04	1.23E-03
8068	635636.2	4169348.9	Worker	Scenario 3	3.26E-02	7.32E-05	1.55E-03
8069	635736.2	4169348.9	Worker	Scenario 3	2.85E-02	6.47E-05	1.66E-03
8070	635836.2	4169348.9	Worker	Scenario 3	2.82E-02	6.42E-05	1.51E-03
8071	635936.2	4169348.9	Worker	Scenario 3	2.85E-02	6.48E-05	1.30E-03
8072	636036.2	4169348.9	Worker	Scenario 3	2.92E-02	6.65E-05	1.49E-03
8073	636136.2	4169348.9	Worker	Scenario 3	3.02E-02	6.86E-05	1.65E-03
8074	636236.2	4169348.9	Worker	Scenario 3	3.17E-02	7.20E-05	1.77E-03
8075	636336.2	4169348.9	Worker	Scenario 3	3.41E-02	7.72E-05	1.94E-03
8076	636436.2	4169348.9	Worker	Scenario 3	3.68E-02	8.31E-05	2.09E-03
8077	636536.2	4169348.9	Worker	Scenario 3	3.92E-02	8.83E-05	2.22E-03
8078	636636.2	4169348.9	Worker	Scenario 3	4.35E-02	9.76E-05	2.39E-03
8079	636736.2	4169348.9	Worker	Scenario 3	4.44E-02	9.97E-05	2.55E-03
8080	636836.2	4169348.9	Worker	Scenario 3	4.76E-02	1.06E-04	2.47E-03
8081	636936.2	4169348.9	Worker	Scenario 3	5.27E-02	1.17E-04	2.17E-03
8082	637036.2	4169348.9	Worker	Scenario 3	5.63E-02	1.25E-04	1.91E-03
8083	637136.2	4169348.9	Worker	Scenario 3	6.20E-02	1.38E-04	1.64E-03
8084	637236.2	4169348.9	Worker	Scenario 3	6.72E-02	1.49E-04	1.68E-03
8085	637336.2	4169348.9	Worker	Scenario 3	7.25E-02	1.61E-04	1.67E-03
8086	637436.2	4169348.9	Worker	Scenario 3	7.93E-02	1.75E-04	1.50E-03
8087	637536.2	4169348.9	Worker	Scenario 3	8.67E-02	1.92E-04	1.34E-03
8088	637636.2	4169348.9	Worker	Scenario 3	9.53E-02	2.10E-04	1.34E-03
8089	637836.2	4169348.9	Worker	Scenario 3	1.17E-01	2.55E-04	1.29E-03
8090	639736.2	4169348.9	Worker	Scenario 3	5.96E-01	1.26E-03	2.74E-03
8091	639836.2	4169348.9	Worker	Scenario 3	5.69E-01	1.21E-03	2.89E-03
8092	639936.2	4169348.9	Worker	Scenario 3	5.51E-01	1.17E-03	2.97E-03
8093	640036.2	4169348.9	Worker	Scenario 3	5.40E-01	1.15E-03	3.05E-03
8094	640136.2	4169348.9	Worker	Scenario 3	5.34E-01	1.14E-03	3.13E-03
8095	640236.2	4169348.9	Worker	Scenario 3	5.35E-01	1.15E-03	3.20E-03
8096	641636.2	4169348.9	Worker	Scenario 3	6.97E-01	1.49E-03	4.62E-03
8097	641736.2	4169348.9	Worker	Scenario 3	6.50E-01	1.39E-03	4.54E-03
8098	641836.2	4169348.9	Worker	Scenario 3	6.16E-01	1.32E-03	4.52E-03
8099	641936.2	4169348.9	Worker	Scenario 3	5.88E-01	1.27E-03	6.02E-03
8100	642036.2	4169348.9	Worker	Scenario 3	5.64E-01	1.22E-03	7.98E-03
8101	642136.2	4169348.9	Worker	Scenario 3	5.40E-01	1.16E-03	6.60E-03
8102	642236.2	4169348.9	Worker	Scenario 3	5.18E-01	1.12E-03	3.90E-03
8103	642336.2	4169348.9	Worker	Scenario 3	4.97E-01	1.07E-03	4.08E-03
8104	642436.2	4169348.9	Worker	Scenario 3	4.78E-01	1.03E-03	3.96E-03
8105	642536.2	4169348.9	Worker	Scenario 3	4.61E-01	9.98E-04	3.90E-03
8106	642636.2	4169348.9	Worker	Scenario 3	4.46E-01	9.67E-04	3.84E-03
8107	642736.2	4169348.9	Worker	Scenario 3	4.31E-01	9.36E-04	3.62E-03
8108	642836.2	4169348.9	Worker	Scenario 3	4.16E-01	9.04E-04	3.50E-03
8109	642936.2	4169348.9	Worker	Scenario 3	4.02E-01	8.73E-04	3.40E-03
8110	643036.2	4169348.9	Worker	Scenario 3	3.88E-01	8.44E-04	3.30E-03
8111	643136.2	4169348.9	Worker	Scenario 3	3.76E-01	8.16E-04	3.22E-03
8112	643236.2	4169348.9	Worker	Scenario 3	3.64E-01	7.89E-04	3.00E-03
8113	643336.2	4169348.9	Worker	Scenario 3	3.53E-01	7.65E-04	2.98E-03
8114	643436.2	4169348.9	Worker	Scenario 3	3.42E-01	7.42E-04	2.88E-03
8115	643536.2	4169348.9	Worker	Scenario 3	3.31E-01	7.19E-04	2.79E-03
8116	643636.2	4169348.9	Worker	Scenario 3	3.20E-01	6.96E-04	2.76E-03
8117	643736.2	4169348.9	Worker	Scenario 3	3.10E-01	6.74E-04	2.60E-03
8118	643836.2	4169348.9	Worker	Scenario 3	3.00E-01	6.53E-04	2.51E-03
8119	643936.2	4169348.9	Worker	Scenario 3	2.92E-01	6.33E-04	2.37E-03
8120	644036.2	4169348.9	Worker	Scenario 3	2.84E-01	6.17E-04	2.37E-03
8121	644136.2	4169348.9	Worker	Scenario 3	2.78E-01	6.01E-04	2.29E-03
8122	644236.2	4169348.9	Worker	Scenario 3	2.71E-01	5.86E-04	2.22E-03
8123	644336.2	4169348.9	Worker	Scenario 3	2.64E-01	5.71E-04	2.15E-03
8124	644636.2	4169348.9	Worker	Scenario 3	2.43E-01	5.26E-04	1.93E-03
8125	644736.2	4169348.9	Worker	Scenario 3	2.37E-01	5.12E-04	1.96E-03
8126	644836.2	4169348.9	Worker	Scenario 3	2.31E-01	5.00E-04	2.12E-03
8127	644936.2	4169348.9	Worker	Scenario 3	2.25E-01	4.88E-04	2.43E-03
8128	645036.2	4169348.9	Worker	Scenario 3	2.20E-01	4.77E-04	2.67E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8129	645136.2	4169348.9	Worker	Scenario 3	2.15E-01	4.66E-04	2.81E-03
8130	645236.2	4169348.9	Worker	Scenario 3	2.10E-01	4.55E-04	2.83E-03
8131	645336.2	4169348.9	Worker	Scenario 3	2.05E-01	4.45E-04	2.76E-03
8132	645436.2	4169348.9	Worker	Scenario 3	2.00E-01	4.35E-04	2.59E-03
8133	645536.2	4169348.9	Worker	Scenario 3	1.96E-01	4.25E-04	2.36E-03
8134	645636.2	4169348.9	Worker	Scenario 3	1.91E-01	4.16E-04	2.10E-03
8135	645736.2	4169348.9	Worker	Scenario 3	1.87E-01	4.08E-04	1.82E-03
8136	645836.2	4169348.9	Worker	Scenario 3	1.84E-01	4.00E-04	1.54E-03
8137	645936.2	4169348.9	Worker	Scenario 3	1.80E-01	3.92E-04	1.36E-03
8138	635636.2	4169448.9	Worker	Scenario 3	3.47E-02	7.80E-05	1.13E-03
8139	635736.2	4169448.9	Worker	Scenario 3	3.46E-02	7.76E-05	1.32E-03
8140	635836.2	4169448.9	Worker	Scenario 3	3.18E-02	7.19E-05	1.63E-03
8141	635936.2	4169448.9	Worker	Scenario 3	3.23E-02	7.30E-05	1.73E-03
8142	636036.2	4169448.9	Worker	Scenario 3	3.25E-02	7.36E-05	1.76E-03
8143	636136.2	4169448.9	Worker	Scenario 3	3.29E-02	7.45E-05	1.91E-03
8144	636236.2	4169448.9	Worker	Scenario 3	3.39E-02	7.67E-05	2.01E-03
8145	636336.2	4169448.9	Worker	Scenario 3	3.55E-02	8.02E-05	2.18E-03
8146	636436.2	4169448.9	Worker	Scenario 3	3.78E-02	8.52E-05	2.38E-03
8147	636536.2	4169448.9	Worker	Scenario 3	4.07E-02	9.14E-05	2.43E-03
8148	636636.2	4169448.9	Worker	Scenario 3	4.41E-02	9.88E-05	2.30E-03
8149	636736.2	4169448.9	Worker	Scenario 3	4.83E-02	1.08E-04	2.02E-03
8150	636836.2	4169448.9	Worker	Scenario 3	5.08E-02	1.13E-04	1.80E-03
8151	636936.2	4169448.9	Worker	Scenario 3	5.56E-02	1.24E-04	1.65E-03
8152	637036.2	4169448.9	Worker	Scenario 3	5.83E-02	1.30E-04	1.87E-03
8153	637136.2	4169448.9	Worker	Scenario 3	6.20E-02	1.38E-04	1.95E-03
8154	637236.2	4169448.9	Worker	Scenario 3	6.74E-02	1.49E-04	1.82E-03
8155	637336.2	4169448.9	Worker	Scenario 3	7.34E-02	1.62E-04	1.76E-03
8156	637436.2	4169448.9	Worker	Scenario 3	8.15E-02	1.80E-04	1.46E-03
8157	637736.2	4169448.9	Worker	Scenario 3	1.12E-01	2.44E-04	1.30E-03
8158	637836.2	4169448.9	Worker	Scenario 3	1.27E-01	2.76E-04	1.46E-03
8159	639736.2	4169448.9	Worker	Scenario 3	5.36E-01	1.13E-03	2.67E-03
8160	639836.2	4169448.9	Worker	Scenario 3	5.18E-01	1.10E-03	2.74E-03
8161	639936.2	4169448.9	Worker	Scenario 3	5.05E-01	1.08E-03	2.85E-03
8162	640036.2	4169448.9	Worker	Scenario 3	4.98E-01	1.06E-03	2.85E-03
8163	640136.2	4169448.9	Worker	Scenario 3	4.95E-01	1.06E-03	2.97E-03
8164	640236.2	4169448.9	Worker	Scenario 3	4.95E-01	1.06E-03	3.34E-03
8165	641636.2	4169448.9	Worker	Scenario 3	6.42E-01	1.37E-03	4.29E-03
8166	641736.2	4169448.9	Worker	Scenario 3	5.96E-01	1.28E-03	4.29E-03
8167	641836.2	4169448.9	Worker	Scenario 3	5.64E-01	1.21E-03	4.24E-03
8168	641936.2	4169448.9	Worker	Scenario 3	5.38E-01	1.16E-03	5.03E-03
8169	642036.2	4169448.9	Worker	Scenario 3	5.17E-01	1.12E-03	7.42E-03
8170	642136.2	4169448.9	Worker	Scenario 3	4.96E-01	1.07E-03	7.03E-03
8171	642236.2	4169448.9	Worker	Scenario 3	4.77E-01	1.03E-03	4.39E-03
8172	642336.2	4169448.9	Worker	Scenario 3	4.59E-01	9.90E-04	3.77E-03
8173	642436.2	4169448.9	Worker	Scenario 3	4.43E-01	9.55E-04	3.73E-03
8174	642536.2	4169448.9	Worker	Scenario 3	4.28E-01	9.25E-04	3.63E-03
8175	642636.2	4169448.9	Worker	Scenario 3	4.14E-01	8.97E-04	3.84E-03
8176	642736.2	4169448.9	Worker	Scenario 3	4.00E-01	8.70E-04	3.46E-03
8177	642836.2	4169448.9	Worker	Scenario 3	3.87E-01	8.42E-04	3.24E-03
8178	642936.2	4169448.9	Worker	Scenario 3	3.74E-01	8.15E-04	3.24E-03
8179	643036.2	4169448.9	Worker	Scenario 3	3.63E-01	7.89E-04	3.12E-03
8180	643136.2	4169448.9	Worker	Scenario 3	3.51E-01	7.64E-04	3.07E-03
8181	643236.2	4169448.9	Worker	Scenario 3	3.41E-01	7.40E-04	2.94E-03
8182	643336.2	4169448.9	Worker	Scenario 3	3.30E-01	7.17E-04	2.83E-03
8183	643436.2	4169448.9	Worker	Scenario 3	3.20E-01	6.96E-04	2.79E-03
8184	643536.2	4169448.9	Worker	Scenario 3	3.11E-01	6.75E-04	2.69E-03
8185	643636.2	4169448.9	Worker	Scenario 3	3.01E-01	6.54E-04	2.60E-03
8186	643736.2	4169448.9	Worker	Scenario 3	2.91E-01	6.34E-04	2.59E-03
8187	643836.2	4169448.9	Worker	Scenario 3	2.82E-01	6.15E-04	2.45E-03
8188	643936.2	4169448.9	Worker	Scenario 3	2.75E-01	5.98E-04	2.33E-03
8189	644036.2	4169448.9	Worker	Scenario 3	2.68E-01	5.83E-04	2.27E-03
8190	644136.2	4169448.9	Worker	Scenario 3	2.62E-01	5.69E-04	2.21E-03
8191	644236.2	4169448.9	Worker	Scenario 3	2.56E-01	5.55E-04	2.15E-03
8192	644336.2	4169448.9	Worker	Scenario 3	2.50E-01	5.41E-04	2.08E-03
8193	644636.2	4169448.9	Worker	Scenario 3	2.31E-01	5.01E-04	1.91E-03
8194	644736.2	4169448.9	Worker	Scenario 3	2.25E-01	4.88E-04	1.86E-03
8195	644836.2	4169448.9	Worker	Scenario 3	2.20E-01	4.76E-04	1.83E-03
8196	644936.2	4169448.9	Worker	Scenario 3	2.15E-01	4.65E-04	1.86E-03
8197	645036.2	4169448.9	Worker	Scenario 3	2.10E-01	4.54E-04	2.11E-03
8198	645136.2	4169448.9	Worker	Scenario 3	2.05E-01	4.44E-04	2.39E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8199	645236.2	4169448.9	Worker	Scenario 3	2.00E-01	4.34E-04	2.59E-03
8200	645336.2	4169448.9	Worker	Scenario 3	1.96E-01	4.24E-04	2.70E-03
8201	645436.2	4169448.9	Worker	Scenario 3	1.91E-01	4.15E-04	2.71E-03
8202	645536.2	4169448.9	Worker	Scenario 3	1.87E-01	4.06E-04	2.63E-03
8203	645636.2	4169448.9	Worker	Scenario 3	1.83E-01	3.97E-04	2.47E-03
8204	645736.2	4169448.9	Worker	Scenario 3	1.79E-01	3.89E-04	2.26E-03
8205	635636.2	4169548.9	Worker	Scenario 3	3.55E-02	7.98E-05	1.08E-03
8206	635736.2	4169548.9	Worker	Scenario 3	3.67E-02	8.25E-05	1.09E-03
8207	635836.2	4169548.9	Worker	Scenario 3	3.74E-02	8.40E-05	1.21E-03
8208	635936.2	4169548.9	Worker	Scenario 3	3.68E-02	8.26E-05	1.59E-03
8209	636036.2	4169548.9	Worker	Scenario 3	3.40E-02	7.67E-05	1.93E-03
8210	636136.2	4169548.9	Worker	Scenario 3	3.54E-02	7.98E-05	2.15E-03
8211	636236.2	4169548.9	Worker	Scenario 3	3.67E-02	8.27E-05	2.28E-03
8212	636336.2	4169548.9	Worker	Scenario 3	3.77E-02	8.49E-05	2.29E-03
8213	636436.2	4169548.9	Worker	Scenario 3	3.96E-02	8.88E-05	2.17E-03
8214	636536.2	4169548.9	Worker	Scenario 3	4.23E-02	9.47E-05	1.95E-03
8215	636636.2	4169548.9	Worker	Scenario 3	4.57E-02	1.02E-04	1.73E-03
8216	636736.2	4169548.9	Worker	Scenario 3	4.87E-02	1.09E-04	1.72E-03
8217	636836.2	4169548.9	Worker	Scenario 3	5.15E-02	1.15E-04	1.92E-03
8218	636936.2	4169548.9	Worker	Scenario 3	5.48E-02	1.22E-04	1.98E-03
8219	637036.2	4169548.9	Worker	Scenario 3	5.91E-02	1.31E-04	1.89E-03
8220	637136.2	4169548.9	Worker	Scenario 3	6.41E-02	1.42E-04	1.85E-03
8221	637236.2	4169548.9	Worker	Scenario 3	6.94E-02	1.54E-04	1.73E-03
8222	637336.2	4169548.9	Worker	Scenario 3	7.61E-02	1.68E-04	1.48E-03
8223	637536.2	4169548.9	Worker	Scenario 3	9.53E-02	2.09E-04	1.18E-03
8224	637636.2	4169548.9	Worker	Scenario 3	1.06E-01	2.32E-04	1.33E-03
8225	637736.2	4169548.9	Worker	Scenario 3	1.20E-01	2.59E-04	1.44E-03
8226	639636.2	4169548.9	Worker	Scenario 3	5.06E-01	1.07E-03	2.50E-03
8227	639736.2	4169548.9	Worker	Scenario 3	4.87E-01	1.03E-03	2.56E-03
8228	639836.2	4169548.9	Worker	Scenario 3	4.74E-01	1.01E-03	2.63E-03
8229	639936.2	4169548.9	Worker	Scenario 3	4.65E-01	9.92E-04	2.71E-03
8230	640036.2	4169548.9	Worker	Scenario 3	4.60E-01	9.84E-04	2.79E-03
8231	640136.2	4169548.9	Worker	Scenario 3	4.58E-01	9.83E-04	2.79E-03
8232	640236.2	4169548.9	Worker	Scenario 3	4.59E-01	9.86E-04	3.42E-03
8233	641536.2	4169548.9	Worker	Scenario 3	6.63E-01	1.41E-03	4.07E-03
8234	641636.2	4169548.9	Worker	Scenario 3	5.93E-01	1.27E-03	4.04E-03
8235	641736.2	4169548.9	Worker	Scenario 3	5.50E-01	1.18E-03	4.02E-03
8236	641836.2	4169548.9	Worker	Scenario 3	5.19E-01	1.12E-03	3.92E-03
8237	641936.2	4169548.9	Worker	Scenario 3	4.95E-01	1.07E-03	4.32E-03
8238	642036.2	4169548.9	Worker	Scenario 3	4.76E-01	1.03E-03	6.71E-03
8239	642136.2	4169548.9	Worker	Scenario 3	4.58E-01	9.90E-04	7.17E-03
8240	642236.2	4169548.9	Worker	Scenario 3	4.41E-01	9.53E-04	5.13E-03
8241	642336.2	4169548.9	Worker	Scenario 3	4.26E-01	9.19E-04	3.33E-03
8242	642436.2	4169548.9	Worker	Scenario 3	4.12E-01	8.88E-04	3.51E-03
8243	642536.2	4169548.9	Worker	Scenario 3	3.98E-01	8.60E-04	3.47E-03
8244	642636.2	4169548.9	Worker	Scenario 3	3.85E-01	8.35E-04	3.56E-03
8245	642736.2	4169548.9	Worker	Scenario 3	3.73E-01	8.11E-04	3.60E-03
8246	642836.2	4169548.9	Worker	Scenario 3	3.61E-01	7.86E-04	3.18E-03
8247	642936.2	4169548.9	Worker	Scenario 3	3.50E-01	7.62E-04	3.07E-03
8248	643036.2	4169548.9	Worker	Scenario 3	3.40E-01	7.40E-04	3.01E-03
8249	643136.2	4169548.9	Worker	Scenario 3	3.30E-01	7.18E-04	2.93E-03
8250	643236.2	4169548.9	Worker	Scenario 3	3.20E-01	6.97E-04	2.90E-03
8251	643336.2	4169548.9	Worker	Scenario 3	3.10E-01	6.74E-04	2.68E-03
8252	643436.2	4169548.9	Worker	Scenario 3	3.01E-01	6.53E-04	2.66E-03
8253	643536.2	4169548.9	Worker	Scenario 3	2.92E-01	6.35E-04	2.60E-03
8254	643636.2	4169548.9	Worker	Scenario 3	2.83E-01	6.16E-04	2.51E-03
8255	643736.2	4169548.9	Worker	Scenario 3	2.75E-01	5.99E-04	2.44E-03
8256	643836.2	4169548.9	Worker	Scenario 3	2.67E-01	5.81E-04	2.43E-03
8257	643936.2	4169548.9	Worker	Scenario 3	2.59E-01	5.65E-04	2.31E-03
8258	644036.2	4169548.9	Worker	Scenario 3	2.53E-01	5.51E-04	2.16E-03
8259	644136.2	4169548.9	Worker	Scenario 3	2.47E-01	5.39E-04	2.16E-03
8260	644236.2	4169548.9	Worker	Scenario 3	2.42E-01	5.26E-04	2.05E-03
8261	644336.2	4169548.9	Worker	Scenario 3	2.37E-01	5.14E-04	2.03E-03
8262	644436.2	4169548.9	Worker	Scenario 3	2.32E-01	5.02E-04	1.98E-03
8263	644636.2	4169548.9	Worker	Scenario 3	2.20E-01	4.78E-04	1.88E-03
8264	644736.2	4169548.9	Worker	Scenario 3	2.15E-01	4.65E-04	1.82E-03
8265	644836.2	4169548.9	Worker	Scenario 3	2.10E-01	4.54E-04	1.76E-03
8266	644936.2	4169548.9	Worker	Scenario 3	2.05E-01	4.43E-04	1.70E-03
8267	645036.2	4169548.9	Worker	Scenario 3	2.00E-01	4.33E-04	1.73E-03
8268	645136.2	4169548.9	Worker	Scenario 3	1.95E-01	4.24E-04	1.82E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8269	645236.2	4169548.9	Worker	Scenario 3	1.91E-01	4.15E-04	2.10E-03
8270	645336.2	4169548.9	Worker	Scenario 3	1.87E-01	4.06E-04	2.34E-03
8271	645436.2	4169548.9	Worker	Scenario 3	1.83E-01	3.97E-04	2.51E-03
8272	645536.2	4169548.9	Worker	Scenario 3	1.79E-01	3.88E-04	2.60E-03
8273	635636.2	4169648.9	Worker	Scenario 3	3.58E-02	8.04E-05	1.09E-03
8274	635736.2	4169648.9	Worker	Scenario 3	3.69E-02	8.28E-05	1.15E-03
8275	635836.2	4169648.9	Worker	Scenario 3	3.83E-02	8.61E-05	1.13E-03
8276	635936.2	4169648.9	Worker	Scenario 3	3.89E-02	8.72E-05	1.41E-03
8277	636036.2	4169648.9	Worker	Scenario 3	3.97E-02	8.88E-05	1.61E-03
8278	636136.2	4169648.9	Worker	Scenario 3	3.97E-02	8.88E-05	1.86E-03
8279	636236.2	4169648.9	Worker	Scenario 3	3.94E-02	8.83E-05	1.93E-03
8280	636336.2	4169648.9	Worker	Scenario 3	4.03E-02	9.03E-05	1.77E-03
8281	636436.2	4169648.9	Worker	Scenario 3	4.13E-02	9.25E-05	1.71E-03
8282	636536.2	4169648.9	Worker	Scenario 3	4.35E-02	9.72E-05	1.73E-03
8283	636636.2	4169648.9	Worker	Scenario 3	4.62E-02	1.03E-04	1.90E-03
8284	636736.2	4169648.9	Worker	Scenario 3	4.95E-02	1.10E-04	1.95E-03
8285	636836.2	4169648.9	Worker	Scenario 3	5.30E-02	1.18E-04	1.87E-03
8286	636936.2	4169648.9	Worker	Scenario 3	5.71E-02	1.27E-04	1.88E-03
8287	637036.2	4169648.9	Worker	Scenario 3	6.16E-02	1.37E-04	1.75E-03
8288	637136.2	4169648.9	Worker	Scenario 3	6.66E-02	1.48E-04	1.54E-03
8289	637436.2	4169648.9	Worker	Scenario 3	9.37E-02	2.05E-04	1.21E-03
8290	637536.2	4169648.9	Worker	Scenario 3	1.02E-01	2.23E-04	1.33E-03
8291	637636.2	4169648.9	Worker	Scenario 3	1.13E-01	2.45E-04	1.39E-03
8292	637736.2	4169648.9	Worker	Scenario 3	1.26E-01	2.73E-04	1.38E-03
8293	639536.2	4169648.9	Worker	Scenario 3	4.73E-01	1.00E-03	2.35E-03
8294	639636.2	4169648.9	Worker	Scenario 3	4.56E-01	9.67E-04	2.41E-03
8295	639736.2	4169648.9	Worker	Scenario 3	4.43E-01	9.42E-04	2.48E-03
8296	639836.2	4169648.9	Worker	Scenario 3	4.34E-01	9.25E-04	2.53E-03
8297	639936.2	4169648.9	Worker	Scenario 3	4.28E-01	9.16E-04	2.57E-03
8298	640036.2	4169648.9	Worker	Scenario 3	4.24E-01	9.10E-04	2.63E-03
8299	640136.2	4169648.9	Worker	Scenario 3	4.24E-01	9.11E-04	3.04E-03
8300	640236.2	4169648.9	Worker	Scenario 3	4.26E-01	9.16E-04	3.24E-03
8301	640336.2	4169648.9	Worker	Scenario 3	4.29E-01	9.24E-04	3.32E-03
8302	640836.2	4169648.9	Worker	Scenario 3	4.67E-01	1.01E-03	3.64E-03
8303	640936.2	4169648.9	Worker	Scenario 3	4.79E-01	1.04E-03	3.73E-03
8304	641036.2	4169648.9	Worker	Scenario 3	4.98E-01	1.07E-03	3.69E-03
8305	641136.2	4169648.9	Worker	Scenario 3	5.34E-01	1.15E-03	3.66E-03
8306	641236.2	4169648.9	Worker	Scenario 3	6.32E-01	1.34E-03	3.73E-03
8307	641336.2	4169648.9	Worker	Scenario 3	1.65E+00	3.40E-03	3.66E-03
8308	641436.2	4169648.9	Worker	Scenario 3	7.72E-01	1.62E-03	3.74E-03
8309	641536.2	4169648.9	Worker	Scenario 3	6.18E-01	1.31E-03	3.81E-03
8310	641636.2	4169648.9	Worker	Scenario 3	5.50E-01	1.18E-03	3.81E-03
8311	641736.2	4169648.9	Worker	Scenario 3	5.09E-01	1.09E-03	3.74E-03
8312	641836.2	4169648.9	Worker	Scenario 3	4.80E-01	1.03E-03	3.57E-03
8313	641936.2	4169648.9	Worker	Scenario 3	4.58E-01	9.88E-04	3.85E-03
8314	642036.2	4169648.9	Worker	Scenario 3	4.40E-01	9.50E-04	5.92E-03
8315	642136.2	4169648.9	Worker	Scenario 3	4.24E-01	9.18E-04	7.06E-03
8316	642236.2	4169648.9	Worker	Scenario 3	4.10E-01	8.86E-04	5.72E-03
8317	642336.2	4169648.9	Worker	Scenario 3	3.96E-01	8.55E-04	3.43E-03
8318	642436.2	4169648.9	Worker	Scenario 3	3.83E-01	8.27E-04	3.36E-03
8319	642536.2	4169648.9	Worker	Scenario 3	3.71E-01	8.02E-04	3.29E-03
8320	642636.2	4169648.9	Worker	Scenario 3	3.60E-01	7.79E-04	3.21E-03
8321	642736.2	4169648.9	Worker	Scenario 3	3.49E-01	7.57E-04	3.55E-03
8322	642836.2	4169648.9	Worker	Scenario 3	3.38E-01	7.36E-04	3.25E-03
8323	642936.2	4169648.9	Worker	Scenario 3	3.28E-01	7.14E-04	2.95E-03
8324	643036.2	4169648.9	Worker	Scenario 3	3.18E-01	6.94E-04	2.89E-03
8325	643136.2	4169648.9	Worker	Scenario 3	3.10E-01	6.76E-04	2.81E-03
8326	643236.2	4169648.9	Worker	Scenario 3	3.01E-01	6.56E-04	2.72E-03
8327	643336.2	4169648.9	Worker	Scenario 3	2.92E-01	6.36E-04	2.72E-03
8328	643436.2	4169648.9	Worker	Scenario 3	2.84E-01	6.17E-04	2.45E-03
8329	643536.2	4169648.9	Worker	Scenario 3	2.76E-01	6.00E-04	2.51E-03
8330	643636.2	4169648.9	Worker	Scenario 3	2.68E-01	5.82E-04	2.45E-03
8331	643736.2	4169648.9	Worker	Scenario 3	2.60E-01	5.66E-04	2.36E-03
8332	643836.2	4169648.9	Worker	Scenario 3	2.52E-01	5.50E-04	2.29E-03
8333	643936.2	4169648.9	Worker	Scenario 3	2.45E-01	5.35E-04	2.28E-03
8334	644036.2	4169648.9	Worker	Scenario 3	2.39E-01	5.22E-04	2.18E-03
8335	644136.2	4169648.9	Worker	Scenario 3	2.34E-01	5.10E-04	2.01E-03
8336	644236.2	4169648.9	Worker	Scenario 3	2.29E-01	4.99E-04	2.05E-03
8337	644336.2	4169648.9	Worker	Scenario 3	2.25E-01	4.89E-04	1.90E-03
8338	644436.2	4169648.9	Worker	Scenario 3	2.20E-01	4.78E-04	1.94E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8339	644636.2	4169648.9	Worker	Scenario 3	2.10E-01	4.56E-04	1.84E-03
8340	644736.2	4169648.9	Worker	Scenario 3	2.05E-01	4.45E-04	1.77E-03
8341	644836.2	4169648.9	Worker	Scenario 3	2.00E-01	4.34E-04	1.71E-03
8342	644936.2	4169648.9	Worker	Scenario 3	1.95E-01	4.24E-04	1.68E-03
8343	645036.2	4169648.9	Worker	Scenario 3	1.91E-01	4.14E-04	1.64E-03
8344	645136.2	4169648.9	Worker	Scenario 3	1.87E-01	4.05E-04	1.62E-03
8345	645236.2	4169648.9	Worker	Scenario 3	1.83E-01	3.97E-04	1.63E-03
8346	635636.2	4169748.9	Worker	Scenario 3	3.72E-02	8.40E-05	7.84E-04
8347	635736.2	4169748.9	Worker	Scenario 3	3.86E-02	8.72E-05	7.77E-04
8348	635836.2	4169748.9	Worker	Scenario 3	3.97E-02	8.96E-05	7.57E-04
8349	635936.2	4169748.9	Worker	Scenario 3	4.01E-02	8.99E-05	1.15E-03
8350	636036.2	4169748.9	Worker	Scenario 3	4.14E-02	9.29E-05	1.15E-03
8351	636136.2	4169748.9	Worker	Scenario 3	4.24E-02	9.49E-05	1.23E-03
8352	636236.2	4169748.9	Worker	Scenario 3	4.32E-02	9.64E-05	1.25E-03
8353	636336.2	4169748.9	Worker	Scenario 3	4.19E-02	9.36E-05	1.60E-03
8354	636436.2	4169748.9	Worker	Scenario 3	4.42E-02	9.88E-05	1.76E-03
8355	636536.2	4169748.9	Worker	Scenario 3	4.62E-02	1.03E-04	1.83E-03
8356	636636.2	4169748.9	Worker	Scenario 3	4.83E-02	1.08E-04	1.82E-03
8357	636736.2	4169748.9	Worker	Scenario 3	5.13E-02	1.15E-04	1.87E-03
8358	636836.2	4169748.9	Worker	Scenario 3	5.51E-02	1.23E-04	1.76E-03
8359	636936.2	4169748.9	Worker	Scenario 3	5.94E-02	1.32E-04	1.60E-03
8360	637036.2	4169748.9	Worker	Scenario 3	6.40E-02	1.42E-04	1.47E-03
8361	637236.2	4169748.9	Worker	Scenario 3	7.57E-02	1.67E-04	1.32E-03
8362	637336.2	4169748.9	Worker	Scenario 3	9.39E-02	2.05E-04	1.21E-03
8363	637436.2	4169748.9	Worker	Scenario 3	9.90E-02	2.16E-04	1.29E-03
8364	637536.2	4169748.9	Worker	Scenario 3	1.08E-01	2.34E-04	1.30E-03
8365	637636.2	4169748.9	Worker	Scenario 3	1.19E-01	2.58E-04	1.26E-03
8366	637836.2	4169748.9	Worker	Scenario 3	1.61E-01	3.43E-04	1.43E-03
8367	639336.2	4169748.9	Worker	Scenario 3	4.62E-01	9.72E-04	1.94E-03
8368	639436.2	4169748.9	Worker	Scenario 3	4.40E-01	9.29E-04	2.20E-03
8369	639536.2	4169748.9	Worker	Scenario 3	4.23E-01	8.97E-04	2.27E-03
8370	639636.2	4169748.9	Worker	Scenario 3	4.12E-01	8.76E-04	2.32E-03
8371	639736.2	4169748.9	Worker	Scenario 3	4.04E-01	8.61E-04	2.37E-03
8372	639836.2	4169748.9	Worker	Scenario 3	3.98E-01	8.50E-04	2.35E-03
8373	639936.2	4169748.9	Worker	Scenario 3	3.94E-01	8.44E-04	2.46E-03
8374	640036.2	4169748.9	Worker	Scenario 3	3.93E-01	8.43E-04	2.56E-03
8375	640136.2	4169748.9	Worker	Scenario 3	3.93E-01	8.46E-04	3.04E-03
8376	640236.2	4169748.9	Worker	Scenario 3	3.95E-01	8.51E-04	2.97E-03
8377	640336.2	4169748.9	Worker	Scenario 3	3.98E-01	8.59E-04	3.16E-03
8378	640436.2	4169748.9	Worker	Scenario 3	4.03E-01	8.68E-04	3.22E-03
8379	640536.2	4169748.9	Worker	Scenario 3	4.08E-01	8.80E-04	3.17E-03
8380	640636.2	4169748.9	Worker	Scenario 3	4.15E-01	8.96E-04	3.34E-03
8381	640736.2	4169748.9	Worker	Scenario 3	4.23E-01	9.14E-04	3.39E-03
8382	640836.2	4169748.9	Worker	Scenario 3	4.32E-01	9.34E-04	3.53E-03
8383	640936.2	4169748.9	Worker	Scenario 3	4.44E-01	9.60E-04	3.45E-03
8384	641036.2	4169748.9	Worker	Scenario 3	4.62E-01	9.97E-04	3.41E-03
8385	641136.2	4169748.9	Worker	Scenario 3	4.96E-01	1.06E-03	3.33E-03
8386	641236.2	4169748.9	Worker	Scenario 3	5.99E-01	1.27E-03	3.50E-03
8387	641336.2	4169748.9	Worker	Scenario 3	1.56E+00	3.21E-03	3.42E-03
8388	641436.2	4169748.9	Worker	Scenario 3	7.27E-01	1.53E-03	3.53E-03
8389	641536.2	4169748.9	Worker	Scenario 3	5.77E-01	1.23E-03	3.59E-03
8390	641636.2	4169748.9	Worker	Scenario 3	5.11E-01	1.09E-03	3.59E-03
8391	641736.2	4169748.9	Worker	Scenario 3	4.72E-01	1.01E-03	3.55E-03
8392	641836.2	4169748.9	Worker	Scenario 3	4.45E-01	9.59E-04	3.24E-03
8393	641936.2	4169748.9	Worker	Scenario 3	4.24E-01	9.16E-04	3.49E-03
8394	642036.2	4169748.9	Worker	Scenario 3	4.07E-01	8.81E-04	5.13E-03
8395	642136.2	4169748.9	Worker	Scenario 3	3.94E-01	8.52E-04	6.74E-03
8396	642236.2	4169748.9	Worker	Scenario 3	3.81E-01	8.25E-04	6.12E-03
8397	642336.2	4169748.9	Worker	Scenario 3	3.70E-01	8.00E-04	3.95E-03
8398	642436.2	4169748.9	Worker	Scenario 3	3.58E-01	7.73E-04	3.00E-03
8399	642536.2	4169748.9	Worker	Scenario 3	3.47E-01	7.50E-04	3.04E-03
8400	642636.2	4169748.9	Worker	Scenario 3	3.37E-01	7.29E-04	3.07E-03
8401	642736.2	4169748.9	Worker	Scenario 3	3.26E-01	7.08E-04	3.27E-03
8402	642836.2	4169748.9	Worker	Scenario 3	3.16E-01	6.88E-04	3.38E-03
8403	642936.2	4169748.9	Worker	Scenario 3	3.07E-01	6.70E-04	2.88E-03
8404	643036.2	4169748.9	Worker	Scenario 3	2.99E-01	6.53E-04	2.68E-03
8405	643136.2	4169748.9	Worker	Scenario 3	2.92E-01	6.37E-04	2.69E-03
8406	643236.2	4169748.9	Worker	Scenario 3	2.84E-01	6.20E-04	2.63E-03
8407	643336.2	4169748.9	Worker	Scenario 3	2.76E-01	6.02E-04	2.56E-03
8408	643436.2	4169748.9	Worker	Scenario 3	2.68E-01	5.85E-04	2.55E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8409	643536.2	4169748.9	Worker	Scenario 3	2.61E-01	5.68E-04	2.23E-03
8410	643636.2	4169748.9	Worker	Scenario 3	2.54E-01	5.52E-04	2.37E-03
8411	643736.2	4169748.9	Worker	Scenario 3	2.46E-01	5.36E-04	2.30E-03
8412	643836.2	4169748.9	Worker	Scenario 3	2.39E-01	5.21E-04	2.22E-03
8413	643936.2	4169748.9	Worker	Scenario 3	2.32E-01	5.07E-04	2.16E-03
8414	644036.2	4169748.9	Worker	Scenario 3	2.27E-01	4.95E-04	2.15E-03
8415	644136.2	4169748.9	Worker	Scenario 3	2.22E-01	4.84E-04	2.06E-03
8416	644236.2	4169748.9	Worker	Scenario 3	2.17E-01	4.74E-04	1.91E-03
8417	644336.2	4169748.9	Worker	Scenario 3	2.13E-01	4.65E-04	1.95E-03
8418	644436.2	4169748.9	Worker	Scenario 3	2.09E-01	4.55E-04	1.81E-03
8419	644636.2	4169748.9	Worker	Scenario 3	2.00E-01	4.35E-04	1.78E-03
8420	644736.2	4169748.9	Worker	Scenario 3	1.96E-01	4.25E-04	1.73E-03
8421	644836.2	4169748.9	Worker	Scenario 3	1.91E-01	4.15E-04	1.69E-03
8422	644936.2	4169748.9	Worker	Scenario 3	1.87E-01	4.05E-04	1.65E-03
8423	635636.2	4169848.9	Worker	Scenario 3	3.76E-02	8.48E-05	7.08E-04
8424	635736.2	4169848.9	Worker	Scenario 3	3.89E-02	8.76E-05	7.03E-04
8425	635836.2	4169848.9	Worker	Scenario 3	4.06E-02	9.14E-05	6.95E-04
8426	635936.2	4169848.9	Worker	Scenario 3	4.25E-02	9.57E-05	7.14E-04
8427	636036.2	4169848.9	Worker	Scenario 3	4.30E-02	9.68E-05	7.85E-04
8428	636136.2	4169848.9	Worker	Scenario 3	4.42E-02	9.91E-05	1.00E-03
8429	636236.2	4169848.9	Worker	Scenario 3	4.58E-02	1.03E-04	1.09E-03
8430	636336.2	4169848.9	Worker	Scenario 3	4.66E-02	1.04E-04	1.33E-03
8431	636436.2	4169848.9	Worker	Scenario 3	4.55E-02	1.02E-04	1.69E-03
8432	636536.2	4169848.9	Worker	Scenario 3	4.84E-02	1.08E-04	1.71E-03
8433	636636.2	4169848.9	Worker	Scenario 3	5.04E-02	1.13E-04	1.72E-03
8434	636736.2	4169848.9	Worker	Scenario 3	5.35E-02	1.19E-04	1.66E-03
8435	636836.2	4169848.9	Worker	Scenario 3	5.73E-02	1.28E-04	1.55E-03
8436	636936.2	4169848.9	Worker	Scenario 3	6.15E-02	1.37E-04	1.47E-03
8437	637136.2	4169848.9	Worker	Scenario 3	7.18E-02	1.59E-04	1.42E-03
8438	637236.2	4169848.9	Worker	Scenario 3	7.83E-02	1.73E-04	1.20E-03
8439	637336.2	4169848.9	Worker	Scenario 3	9.66E-02	2.10E-04	1.22E-03
8440	637436.2	4169848.9	Worker	Scenario 3	1.04E-01	2.27E-04	1.20E-03
8441	637536.2	4169848.9	Worker	Scenario 3	1.12E-01	2.42E-04	1.16E-03
8442	637836.2	4169848.9	Worker	Scenario 3	1.69E-01	3.60E-04	1.38E-03
8443	639236.2	4169848.9	Worker	Scenario 3	4.21E-01	8.87E-04	1.82E-03
8444	639336.2	4169848.9	Worker	Scenario 3	4.04E-01	8.53E-04	2.06E-03
8445	639436.2	4169848.9	Worker	Scenario 3	3.90E-01	8.27E-04	2.13E-03
8446	639536.2	4169848.9	Worker	Scenario 3	3.80E-01	8.09E-04	2.26E-03
8447	639636.2	4169848.9	Worker	Scenario 3	3.73E-01	7.96E-04	2.24E-03
8448	639736.2	4169848.9	Worker	Scenario 3	3.71E-01	7.92E-04	2.29E-03
8449	639836.2	4169848.9	Worker	Scenario 3	3.65E-01	7.82E-04	2.34E-03
8450	639936.2	4169848.9	Worker	Scenario 3	3.63E-01	7.80E-04	2.33E-03
8451	640036.2	4169848.9	Worker	Scenario 3	3.63E-01	7.81E-04	2.78E-03
8452	640136.2	4169848.9	Worker	Scenario 3	3.64E-01	7.85E-04	2.90E-03
8453	640236.2	4169848.9	Worker	Scenario 3	3.67E-01	7.91E-04	2.96E-03
8454	640336.2	4169848.9	Worker	Scenario 3	3.70E-01	7.98E-04	2.94E-03
8455	640436.2	4169848.9	Worker	Scenario 3	3.74E-01	8.07E-04	3.04E-03
8456	640536.2	4169848.9	Worker	Scenario 3	3.79E-01	8.18E-04	2.84E-03
8457	640636.2	4169848.9	Worker	Scenario 3	3.85E-01	8.32E-04	3.11E-03
8458	640736.2	4169848.9	Worker	Scenario 3	3.92E-01	8.49E-04	3.20E-03
8459	640836.2	4169848.9	Worker	Scenario 3	4.01E-01	8.68E-04	3.41E-03
8460	640936.2	4169848.9	Worker	Scenario 3	4.12E-01	8.92E-04	3.29E-03
8461	641036.2	4169848.9	Worker	Scenario 3	4.30E-01	9.27E-04	3.22E-03
8462	641136.2	4169848.9	Worker	Scenario 3	4.63E-01	9.94E-04	3.03E-03
8463	641236.2	4169848.9	Worker	Scenario 3	5.68E-01	1.20E-03	3.33E-03
8464	641336.2	4169848.9	Worker	Scenario 3	1.46E+00	3.01E-03	3.20E-03
8465	641436.2	4169848.9	Worker	Scenario 3	6.83E-01	1.44E-03	3.34E-03
8466	641536.2	4169848.9	Worker	Scenario 3	5.37E-01	1.14E-03	3.38E-03
8467	641636.2	4169848.9	Worker	Scenario 3	4.74E-01	1.01E-03	3.39E-03
8468	641736.2	4169848.9	Worker	Scenario 3	4.38E-01	9.41E-04	3.37E-03
8469	641836.2	4169848.9	Worker	Scenario 3	4.12E-01	8.89E-04	3.08E-03
8470	641936.2	4169848.9	Worker	Scenario 3	3.93E-01	8.50E-04	3.30E-03
8471	642036.2	4169848.9	Worker	Scenario 3	3.78E-01	8.18E-04	4.38E-03
8472	642136.2	4169848.9	Worker	Scenario 3	3.65E-01	7.92E-04	6.26E-03
8473	642236.2	4169848.9	Worker	Scenario 3	3.54E-01	7.68E-04	6.31E-03
8474	642336.2	4169848.9	Worker	Scenario 3	3.44E-01	7.46E-04	4.54E-03
8475	642436.2	4169848.9	Worker	Scenario 3	3.35E-01	7.24E-04	2.80E-03
8476	642536.2	4169848.9	Worker	Scenario 3	3.25E-01	7.02E-04	2.99E-03
8477	642636.2	4169848.9	Worker	Scenario 3	3.15E-01	6.81E-04	2.93E-03
8478	642736.2	4169848.9	Worker	Scenario 3	3.06E-01	6.63E-04	2.89E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8479	642836.2	4169848.9	Worker	Scenario 3	2.97E-01	6.46E-04	3.29E-03
8480	642936.2	4169848.9	Worker	Scenario 3	2.89E-01	6.30E-04	3.11E-03
8481	643036.2	4169848.9	Worker	Scenario 3	2.82E-01	6.15E-04	2.67E-03
8482	643136.2	4169848.9	Worker	Scenario 3	2.75E-01	6.01E-04	2.57E-03
8483	643236.2	4169848.9	Worker	Scenario 3	2.68E-01	5.86E-04	2.54E-03
8484	643336.2	4169848.9	Worker	Scenario 3	2.61E-01	5.70E-04	2.45E-03
8485	643436.2	4169848.9	Worker	Scenario 3	2.54E-01	5.55E-04	2.42E-03
8486	643536.2	4169848.9	Worker	Scenario 3	2.47E-01	5.39E-04	2.38E-03
8487	643636.2	4169848.9	Worker	Scenario 3	2.41E-01	5.24E-04	2.10E-03
8488	643736.2	4169848.9	Worker	Scenario 3	2.34E-01	5.09E-04	2.23E-03
8489	643836.2	4169848.9	Worker	Scenario 3	2.27E-01	4.95E-04	2.16E-03
8490	643936.2	4169848.9	Worker	Scenario 3	2.21E-01	4.82E-04	2.09E-03
8491	644036.2	4169848.9	Worker	Scenario 3	2.15E-01	4.70E-04	2.04E-03
8492	644136.2	4169848.9	Worker	Scenario 3	2.10E-01	4.60E-04	2.03E-03
8493	644236.2	4169848.9	Worker	Scenario 3	2.06E-01	4.50E-04	1.95E-03
8494	644336.2	4169848.9	Worker	Scenario 3	2.02E-01	4.42E-04	1.83E-03
8495	644436.2	4169848.9	Worker	Scenario 3	1.99E-01	4.34E-04	1.84E-03
8496	635636.2	4169948.9	Worker	Scenario 3	3.84E-02	8.66E-05	6.51E-04
8497	635736.2	4169948.9	Worker	Scenario 3	4.01E-02	9.01E-05	6.85E-04
8498	635836.2	4169948.9	Worker	Scenario 3	4.06E-02	9.14E-05	7.49E-04
8499	635936.2	4169948.9	Worker	Scenario 3	4.29E-02	9.64E-05	8.05E-04
8500	636036.2	4169948.9	Worker	Scenario 3	4.44E-02	9.97E-05	8.46E-04
8501	636136.2	4169948.9	Worker	Scenario 3	4.55E-02	1.02E-04	8.70E-04
8502	636236.2	4169948.9	Worker	Scenario 3	4.71E-02	1.06E-04	8.78E-04
8503	636336.2	4169948.9	Worker	Scenario 3	4.88E-02	1.09E-04	1.05E-03
8504	636436.2	4169948.9	Worker	Scenario 3	5.01E-02	1.12E-04	1.22E-03
8505	636536.2	4169948.9	Worker	Scenario 3	4.97E-02	1.11E-04	1.56E-03
8506	636636.2	4169948.9	Worker	Scenario 3	5.25E-02	1.17E-04	1.52E-03
8507	636736.2	4169948.9	Worker	Scenario 3	5.53E-02	1.23E-04	1.55E-03
8508	637036.2	4169948.9	Worker	Scenario 3	6.84E-02	1.52E-04	1.53E-03
8509	637136.2	4169948.9	Worker	Scenario 3	7.38E-02	1.63E-04	1.44E-03
8510	637236.2	4169948.9	Worker	Scenario 3	8.03E-02	1.77E-04	1.16E-03
8511	637336.2	4169948.9	Worker	Scenario 3	9.76E-02	2.12E-04	1.09E-03
8512	637436.2	4169948.9	Worker	Scenario 3	1.05E-01	2.29E-04	1.17E-03
8513	637536.2	4169948.9	Worker	Scenario 3	1.10E-01	2.38E-04	1.28E-03
8514	637736.2	4169948.9	Worker	Scenario 3	1.46E-01	3.12E-04	1.28E-03
8515	637836.2	4169948.9	Worker	Scenario 3	1.74E-01	3.70E-04	1.21E-03
8516	639136.2	4169948.9	Worker	Scenario 3	3.80E-01	8.01E-04	1.72E-03
8517	639236.2	4169948.9	Worker	Scenario 3	3.66E-01	7.75E-04	1.93E-03
8518	639336.2	4169948.9	Worker	Scenario 3	3.56E-01	7.56E-04	2.00E-03
8519	639436.2	4169948.9	Worker	Scenario 3	3.49E-01	7.42E-04	2.22E-03
8520	639536.2	4169948.9	Worker	Scenario 3	3.43E-01	7.32E-04	2.08E-03
8521	639736.2	4169948.9	Worker	Scenario 3	3.37E-01	7.22E-04	2.17E-03
8522	639836.2	4169948.9	Worker	Scenario 3	3.36E-01	7.22E-04	2.23E-03
8523	639936.2	4169948.9	Worker	Scenario 3	3.36E-01	7.22E-04	2.41E-03
8524	640036.2	4169948.9	Worker	Scenario 3	3.37E-01	7.26E-04	2.72E-03
8525	640136.2	4169948.9	Worker	Scenario 3	3.38E-01	7.31E-04	2.65E-03
8526	640236.2	4169948.9	Worker	Scenario 3	3.41E-01	7.36E-04	2.82E-03
8527	640336.2	4169948.9	Worker	Scenario 3	3.44E-01	7.43E-04	2.85E-03
8528	640436.2	4169948.9	Worker	Scenario 3	3.48E-01	7.51E-04	2.89E-03
8529	640536.2	4169948.9	Worker	Scenario 3	3.53E-01	7.62E-04	2.91E-03
8530	640636.2	4169948.9	Worker	Scenario 3	3.58E-01	7.75E-04	2.94E-03
8531	640736.2	4169948.9	Worker	Scenario 3	3.65E-01	7.90E-04	3.04E-03
8532	640836.2	4169948.9	Worker	Scenario 3	3.72E-01	8.08E-04	3.22E-03
8533	640936.2	4169948.9	Worker	Scenario 3	3.83E-01	8.29E-04	3.09E-03
8534	641036.2	4169948.9	Worker	Scenario 3	4.00E-01	8.62E-04	3.12E-03
8535	641136.2	4169948.9	Worker	Scenario 3	4.31E-01	9.25E-04	2.91E-03
8536	641236.2	4169948.9	Worker	Scenario 3	5.36E-01	1.14E-03	3.17E-03
8537	641336.2	4169948.9	Worker	Scenario 3	1.37E+00	2.83E-03	3.03E-03
8538	641436.2	4169948.9	Worker	Scenario 3	6.32E-01	1.33E-03	3.17E-03
8539	641536.2	4169948.9	Worker	Scenario 3	4.93E-01	1.05E-03	3.21E-03
8540	641636.2	4169948.9	Worker	Scenario 3	4.36E-01	9.34E-04	3.20E-03
8541	641736.2	4169948.9	Worker	Scenario 3	4.04E-01	8.69E-04	3.19E-03
8542	641836.2	4169948.9	Worker	Scenario 3	3.81E-01	8.22E-04	3.02E-03
8543	641936.2	4169948.9	Worker	Scenario 3	3.64E-01	7.87E-04	3.13E-03
8544	642036.2	4169948.9	Worker	Scenario 3	3.51E-01	7.61E-04	3.72E-03
8545	642136.2	4169948.9	Worker	Scenario 3	3.39E-01	7.35E-04	5.69E-03
8546	642236.2	4169948.9	Worker	Scenario 3	3.29E-01	7.15E-04	6.30E-03
8547	643236.2	4169948.9	Worker	Scenario 3	2.53E-01	5.54E-04	2.45E-03
8548	643336.2	4169948.9	Worker	Scenario 3	2.47E-01	5.41E-04	2.36E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8549	643436.2	4169948.9	Worker	Scenario 3	2.41E-01	5.27E-04	2.33E-03
8550	643536.2	4169948.9	Worker	Scenario 3	2.35E-01	5.13E-04	2.28E-03
8551	643636.2	4169948.9	Worker	Scenario 3	2.29E-01	4.99E-04	2.22E-03
8552	643736.2	4169948.9	Worker	Scenario 3	2.23E-01	4.85E-04	2.02E-03
8553	643836.2	4169948.9	Worker	Scenario 3	2.16E-01	4.71E-04	2.10E-03
8554	643936.2	4169948.9	Worker	Scenario 3	2.10E-01	4.59E-04	2.04E-03
8555	644036.2	4169948.9	Worker	Scenario 3	2.05E-01	4.47E-04	1.98E-03
8556	644236.2	4169948.9	Worker	Scenario 3	1.96E-01	4.29E-04	1.92E-03
8557	635636.2	4170048.9	Worker	Scenario 3	3.89E-02	8.75E-05	7.17E-04
8558	635736.2	4170048.9	Worker	Scenario 3	3.67E-02	8.21E-05	1.32E-03
8559	635836.2	4170048.9	Worker	Scenario 3	3.87E-02	8.65E-05	1.34E-03
8560	635936.2	4170048.9	Worker	Scenario 3	4.24E-02	9.54E-05	8.24E-04
8561	636036.2	4170048.9	Worker	Scenario 3	4.51E-02	1.01E-04	8.31E-04
8562	636136.2	4170048.9	Worker	Scenario 3	4.70E-02	1.05E-04	8.61E-04
8563	636236.2	4170048.9	Worker	Scenario 3	4.85E-02	1.09E-04	8.72E-04
8564	636336.2	4170048.9	Worker	Scenario 3	5.05E-02	1.13E-04	8.63E-04
8565	636436.2	4170048.9	Worker	Scenario 3	5.31E-02	1.19E-04	8.75E-04
8566	636536.2	4170048.9	Worker	Scenario 3	5.48E-02	1.22E-04	9.92E-04
8567	636636.2	4170048.9	Worker	Scenario 3	5.48E-02	1.22E-04	1.33E-03
8568	636936.2	4170048.9	Worker	Scenario 3	7.18E-02	1.58E-04	1.09E-03
8569	637036.2	4170048.9	Worker	Scenario 3	7.66E-02	1.68E-04	1.10E-03
8570	637136.2	4170048.9	Worker	Scenario 3	8.23E-02	1.80E-04	1.07E-03
8571	637236.2	4170048.9	Worker	Scenario 3	8.88E-02	1.94E-04	1.05E-03
8572	637336.2	4170048.9	Worker	Scenario 3	9.59E-02	2.09E-04	1.16E-03
8573	637436.2	4170048.9	Worker	Scenario 3	1.03E-01	2.23E-04	1.23E-03
8574	637636.2	4170048.9	Worker	Scenario 3	1.33E-01	2.84E-04	1.17E-03
8575	637736.2	4170048.9	Worker	Scenario 3	1.51E-01	3.22E-04	1.11E-03
8576	637836.2	4170048.9	Worker	Scenario 3	1.76E-01	3.73E-04	1.23E-03
8577	639036.2	4170048.9	Worker	Scenario 3	3.38E-01	7.14E-04	1.63E-03
8578	639136.2	4170048.9	Worker	Scenario 3	3.30E-01	7.00E-04	1.81E-03
8579	639236.2	4170048.9	Worker	Scenario 3	3.23E-01	6.87E-04	1.89E-03
8580	639336.2	4170048.9	Worker	Scenario 3	3.18E-01	6.78E-04	2.15E-03
8581	639436.2	4170048.9	Worker	Scenario 3	3.14E-01	6.71E-04	2.00E-03
8582	639536.2	4170048.9	Worker	Scenario 3	3.12E-01	6.68E-04	2.01E-03
8583	639636.2	4170048.9	Worker	Scenario 3	3.10E-01	6.66E-04	1.99E-03
8584	639736.2	4170048.9	Worker	Scenario 3	3.10E-01	6.65E-04	2.10E-03
8585	639836.2	4170048.9	Worker	Scenario 3	3.10E-01	6.67E-04	2.08E-03
8586	639936.2	4170048.9	Worker	Scenario 3	3.11E-01	6.71E-04	2.54E-03
8587	640036.2	4170048.9	Worker	Scenario 3	3.13E-01	6.75E-04	2.61E-03
8588	640136.2	4170048.9	Worker	Scenario 3	3.15E-01	6.80E-04	2.66E-03
8589	640236.2	4170048.9	Worker	Scenario 3	3.17E-01	6.86E-04	2.67E-03
8590	640336.2	4170048.9	Worker	Scenario 3	3.20E-01	6.93E-04	2.74E-03
8591	640436.2	4170048.9	Worker	Scenario 3	3.24E-01	7.01E-04	2.61E-03
8592	640536.2	4170048.9	Worker	Scenario 3	3.29E-01	7.11E-04	2.83E-03
8593	640636.2	4170048.9	Worker	Scenario 3	3.34E-01	7.23E-04	2.87E-03
8594	640736.2	4170048.9	Worker	Scenario 3	3.40E-01	7.37E-04	2.93E-03
8595	640836.2	4170048.9	Worker	Scenario 3	3.47E-01	7.53E-04	3.00E-03
8596	640936.2	4170048.9	Worker	Scenario 3	3.56E-01	7.72E-04	2.96E-03
8597	641036.2	4170048.9	Worker	Scenario 3	3.71E-01	8.01E-04	2.99E-03
8598	641136.2	4170048.9	Worker	Scenario 3	3.98E-01	8.55E-04	2.85E-03
8599	641236.2	4170048.9	Worker	Scenario 3	4.91E-01	1.04E-03	3.01E-03
8600	641336.2	4170048.9	Worker	Scenario 3	1.23E+00	2.54E-03	2.90E-03
8601	641436.2	4170048.9	Worker	Scenario 3	5.46E-01	1.15E-03	3.01E-03
8602	641536.2	4170048.9	Worker	Scenario 3	4.35E-01	9.29E-04	3.05E-03
8603	641636.2	4170048.9	Worker	Scenario 3	3.91E-01	8.40E-04	3.02E-03
8604	641736.2	4170048.9	Worker	Scenario 3	3.66E-01	7.89E-04	3.01E-03
8605	641836.2	4170048.9	Worker	Scenario 3	3.48E-01	7.54E-04	2.94E-03
8606	641936.2	4170048.9	Worker	Scenario 3	3.35E-01	7.26E-04	2.97E-03
8607	642036.2	4170048.9	Worker	Scenario 3	3.23E-01	7.02E-04	3.27E-03
8608	642136.2	4170048.9	Worker	Scenario 3	3.14E-01	6.82E-04	5.08E-03
8609	635736.2	4170148.9	Worker	Scenario 3	3.76E-02	8.42E-05	1.35E-03
8610	635836.2	4170148.9	Worker	Scenario 3	3.68E-02	8.23E-05	1.53E-03
8611	635936.2	4170148.9	Worker	Scenario 3	4.01E-02	8.97E-05	1.45E-03
8612	636036.2	4170148.9	Worker	Scenario 3	4.46E-02	1.00E-04	8.31E-04
8613	636136.2	4170148.9	Worker	Scenario 3	4.79E-02	1.07E-04	8.16E-04
8614	636236.2	4170148.9	Worker	Scenario 3	4.95E-02	1.11E-04	8.41E-04
8615	636336.2	4170148.9	Worker	Scenario 3	5.21E-02	1.16E-04	8.82E-04
8616	636436.2	4170148.9	Worker	Scenario 3	5.47E-02	1.22E-04	9.17E-04
8617	636536.2	4170148.9	Worker	Scenario 3	5.74E-02	1.28E-04	9.43E-04
8618	636736.2	4170148.9	Worker	Scenario 3	6.08E-02	1.35E-04	1.23E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8619	636836.2	4170148.9	Worker	Scenario 3	7.06E-02	1.55E-04	1.04E-03
8620	636936.2	4170148.9	Worker	Scenario 3	7.54E-02	1.65E-04	1.03E-03
8621	637036.2	4170148.9	Worker	Scenario 3	8.01E-02	1.75E-04	9.69E-04
8622	637136.2	4170148.9	Worker	Scenario 3	8.59E-02	1.87E-04	1.05E-03
8623	637236.2	4170148.9	Worker	Scenario 3	9.24E-02	2.01E-04	1.14E-03
8624	637336.2	4170148.9	Worker	Scenario 3	9.79E-02	2.13E-04	1.18E-03
8625	637636.2	4170148.9	Worker	Scenario 3	1.33E-01	2.85E-04	1.05E-03
8626	637736.2	4170148.9	Worker	Scenario 3	1.50E-01	3.19E-04	1.21E-03
8627	637836.2	4170148.9	Worker	Scenario 3	1.70E-01	3.62E-04	1.32E-03
8628	639036.2	4170148.9	Worker	Scenario 3	2.95E-01	6.27E-04	1.70E-03
8629	639136.2	4170148.9	Worker	Scenario 3	2.92E-01	6.22E-04	1.80E-03
8630	639236.2	4170148.9	Worker	Scenario 3	2.90E-01	6.18E-04	2.07E-03
8631	639336.2	4170148.9	Worker	Scenario 3	2.88E-01	6.15E-04	2.03E-03
8632	639436.2	4170148.9	Worker	Scenario 3	2.86E-01	6.13E-04	1.92E-03
8633	639536.2	4170148.9	Worker	Scenario 3	2.85E-01	6.13E-04	1.94E-03
8634	639636.2	4170148.9	Worker	Scenario 3	2.85E-01	6.13E-04	2.00E-03
8635	639736.2	4170148.9	Worker	Scenario 3	2.86E-01	6.15E-04	2.01E-03
8636	639836.2	4170148.9	Worker	Scenario 3	2.87E-01	6.19E-04	2.26E-03
8637	639936.2	4170148.9	Worker	Scenario 3	2.89E-01	6.24E-04	2.45E-03
8638	640036.2	4170148.9	Worker	Scenario 3	2.91E-01	6.29E-04	2.38E-03
8639	640136.2	4170148.9	Worker	Scenario 3	2.93E-01	6.35E-04	2.54E-03
8640	640236.2	4170148.9	Worker	Scenario 3	2.96E-01	6.41E-04	2.54E-03
8641	640336.2	4170148.9	Worker	Scenario 3	2.99E-01	6.48E-04	2.63E-03
8642	640436.2	4170148.9	Worker	Scenario 3	3.03E-01	6.55E-04	2.48E-03
8643	640536.2	4170148.9	Worker	Scenario 3	3.07E-01	6.64E-04	2.65E-03
8644	640636.2	4170148.9	Worker	Scenario 3	3.11E-01	6.76E-04	2.71E-03
8645	640736.2	4170148.9	Worker	Scenario 3	3.16E-01	6.88E-04	2.85E-03
8646	640836.2	4170148.9	Worker	Scenario 3	3.22E-01	7.01E-04	2.79E-03
8647	640936.2	4170148.9	Worker	Scenario 3	3.30E-01	7.17E-04	2.81E-03
8648	641036.2	4170148.9	Worker	Scenario 3	3.42E-01	7.40E-04	2.83E-03
8649	641136.2	4170148.9	Worker	Scenario 3	3.62E-01	7.80E-04	2.77E-03
8650	641236.2	4170148.9	Worker	Scenario 3	4.09E-01	8.73E-04	2.85E-03
8651	641336.2	4170148.9	Worker	Scenario 3	4.38E-01	9.31E-04	2.78E-03
8652	641436.2	4170148.9	Worker	Scenario 3	3.91E-01	8.37E-04	2.87E-03
8653	641536.2	4170148.9	Worker	Scenario 3	3.62E-01	7.79E-04	2.91E-03
8654	641636.2	4170148.9	Worker	Scenario 3	3.43E-01	7.40E-04	2.89E-03
8655	641736.2	4170148.9	Worker	Scenario 3	3.29E-01	7.12E-04	2.87E-03
8656	641836.2	4170148.9	Worker	Scenario 3	3.18E-01	6.89E-04	2.85E-03
8657	641936.2	4170148.9	Worker	Scenario 3	3.07E-01	6.68E-04	2.79E-03
8658	642036.2	4170148.9	Worker	Scenario 3	2.98E-01	6.48E-04	2.95E-03
8659	642436.2	4170148.9	Worker	Scenario 3	2.72E-01	5.92E-04	4.06E-03
8660	642536.2	4170148.9	Worker	Scenario 3	2.67E-01	5.78E-04	2.51E-03
8661	642636.2	4170148.9	Worker	Scenario 3	2.60E-01	5.64E-04	2.53E-03
8662	642736.2	4170148.9	Worker	Scenario 3	2.53E-01	5.49E-04	2.44E-03
8663	642836.2	4170148.9	Worker	Scenario 3	2.47E-01	5.36E-04	2.47E-03
8664	642936.2	4170148.9	Worker	Scenario 3	2.41E-01	5.26E-04	2.81E-03
8665	643036.2	4170148.9	Worker	Scenario 3	2.36E-01	5.16E-04	3.00E-03
8666	643136.2	4170148.9	Worker	Scenario 3	2.31E-01	5.05E-04	2.69E-03
8667	643236.2	4170148.9	Worker	Scenario 3	2.26E-01	4.96E-04	2.29E-03
8668	643336.2	4170148.9	Worker	Scenario 3	2.22E-01	4.85E-04	2.20E-03
8669	635836.2	4170248.9	Worker	Scenario 3	3.80E-02	8.53E-05	1.50E-03
8670	635936.2	4170248.9	Worker	Scenario 3	3.83E-02	8.61E-05	1.62E-03
8671	636036.2	4170248.9	Worker	Scenario 3	4.18E-02	9.37E-05	1.45E-03
8672	636136.2	4170248.9	Worker	Scenario 3	4.63E-02	1.03E-04	9.85E-04
8673	636236.2	4170248.9	Worker	Scenario 3	5.31E-02	1.18E-04	8.53E-04
8674	636336.2	4170248.9	Worker	Scenario 3	5.34E-02	1.19E-04	9.06E-04
8675	636636.2	4170248.9	Worker	Scenario 3	5.97E-02	1.33E-04	9.93E-04
8676	636736.2	4170248.9	Worker	Scenario 3	6.60E-02	1.46E-04	9.88E-04
8677	636836.2	4170248.9	Worker	Scenario 3	7.20E-02	1.58E-04	9.46E-04
8678	636936.2	4170248.9	Worker	Scenario 3	7.70E-02	1.69E-04	9.48E-04
8679	637036.2	4170248.9	Worker	Scenario 3	8.17E-02	1.78E-04	1.05E-03
8680	637136.2	4170248.9	Worker	Scenario 3	8.72E-02	1.90E-04	1.10E-03
8681	637236.2	4170248.9	Worker	Scenario 3	9.25E-02	2.01E-04	1.12E-03
8682	637536.2	4170248.9	Worker	Scenario 3	1.20E-01	2.58E-04	1.05E-03
8683	637636.2	4170248.9	Worker	Scenario 3	1.32E-01	2.83E-04	1.19E-03
8684	637736.2	4170248.9	Worker	Scenario 3	1.47E-01	3.13E-04	1.27E-03
8685	637836.2	4170248.9	Worker	Scenario 3	1.64E-01	3.48E-04	1.27E-03
8686	637936.2	4170248.9	Worker	Scenario 3	1.82E-01	3.87E-04	1.29E-03
8687	638036.2	4170248.9	Worker	Scenario 3	2.03E-01	4.30E-04	1.34E-03
8688	638936.2	4170248.9	Worker	Scenario 3	2.65E-01	5.65E-04	1.59E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8689	639036.2	4170248.9	Worker	Scenario 3	2.64E-01	5.63E-04	1.71E-03
8690	639136.2	4170248.9	Worker	Scenario 3	2.63E-01	5.63E-04	1.97E-03
8691	639236.2	4170248.9	Worker	Scenario 3	2.63E-01	5.64E-04	2.03E-03
8692	639336.2	4170248.9	Worker	Scenario 3	2.63E-01	5.64E-04	1.82E-03
8693	639436.2	4170248.9	Worker	Scenario 3	2.57E-01	5.52E-04	1.83E-03
8694	639536.2	4170248.9	Worker	Scenario 3	2.64E-01	5.67E-04	1.87E-03
8695	639636.2	4170248.9	Worker	Scenario 3	2.64E-01	5.70E-04	1.91E-03
8696	639736.2	4170248.9	Worker	Scenario 3	2.66E-01	5.73E-04	1.93E-03
8697	639836.2	4170248.9	Worker	Scenario 3	2.68E-01	5.78E-04	2.33E-03
8698	639936.2	4170248.9	Worker	Scenario 3	2.70E-01	5.84E-04	2.37E-03
8699	640036.2	4170248.9	Worker	Scenario 3	2.72E-01	5.89E-04	2.41E-03
8700	640136.2	4170248.9	Worker	Scenario 3	2.74E-01	5.94E-04	2.44E-03
8701	640236.2	4170248.9	Worker	Scenario 3	2.77E-01	6.00E-04	2.50E-03
8702	640336.2	4170248.9	Worker	Scenario 3	2.80E-01	6.07E-04	2.45E-03
8703	640436.2	4170248.9	Worker	Scenario 3	2.84E-01	6.15E-04	2.52E-03
8704	640536.2	4170248.9	Worker	Scenario 3	2.87E-01	6.23E-04	2.51E-03
8705	640636.2	4170248.9	Worker	Scenario 3	2.91E-01	6.33E-04	2.62E-03
8706	640736.2	4170248.9	Worker	Scenario 3	2.96E-01	6.44E-04	2.77E-03
8707	640836.2	4170248.9	Worker	Scenario 3	3.01E-01	6.55E-04	2.66E-03
8708	640936.2	4170248.9	Worker	Scenario 3	3.08E-01	6.68E-04	2.64E-03
8709	641036.2	4170248.9	Worker	Scenario 3	3.16E-01	6.84E-04	2.67E-03
8710	641136.2	4170248.9	Worker	Scenario 3	3.27E-01	7.05E-04	2.68E-03
8711	641236.2	4170248.9	Worker	Scenario 3	3.37E-01	7.26E-04	2.70E-03
8712	641336.2	4170248.9	Worker	Scenario 3	3.35E-01	7.21E-04	2.66E-03
8713	641436.2	4170248.9	Worker	Scenario 3	3.25E-01	7.01E-04	2.74E-03
8714	641536.2	4170248.9	Worker	Scenario 3	3.15E-01	6.80E-04	2.78E-03
8715	641636.2	4170248.9	Worker	Scenario 3	3.06E-01	6.62E-04	2.77E-03
8716	641736.2	4170248.9	Worker	Scenario 3	2.98E-01	6.46E-04	2.75E-03
8717	641836.2	4170248.9	Worker	Scenario 3	2.91E-01	6.31E-04	2.74E-03
8718	641936.2	4170248.9	Worker	Scenario 3	2.83E-01	6.17E-04	2.60E-03
8719	642036.2	4170248.9	Worker	Scenario 3	2.76E-01	6.02E-04	2.69E-03
8720	642136.2	4170248.9	Worker	Scenario 3	2.70E-01	5.88E-04	3.88E-03
8721	642236.2	4170248.9	Worker	Scenario 3	2.65E-01	5.77E-04	5.40E-03
8722	642336.2	4170248.9	Worker	Scenario 3	2.60E-01	5.67E-04	5.66E-03
8723	642436.2	4170248.9	Worker	Scenario 3	2.55E-01	5.55E-04	4.49E-03
8724	642536.2	4170248.9	Worker	Scenario 3	2.50E-01	5.43E-04	2.90E-03
8725	642636.2	4170248.9	Worker	Scenario 3	2.45E-01	5.30E-04	2.28E-03
8726	642736.2	4170248.9	Worker	Scenario 3	2.39E-01	5.18E-04	2.39E-03
8727	642836.2	4170248.9	Worker	Scenario 3	2.33E-01	5.06E-04	2.37E-03
8728	642936.2	4170248.9	Worker	Scenario 3	2.28E-01	4.97E-04	2.46E-03
8729	643036.2	4170248.9	Worker	Scenario 3	2.23E-01	4.88E-04	2.88E-03
8730	643136.2	4170248.9	Worker	Scenario 3	2.19E-01	4.79E-04	2.84E-03
8731	643236.2	4170248.9	Worker	Scenario 3	2.15E-01	4.70E-04	2.39E-03
8732	643336.2	4170248.9	Worker	Scenario 3	2.10E-01	4.61E-04	2.10E-03
8733	635636.2	4170348.9	Worker	Scenario 3	3.71E-02	8.30E-05	1.34E-03
8734	635936.2	4170348.9	Worker	Scenario 3	4.07E-02	9.13E-05	1.41E-03
8735	636036.2	4170348.9	Worker	Scenario 3	4.07E-02	9.15E-05	1.64E-03
8736	636136.2	4170348.9	Worker	Scenario 3	4.53E-02	1.01E-04	1.30E-03
8737	636236.2	4170348.9	Worker	Scenario 3	5.10E-02	1.14E-04	9.10E-04
8738	636536.2	4170348.9	Worker	Scenario 3	5.91E-02	1.31E-04	9.46E-04
8739	636636.2	4170348.9	Worker	Scenario 3	6.24E-02	1.38E-04	9.23E-04
8740	636736.2	4170348.9	Worker	Scenario 3	6.68E-02	1.47E-04	8.65E-04
8741	636836.2	4170348.9	Worker	Scenario 3	7.16E-02	1.57E-04	9.62E-04
8742	636936.2	4170348.9	Worker	Scenario 3	7.73E-02	1.69E-04	1.03E-03
8743	637036.2	4170348.9	Worker	Scenario 3	8.25E-02	1.80E-04	1.06E-03
8744	637136.2	4170348.9	Worker	Scenario 3	8.75E-02	1.90E-04	1.04E-03
8745	637236.2	4170348.9	Worker	Scenario 3	9.18E-02	2.00E-04	9.88E-04
8746	637436.2	4170348.9	Worker	Scenario 3	1.05E-01	2.27E-04	1.07E-03
8747	637536.2	4170348.9	Worker	Scenario 3	1.18E-01	2.53E-04	1.15E-03
8748	637636.2	4170348.9	Worker	Scenario 3	1.30E-01	2.79E-04	1.21E-03
8749	637736.2	4170348.9	Worker	Scenario 3	1.42E-01	3.04E-04	1.19E-03
8750	637836.2	4170348.9	Worker	Scenario 3	1.56E-01	3.33E-04	1.24E-03
8751	637936.2	4170348.9	Worker	Scenario 3	1.71E-01	3.64E-04	1.27E-03
8752	638036.2	4170348.9	Worker	Scenario 3	1.86E-01	3.95E-04	1.32E-03
8753	638136.2	4170348.9	Worker	Scenario 3	1.96E-01	4.17E-04	1.35E-03
8754	638236.2	4170348.9	Worker	Scenario 3	2.01E-01	4.28E-04	1.29E-03
8755	638336.2	4170348.9	Worker	Scenario 3	2.15E-01	4.57E-04	1.41E-03
8756	638436.2	4170348.9	Worker	Scenario 3	2.29E-01	4.87E-04	1.46E-03
8757	638736.2	4170348.9	Worker	Scenario 3	2.39E-01	5.09E-04	1.41E-03
8758	638836.2	4170348.9	Worker	Scenario 3	2.40E-01	5.12E-04	1.49E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8759	638936.2	4170348.9	Worker	Scenario 3	2.41E-01	5.14E-04	1.63E-03
8760	639036.2	4170348.9	Worker	Scenario 3	2.40E-01	5.15E-04	1.87E-03
8761	639136.2	4170348.9	Worker	Scenario 3	2.41E-01	5.17E-04	2.00E-03
8762	639236.2	4170348.9	Worker	Scenario 3	2.36E-01	5.07E-04	1.72E-03
8763	639336.2	4170348.9	Worker	Scenario 3	2.36E-01	5.08E-04	1.72E-03
8764	639436.2	4170348.9	Worker	Scenario 3	2.37E-01	5.11E-04	1.68E-03
8765	639536.2	4170348.9	Worker	Scenario 3	2.45E-01	5.29E-04	1.83E-03
8766	639636.2	4170348.9	Worker	Scenario 3	2.47E-01	5.33E-04	1.81E-03
8767	639736.2	4170348.9	Worker	Scenario 3	2.48E-01	5.37E-04	2.12E-03
8768	639836.2	4170348.9	Worker	Scenario 3	2.51E-01	5.43E-04	2.23E-03
8769	639936.2	4170348.9	Worker	Scenario 3	2.53E-01	5.48E-04	2.17E-03
8770	640036.2	4170348.9	Worker	Scenario 3	2.55E-01	5.53E-04	2.30E-03
8771	640136.2	4170348.9	Worker	Scenario 3	2.57E-01	5.58E-04	2.27E-03
8772	640236.2	4170348.9	Worker	Scenario 3	2.60E-01	5.64E-04	2.38E-03
8773	640336.2	4170348.9	Worker	Scenario 3	2.63E-01	5.70E-04	2.19E-03
8774	640436.2	4170348.9	Worker	Scenario 3	2.66E-01	5.78E-04	2.46E-03
8775	640536.2	4170348.9	Worker	Scenario 3	2.70E-01	5.86E-04	2.48E-03
8776	640636.2	4170348.9	Worker	Scenario 3	2.73E-01	5.95E-04	2.48E-03
8777	640736.2	4170348.9	Worker	Scenario 3	2.77E-01	6.04E-04	2.64E-03
8778	640836.2	4170348.9	Worker	Scenario 3	2.82E-01	6.13E-04	2.55E-03
8779	640936.2	4170348.9	Worker	Scenario 3	2.86E-01	6.22E-04	2.45E-03
8780	641036.2	4170348.9	Worker	Scenario 3	2.91E-01	6.32E-04	2.50E-03
8781	641136.2	4170348.9	Worker	Scenario 3	2.96E-01	6.41E-04	2.58E-03
8782	641236.2	4170348.9	Worker	Scenario 3	2.98E-01	6.44E-04	2.57E-03
8783	641336.2	4170348.9	Worker	Scenario 3	2.95E-01	6.39E-04	2.56E-03
8784	641436.2	4170348.9	Worker	Scenario 3	2.90E-01	6.29E-04	2.62E-03
8785	641536.2	4170348.9	Worker	Scenario 3	2.85E-01	6.18E-04	2.66E-03
8786	641636.2	4170348.9	Worker	Scenario 3	2.79E-01	6.07E-04	2.65E-03
8787	641736.2	4170348.9	Worker	Scenario 3	2.74E-01	5.96E-04	2.64E-03
8788	641836.2	4170348.9	Worker	Scenario 3	2.69E-01	5.85E-04	2.62E-03
8789	641936.2	4170348.9	Worker	Scenario 3	2.63E-01	5.74E-04	2.41E-03
8790	642036.2	4170348.9	Worker	Scenario 3	2.58E-01	5.62E-04	2.58E-03
8791	642136.2	4170348.9	Worker	Scenario 3	2.52E-01	5.51E-04	3.34E-03
8792	642236.2	4170348.9	Worker	Scenario 3	2.48E-01	5.41E-04	4.94E-03
8793	642336.2	4170348.9	Worker	Scenario 3	2.44E-01	5.33E-04	5.59E-03
8794	642436.2	4170348.9	Worker	Scenario 3	2.40E-01	5.23E-04	4.83E-03
8795	642536.2	4170348.9	Worker	Scenario 3	2.35E-01	5.12E-04	3.26E-03
8796	642636.2	4170348.9	Worker	Scenario 3	2.31E-01	5.01E-04	2.17E-03
8797	642736.2	4170348.9	Worker	Scenario 3	2.26E-01	4.90E-04	2.33E-03
8798	642836.2	4170348.9	Worker	Scenario 3	2.20E-01	4.79E-04	2.24E-03
8799	642936.2	4170348.9	Worker	Scenario 3	2.16E-01	4.70E-04	2.28E-03
8800	643036.2	4170348.9	Worker	Scenario 3	2.12E-01	4.62E-04	2.63E-03
8801	643136.2	4170348.9	Worker	Scenario 3	2.08E-01	4.54E-04	2.84E-03
8802	643236.2	4170348.9	Worker	Scenario 3	2.04E-01	4.46E-04	2.61E-03
8803	643336.2	4170348.9	Worker	Scenario 3	2.00E-01	4.38E-04	2.14E-03
8804	643436.2	4170348.9	Worker	Scenario 3	1.96E-01	4.30E-04	1.97E-03
8805	643536.2	4170348.9	Worker	Scenario 3	1.92E-01	4.22E-04	1.98E-03
8806	643636.2	4170348.9	Worker	Scenario 3	1.89E-01	4.14E-04	1.95E-03
8807	635636.2	4170448.9	Worker	Scenario 3	3.79E-02	8.48E-05	1.23E-03
8808	635836.2	4170448.9	Worker	Scenario 3	4.11E-02	9.20E-05	1.21E-03
8809	636036.2	4170448.9	Worker	Scenario 3	4.47E-02	9.99E-05	1.28E-03
8810	636336.2	4170448.9	Worker	Scenario 3	5.38E-02	1.20E-04	9.03E-04
8811	636436.2	4170448.9	Worker	Scenario 3	5.79E-02	1.28E-04	8.91E-04
8812	636536.2	4170448.9	Worker	Scenario 3	6.07E-02	1.34E-04	8.50E-04
8813	636636.2	4170448.9	Worker	Scenario 3	6.34E-02	1.40E-04	8.76E-04
8814	636736.2	4170448.9	Worker	Scenario 3	6.71E-02	1.48E-04	9.59E-04
8815	636836.2	4170448.9	Worker	Scenario 3	7.19E-02	1.58E-04	1.01E-03
8816	636936.2	4170448.9	Worker	Scenario 3	7.70E-02	1.68E-04	1.01E-03
8817	637036.2	4170448.9	Worker	Scenario 3	8.23E-02	1.79E-04	9.74E-04
8818	637136.2	4170448.9	Worker	Scenario 3	8.81E-02	1.91E-04	9.22E-04
8819	637436.2	4170448.9	Worker	Scenario 3	1.09E-01	2.35E-04	1.13E-03
8820	637536.2	4170448.9	Worker	Scenario 3	1.17E-01	2.53E-04	1.16E-03
8821	637636.2	4170448.9	Worker	Scenario 3	1.27E-01	2.73E-04	1.12E-03
8822	637736.2	4170448.9	Worker	Scenario 3	1.37E-01	2.95E-04	1.20E-03
8823	637836.2	4170448.9	Worker	Scenario 3	1.49E-01	3.18E-04	1.22E-03
8824	637936.2	4170448.9	Worker	Scenario 3	1.60E-01	3.43E-04	1.25E-03
8825	638036.2	4170448.9	Worker	Scenario 3	1.72E-01	3.67E-04	1.31E-03
8826	638136.2	4170448.9	Worker	Scenario 3	1.74E-01	3.71E-04	1.23E-03
8827	638236.2	4170448.9	Worker	Scenario 3	1.76E-01	3.78E-04	1.29E-03
8828	638336.2	4170448.9	Worker	Scenario 3	2.00E-01	4.27E-04	1.40E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8829	638636.2	4170448.9	Worker	Scenario 3	2.15E-01	4.59E-04	1.38E-03
8830	638736.2	4170448.9	Worker	Scenario 3	2.09E-01	4.47E-04	1.36E-03
8831	638836.2	4170448.9	Worker	Scenario 3	2.10E-01	4.51E-04	1.51E-03
8832	638936.2	4170448.9	Worker	Scenario 3	2.04E-01	4.39E-04	1.64E-03
8833	639036.2	4170448.9	Worker	Scenario 3	2.06E-01	4.43E-04	1.83E-03
8834	639136.2	4170448.9	Worker	Scenario 3	2.08E-01	4.48E-04	1.68E-03
8835	639236.2	4170448.9	Worker	Scenario 3	2.11E-01	4.55E-04	1.59E-03
8836	639336.2	4170448.9	Worker	Scenario 3	2.09E-01	4.53E-04	1.57E-03
8837	639436.2	4170448.9	Worker	Scenario 3	2.16E-01	4.67E-04	1.67E-03
8838	639536.2	4170448.9	Worker	Scenario 3	2.30E-01	4.96E-04	1.76E-03
8839	639636.2	4170448.9	Worker	Scenario 3	2.32E-01	5.01E-04	1.85E-03
8840	639736.2	4170448.9	Worker	Scenario 3	2.33E-01	5.06E-04	2.15E-03
8841	639836.2	4170448.9	Worker	Scenario 3	2.36E-01	5.11E-04	2.17E-03
8842	639936.2	4170448.9	Worker	Scenario 3	2.38E-01	5.16E-04	2.21E-03
8843	640036.2	4170448.9	Worker	Scenario 3	2.40E-01	5.21E-04	2.24E-03
8844	640136.2	4170448.9	Worker	Scenario 3	2.42E-01	5.26E-04	2.27E-03
8845	640236.2	4170448.9	Worker	Scenario 3	2.45E-01	5.31E-04	2.28E-03
8846	640336.2	4170448.9	Worker	Scenario 3	2.48E-01	5.37E-04	2.20E-03
8847	640436.2	4170448.9	Worker	Scenario 3	2.51E-01	5.45E-04	2.31E-03
8848	640536.2	4170448.9	Worker	Scenario 3	2.54E-01	5.52E-04	2.37E-03
8849	640636.2	4170448.9	Worker	Scenario 3	2.57E-01	5.60E-04	2.43E-03
8850	640736.2	4170448.9	Worker	Scenario 3	2.60E-01	5.67E-04	2.47E-03
8851	640836.2	4170448.9	Worker	Scenario 3	2.64E-01	5.74E-04	2.41E-03
8852	640936.2	4170448.9	Worker	Scenario 3	2.67E-01	5.80E-04	2.38E-03
8853	641036.2	4170448.9	Worker	Scenario 3	2.70E-01	5.85E-04	2.32E-03
8854	641136.2	4170448.9	Worker	Scenario 3	2.71E-01	5.88E-04	2.47E-03
8855	641236.2	4170448.9	Worker	Scenario 3	2.71E-01	5.88E-04	2.47E-03
8856	641336.2	4170448.9	Worker	Scenario 3	2.69E-01	5.84E-04	2.46E-03
8857	641436.2	4170448.9	Worker	Scenario 3	2.66E-01	5.78E-04	2.51E-03
8858	641536.2	4170448.9	Worker	Scenario 3	2.62E-01	5.70E-04	2.54E-03
8859	641636.2	4170448.9	Worker	Scenario 3	2.59E-01	5.63E-04	2.54E-03
8860	641736.2	4170448.9	Worker	Scenario 3	2.55E-01	5.54E-04	2.52E-03
8861	641836.2	4170448.9	Worker	Scenario 3	2.50E-01	5.46E-04	2.50E-03
8862	641936.2	4170448.9	Worker	Scenario 3	2.46E-01	5.36E-04	2.25E-03
8863	642036.2	4170448.9	Worker	Scenario 3	2.42E-01	5.27E-04	2.46E-03
8864	642136.2	4170448.9	Worker	Scenario 3	2.37E-01	5.18E-04	2.89E-03
8865	642236.2	4170448.9	Worker	Scenario 3	2.33E-01	5.10E-04	4.46E-03
8866	642336.2	4170448.9	Worker	Scenario 3	2.30E-01	5.02E-04	5.40E-03
8867	642436.2	4170448.9	Worker	Scenario 3	2.26E-01	4.93E-04	5.05E-03
8868	642536.2	4170448.9	Worker	Scenario 3	2.22E-01	4.84E-04	3.70E-03
8869	642636.2	4170448.9	Worker	Scenario 3	2.18E-01	4.74E-04	2.41E-03
8870	642736.2	4170448.9	Worker	Scenario 3	2.13E-01	4.64E-04	2.15E-03
8871	642836.2	4170448.9	Worker	Scenario 3	2.09E-01	4.54E-04	2.15E-03
8872	642936.2	4170448.9	Worker	Scenario 3	2.05E-01	4.45E-04	2.17E-03
8873	643036.2	4170448.9	Worker	Scenario 3	2.01E-01	4.38E-04	2.30E-03
8874	643136.2	4170448.9	Worker	Scenario 3	1.97E-01	4.31E-04	2.70E-03
8875	643236.2	4170448.9	Worker	Scenario 3	1.94E-01	4.24E-04	2.72E-03
8876	643336.2	4170448.9	Worker	Scenario 3	1.90E-01	4.17E-04	2.35E-03
8877	643436.2	4170448.9	Worker	Scenario 3	1.87E-01	4.10E-04	2.00E-03
8878	643536.2	4170448.9	Worker	Scenario 3	1.83E-01	4.02E-04	1.92E-03
8879	635836.2	4170548.9	Worker	Scenario 3	4.19E-02	9.38E-05	1.19E-03
8880	635936.2	4170548.9	Worker	Scenario 3	4.38E-02	9.80E-05	1.30E-03
8881	636236.2	4170548.9	Worker	Scenario 3	5.17E-02	1.15E-04	8.92E-04
8882	636336.2	4170548.9	Worker	Scenario 3	5.46E-02	1.21E-04	8.30E-04
8883	636436.2	4170548.9	Worker	Scenario 3	5.69E-02	1.26E-04	8.02E-04
8884	636536.2	4170548.9	Worker	Scenario 3	6.07E-02	1.34E-04	8.81E-04
8885	636636.2	4170548.9	Worker	Scenario 3	6.42E-02	1.42E-04	9.45E-04
8886	636736.2	4170548.9	Worker	Scenario 3	6.70E-02	1.47E-04	9.73E-04
8887	636836.2	4170548.9	Worker	Scenario 3	7.24E-02	1.59E-04	9.59E-04
8888	636936.2	4170548.9	Worker	Scenario 3	7.73E-02	1.69E-04	9.03E-04
8889	637036.2	4170548.9	Worker	Scenario 3	8.27E-02	1.80E-04	8.67E-04
8890	637136.2	4170548.9	Worker	Scenario 3	8.63E-02	1.88E-04	9.25E-04
8891	637336.2	4170548.9	Worker	Scenario 3	9.72E-02	2.11E-04	1.11E-03
8892	637436.2	4170548.9	Worker	Scenario 3	1.08E-01	2.32E-04	1.10E-03
8893	637536.2	4170548.9	Worker	Scenario 3	1.15E-01	2.48E-04	1.09E-03
8894	637636.2	4170548.9	Worker	Scenario 3	1.23E-01	2.66E-04	1.16E-03
8895	637736.2	4170548.9	Worker	Scenario 3	1.33E-01	2.85E-04	1.18E-03
8896	637836.2	4170548.9	Worker	Scenario 3	1.42E-01	3.05E-04	1.21E-03
8897	637936.2	4170548.9	Worker	Scenario 3	1.51E-01	3.25E-04	1.25E-03
8898	638036.2	4170548.9	Worker	Scenario 3	1.61E-01	3.44E-04	1.22E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8899	638136.2	4170548.9	Worker	Scenario 3	1.59E-01	3.42E-04	1.26E-03
8900	638236.2	4170548.9	Worker	Scenario 3	1.64E-01	3.53E-04	1.27E-03
8901	638336.2	4170548.9	Worker	Scenario 3	1.84E-01	3.94E-04	1.36E-03
8902	638536.2	4170548.9	Worker	Scenario 3	1.94E-01	4.17E-04	1.36E-03
8903	638636.2	4170548.9	Worker	Scenario 3	1.91E-01	4.09E-04	1.28E-03
8904	638736.2	4170548.9	Worker	Scenario 3	1.93E-01	4.14E-04	1.44E-03
8905	638836.2	4170548.9	Worker	Scenario 3	1.96E-01	4.22E-04	1.60E-03
8906	638936.2	4170548.9	Worker	Scenario 3	1.90E-01	4.11E-04	1.77E-03
8907	639036.2	4170548.9	Worker	Scenario 3	1.93E-01	4.16E-04	1.71E-03
8908	639136.2	4170548.9	Worker	Scenario 3	1.95E-01	4.22E-04	1.52E-03
8909	639236.2	4170548.9	Worker	Scenario 3	1.93E-01	4.18E-04	1.51E-03
8910	639336.2	4170548.9	Worker	Scenario 3	1.98E-01	4.29E-04	1.53E-03
8911	639436.2	4170548.9	Worker	Scenario 3	2.14E-01	4.64E-04	1.67E-03
8912	639536.2	4170548.9	Worker	Scenario 3	2.16E-01	4.68E-04	1.65E-03
8913	639636.2	4170548.9	Worker	Scenario 3	2.18E-01	4.73E-04	1.99E-03
8914	639736.2	4170548.9	Worker	Scenario 3	2.20E-01	4.77E-04	2.06E-03
8915	639836.2	4170548.9	Worker	Scenario 3	2.22E-01	4.83E-04	2.00E-03
8916	639936.2	4170548.9	Worker	Scenario 3	2.25E-01	4.88E-04	2.11E-03
8917	640036.2	4170548.9	Worker	Scenario 3	2.27E-01	4.93E-04	2.06E-03
8918	640136.2	4170548.9	Worker	Scenario 3	2.29E-01	4.97E-04	2.18E-03
8919	640236.2	4170548.9	Worker	Scenario 3	2.31E-01	5.02E-04	2.10E-03
8920	640336.2	4170548.9	Worker	Scenario 3	2.34E-01	5.08E-04	2.22E-03
8921	640436.2	4170548.9	Worker	Scenario 3	2.36E-01	5.14E-04	2.18E-03
8922	640536.2	4170548.9	Worker	Scenario 3	2.39E-01	5.21E-04	2.28E-03
8923	640636.2	4170548.9	Worker	Scenario 3	2.42E-01	5.28E-04	2.38E-03
8924	640736.2	4170548.9	Worker	Scenario 3	2.45E-01	5.34E-04	2.33E-03
8925	640836.2	4170548.9	Worker	Scenario 3	2.47E-01	5.39E-04	2.34E-03
8926	640936.2	4170548.9	Worker	Scenario 3	2.49E-01	5.42E-04	2.33E-03
8927	641036.2	4170548.9	Worker	Scenario 3	2.51E-01	5.45E-04	2.23E-03
8928	641136.2	4170548.9	Worker	Scenario 3	2.51E-01	5.45E-04	2.37E-03
8929	641236.2	4170548.9	Worker	Scenario 3	2.50E-01	5.43E-04	2.37E-03
8930	641336.2	4170548.9	Worker	Scenario 3	2.49E-01	5.40E-04	2.36E-03
8931	641436.2	4170548.9	Worker	Scenario 3	2.47E-01	5.36E-04	2.40E-03
8932	641536.2	4170548.9	Worker	Scenario 3	2.44E-01	5.31E-04	2.44E-03
8933	641636.2	4170548.9	Worker	Scenario 3	2.41E-01	5.25E-04	2.44E-03
8934	641736.2	4170548.9	Worker	Scenario 3	2.38E-01	5.18E-04	2.41E-03
8935	641836.2	4170548.9	Worker	Scenario 3	2.35E-01	5.12E-04	2.37E-03
8936	641936.2	4170548.9	Worker	Scenario 3	2.31E-01	5.04E-04	2.19E-03
8937	642036.2	4170548.9	Worker	Scenario 3	2.27E-01	4.97E-04	2.37E-03
8938	642136.2	4170548.9	Worker	Scenario 3	2.24E-01	4.89E-04	2.60E-03
8939	642236.2	4170548.9	Worker	Scenario 3	2.20E-01	4.82E-04	3.97E-03
8940	642336.2	4170548.9	Worker	Scenario 3	2.17E-01	4.74E-04	5.12E-03
8941	642436.2	4170548.9	Worker	Scenario 3	2.13E-01	4.67E-04	5.15E-03
8942	642536.2	4170548.9	Worker	Scenario 3	2.10E-01	4.58E-04	4.08E-03
8943	642636.2	4170548.9	Worker	Scenario 3	2.06E-01	4.49E-04	2.73E-03
8944	642736.2	4170548.9	Worker	Scenario 3	2.02E-01	4.40E-04	1.97E-03
8945	642836.2	4170548.9	Worker	Scenario 3	1.98E-01	4.31E-04	2.14E-03
8946	642936.2	4170548.9	Worker	Scenario 3	1.94E-01	4.23E-04	2.07E-03
8947	643036.2	4170548.9	Worker	Scenario 3	1.91E-01	4.16E-04	2.10E-03
8948	643136.2	4170548.9	Worker	Scenario 3	1.88E-01	4.10E-04	2.47E-03
8949	643236.2	4170548.9	Worker	Scenario 3	1.85E-01	4.04E-04	2.69E-03
8950	643336.2	4170548.9	Worker	Scenario 3	1.81E-01	3.97E-04	2.53E-03
8951	643436.2	4170548.9	Worker	Scenario 3	1.78E-01	3.91E-04	2.08E-03
8952	643536.2	4170548.9	Worker	Scenario 3	1.75E-01	3.84E-04	1.84E-03
8953	635736.2	4170648.9	Worker	Scenario 3	4.11E-02	9.19E-05	1.23E-03
8954	635836.2	4170648.9	Worker	Scenario 3	4.28E-02	9.57E-05	1.31E-03
8955	636236.2	4170648.9	Worker	Scenario 3	5.19E-02	1.16E-04	8.16E-04
8956	636336.2	4170648.9	Worker	Scenario 3	5.46E-02	1.21E-04	8.06E-04
8957	636436.2	4170648.9	Worker	Scenario 3	5.74E-02	1.27E-04	8.78E-04
8958	636536.2	4170648.9	Worker	Scenario 3	6.44E-02	1.41E-04	9.14E-04
8959	636636.2	4170648.9	Worker	Scenario 3	6.72E-02	1.47E-04	9.24E-04
8960	636736.2	4170648.9	Worker	Scenario 3	6.74E-02	1.48E-04	9.00E-04
8961	636836.2	4170648.9	Worker	Scenario 3	7.28E-02	1.59E-04	8.49E-04
8962	636936.2	4170648.9	Worker	Scenario 3	7.58E-02	1.66E-04	8.25E-04
8963	637036.2	4170648.9	Worker	Scenario 3	8.17E-02	1.78E-04	9.23E-04
8964	637336.2	4170648.9	Worker	Scenario 3	9.94E-02	2.15E-04	1.05E-03
8965	637436.2	4170648.9	Worker	Scenario 3	1.06E-01	2.29E-04	1.06E-03
8966	637536.2	4170648.9	Worker	Scenario 3	1.13E-01	2.44E-04	1.11E-03
8967	637636.2	4170648.9	Worker	Scenario 3	1.20E-01	2.58E-04	1.14E-03
8968	637736.2	4170648.9	Worker	Scenario 3	1.28E-01	2.75E-04	1.17E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8969	637836.2	4170648.9	Worker	Scenario 3	1.36E-01	2.92E-04	1.20E-03
8970	637936.2	4170648.9	Worker	Scenario 3	1.43E-01	3.09E-04	1.18E-03
8971	638036.2	4170648.9	Worker	Scenario 3	1.51E-01	3.25E-04	1.26E-03
8972	638136.2	4170648.9	Worker	Scenario 3	1.52E-01	3.27E-04	1.24E-03
8973	638236.2	4170648.9	Worker	Scenario 3	1.57E-01	3.39E-04	1.26E-03
8974	638336.2	4170648.9	Worker	Scenario 3	1.71E-01	3.67E-04	1.34E-03
8975	638536.2	4170648.9	Worker	Scenario 3	1.81E-01	3.88E-04	1.24E-03
8976	638636.2	4170648.9	Worker	Scenario 3	1.80E-01	3.88E-04	1.38E-03
8977	638736.2	4170648.9	Worker	Scenario 3	1.82E-01	3.93E-04	1.51E-03
8978	638836.2	4170648.9	Worker	Scenario 3	1.85E-01	3.99E-04	1.79E-03
8979	638936.2	4170648.9	Worker	Scenario 3	1.79E-01	3.87E-04	1.71E-03
8980	639036.2	4170648.9	Worker	Scenario 3	1.82E-01	3.94E-04	1.47E-03
8981	639136.2	4170648.9	Worker	Scenario 3	1.85E-01	4.00E-04	1.48E-03
8982	639236.2	4170648.9	Worker	Scenario 3	1.80E-01	3.90E-04	1.37E-03
8983	639336.2	4170648.9	Worker	Scenario 3	1.94E-01	4.21E-04	1.57E-03
8984	639436.2	4170648.9	Worker	Scenario 3	2.02E-01	4.38E-04	1.61E-03
8985	639536.2	4170648.9	Worker	Scenario 3	2.04E-01	4.43E-04	1.77E-03
8986	639636.2	4170648.9	Worker	Scenario 3	2.06E-01	4.48E-04	1.98E-03
8987	639736.2	4170648.9	Worker	Scenario 3	2.08E-01	4.52E-04	1.99E-03
8988	639836.2	4170648.9	Worker	Scenario 3	2.10E-01	4.57E-04	2.03E-03
8989	639936.2	4170648.9	Worker	Scenario 3	2.13E-01	4.62E-04	2.07E-03
8990	640036.2	4170648.9	Worker	Scenario 3	2.15E-01	4.67E-04	2.08E-03
8991	640136.2	4170648.9	Worker	Scenario 3	2.17E-01	4.71E-04	2.11E-03
8992	640236.2	4170648.9	Worker	Scenario 3	2.19E-01	4.76E-04	1.90E-03
8993	640336.2	4170648.9	Worker	Scenario 3	2.21E-01	4.81E-04	2.16E-03
8994	640436.2	4170648.9	Worker	Scenario 3	2.24E-01	4.87E-04	2.17E-03
8995	640536.2	4170648.9	Worker	Scenario 3	2.26E-01	4.93E-04	2.20E-03
8996	640636.2	4170648.9	Worker	Scenario 3	2.28E-01	4.99E-04	2.32E-03
8997	640736.2	4170648.9	Worker	Scenario 3	2.30E-01	5.03E-04	2.21E-03
8998	640836.2	4170648.9	Worker	Scenario 3	2.32E-01	5.07E-04	2.25E-03
8999	640936.2	4170648.9	Worker	Scenario 3	2.34E-01	5.09E-04	2.26E-03
9000	641036.2	4170648.9	Worker	Scenario 3	2.34E-01	5.10E-04	2.19E-03
9001	641136.2	4170648.9	Worker	Scenario 3	2.34E-01	5.09E-04	2.26E-03
9002	641236.2	4170648.9	Worker	Scenario 3	2.33E-01	5.07E-04	2.28E-03
9003	641336.2	4170648.9	Worker	Scenario 3	2.32E-01	5.04E-04	2.26E-03
9004	641436.2	4170648.9	Worker	Scenario 3	2.30E-01	5.01E-04	2.30E-03
9005	641536.2	4170648.9	Worker	Scenario 3	2.28E-01	4.96E-04	2.34E-03
9006	641636.2	4170648.9	Worker	Scenario 3	2.25E-01	4.91E-04	2.33E-03
9007	641736.2	4170648.9	Worker	Scenario 3	2.23E-01	4.86E-04	2.30E-03
9008	641836.2	4170648.9	Worker	Scenario 3	2.20E-01	4.81E-04	2.30E-03
9009	641936.2	4170648.9	Worker	Scenario 3	2.18E-01	4.75E-04	2.16E-03
9010	642036.2	4170648.9	Worker	Scenario 3	2.15E-01	4.69E-04	2.26E-03
9011	642136.2	4170648.9	Worker	Scenario 3	2.12E-01	4.63E-04	2.38E-03
9012	642236.2	4170648.9	Worker	Scenario 3	2.08E-01	4.56E-04	3.50E-03
9013	642336.2	4170648.9	Worker	Scenario 3	2.05E-01	4.50E-04	4.77E-03
9014	642436.2	4170648.9	Worker	Scenario 3	2.02E-01	4.43E-04	5.14E-03
9015	642536.2	4170648.9	Worker	Scenario 3	1.99E-01	4.35E-04	4.38E-03
9016	642636.2	4170648.9	Worker	Scenario 3	1.95E-01	4.26E-04	3.01E-03
9017	642736.2	4170648.9	Worker	Scenario 3	1.92E-01	4.18E-04	2.00E-03
9018	642836.2	4170648.9	Worker	Scenario 3	1.89E-01	4.10E-04	2.02E-03
9019	642936.2	4170648.9	Worker	Scenario 3	1.85E-01	4.03E-04	1.94E-03
9020	643036.2	4170648.9	Worker	Scenario 3	1.82E-01	3.96E-04	1.99E-03
9021	643136.2	4170648.9	Worker	Scenario 3	1.79E-01	3.91E-04	2.17E-03
9022	643236.2	4170648.9	Worker	Scenario 3	1.76E-01	3.85E-04	2.55E-03
9023	643336.2	4170648.9	Worker	Scenario 3	1.73E-01	3.79E-04	2.59E-03
9024	643436.2	4170648.9	Worker	Scenario 3	1.70E-01	3.73E-04	2.31E-03
9025	635736.2	4170748.9	Worker	Scenario 3	4.19E-02	9.36E-05	1.29E-03
9026	636336.2	4170748.9	Worker	Scenario 3	5.49E-02	1.22E-04	8.65E-04
9027	636436.2	4170748.9	Worker	Scenario 3	5.78E-02	1.28E-04	8.91E-04
9028	636536.2	4170748.9	Worker	Scenario 3	6.42E-02	1.41E-04	8.77E-04
9029	636636.2	4170748.9	Worker	Scenario 3	6.75E-02	1.48E-04	8.32E-04
9030	636736.2	4170748.9	Worker	Scenario 3	7.10E-02	1.55E-04	7.96E-04
9031	636836.2	4170748.9	Worker	Scenario 3	7.47E-02	1.63E-04	8.00E-04
9032	636936.2	4170748.9	Worker	Scenario 3	7.82E-02	1.70E-04	9.13E-04
9033	637236.2	4170748.9	Worker	Scenario 3	9.09E-02	1.98E-04	9.97E-04
9034	637336.2	4170748.9	Worker	Scenario 3	9.81E-02	2.13E-04	1.03E-03
9035	637436.2	4170748.9	Worker	Scenario 3	1.04E-01	2.25E-04	1.06E-03
9036	637536.2	4170748.9	Worker	Scenario 3	1.10E-01	2.38E-04	1.09E-03
9037	637636.2	4170748.9	Worker	Scenario 3	1.17E-01	2.52E-04	1.12E-03
9038	637736.2	4170748.9	Worker	Scenario 3	1.23E-01	2.66E-04	1.15E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9039	637836.2	4170748.9	Worker	Scenario 3	1.30E-01	2.80E-04	1.14E-03
9040	637936.2	4170748.9	Worker	Scenario 3	1.36E-01	2.95E-04	1.21E-03
9041	638036.2	4170748.9	Worker	Scenario 3	1.43E-01	3.08E-04	1.23E-03
9042	638136.2	4170748.9	Worker	Scenario 3	1.49E-01	3.21E-04	1.24E-03
9043	638236.2	4170748.9	Worker	Scenario 3	1.55E-01	3.34E-04	1.31E-03
9044	638336.2	4170748.9	Worker	Scenario 3	1.60E-01	3.45E-04	1.32E-03
9045	638636.2	4170748.9	Worker	Scenario 3	1.70E-01	3.67E-04	1.43E-03
9046	638736.2	4170748.9	Worker	Scenario 3	1.74E-01	3.75E-04	1.74E-03
9047	638836.2	4170748.9	Worker	Scenario 3	1.79E-01	3.86E-04	1.84E-03
9048	638936.2	4170748.9	Worker	Scenario 3	1.69E-01	3.66E-04	1.49E-03
9049	639036.2	4170748.9	Worker	Scenario 3	1.72E-01	3.73E-04	1.40E-03
9050	639136.2	4170748.9	Worker	Scenario 3	1.76E-01	3.81E-04	1.42E-03
9051	639236.2	4170748.9	Worker	Scenario 3	1.71E-01	3.72E-04	1.41E-03
9052	639336.2	4170748.9	Worker	Scenario 3	1.84E-01	3.98E-04	1.51E-03
9053	639436.2	4170748.9	Worker	Scenario 3	1.91E-01	4.15E-04	1.52E-03
9054	639536.2	4170748.9	Worker	Scenario 3	1.94E-01	4.20E-04	1.86E-03
9055	639636.2	4170748.9	Worker	Scenario 3	1.96E-01	4.26E-04	1.91E-03
9056	639736.2	4170748.9	Worker	Scenario 3	1.98E-01	4.30E-04	1.84E-03
9057	639836.2	4170748.9	Worker	Scenario 3	2.00E-01	4.34E-04	1.95E-03
9058	639936.2	4170748.9	Worker	Scenario 3	2.02E-01	4.38E-04	1.92E-03
9059	640036.2	4170748.9	Worker	Scenario 3	2.04E-01	4.43E-04	2.02E-03
9060	640136.2	4170748.9	Worker	Scenario 3	2.06E-01	4.47E-04	1.99E-03
9061	640236.2	4170748.9	Worker	Scenario 3	2.08E-01	4.52E-04	1.98E-03
9062	640336.2	4170748.9	Worker	Scenario 3	2.10E-01	4.57E-04	2.04E-03
9063	640436.2	4170748.9	Worker	Scenario 3	2.12E-01	4.63E-04	2.11E-03
9064	640536.2	4170748.9	Worker	Scenario 3	2.14E-01	4.68E-04	2.12E-03
9065	640636.2	4170748.9	Worker	Scenario 3	2.16E-01	4.72E-04	2.22E-03
9066	640736.2	4170748.9	Worker	Scenario 3	2.18E-01	4.76E-04	2.15E-03
9067	640836.2	4170748.9	Worker	Scenario 3	2.19E-01	4.78E-04	2.14E-03
9068	640936.2	4170748.9	Worker	Scenario 3	2.20E-01	4.79E-04	2.17E-03
9069	641036.2	4170748.9	Worker	Scenario 3	2.20E-01	4.79E-04	2.15E-03
9070	641136.2	4170748.9	Worker	Scenario 3	2.19E-01	4.78E-04	2.16E-03
9071	641236.2	4170748.9	Worker	Scenario 3	2.18E-01	4.75E-04	2.19E-03
9072	641336.2	4170748.9	Worker	Scenario 3	2.17E-01	4.73E-04	2.18E-03
9073	641436.2	4170748.9	Worker	Scenario 3	2.16E-01	4.70E-04	2.21E-03
9074	641536.2	4170748.9	Worker	Scenario 3	2.14E-01	4.67E-04	2.25E-03
9075	641636.2	4170748.9	Worker	Scenario 3	2.12E-01	4.62E-04	2.23E-03
9076	641736.2	4170748.9	Worker	Scenario 3	2.10E-01	4.58E-04	2.20E-03
9077	641836.2	4170748.9	Worker	Scenario 3	2.08E-01	4.54E-04	2.22E-03
9078	641936.2	4170748.9	Worker	Scenario 3	2.06E-01	4.50E-04	2.13E-03
9079	642036.2	4170748.9	Worker	Scenario 3	2.03E-01	4.45E-04	2.14E-03
9080	642136.2	4170748.9	Worker	Scenario 3	2.01E-01	4.39E-04	2.19E-03
9081	642236.2	4170748.9	Worker	Scenario 3	1.98E-01	4.33E-04	3.06E-03
9082	642336.2	4170748.9	Worker	Scenario 3	1.95E-01	4.27E-04	4.39E-03
9083	642436.2	4170748.9	Worker	Scenario 3	1.92E-01	4.21E-04	5.03E-03
9084	642536.2	4170748.9	Worker	Scenario 3	1.89E-01	4.13E-04	4.60E-03
9085	642636.2	4170748.9	Worker	Scenario 3	1.86E-01	4.06E-04	3.39E-03
9086	642736.2	4170748.9	Worker	Scenario 3	1.82E-01	3.98E-04	2.31E-03
9087	642836.2	4170748.9	Worker	Scenario 3	1.79E-01	3.91E-04	1.84E-03
9088	642936.2	4170748.9	Worker	Scenario 3	1.76E-01	3.83E-04	1.95E-03
9089	643036.2	4170748.9	Worker	Scenario 3	1.74E-01	3.78E-04	1.92E-03
9090	643136.2	4170748.9	Worker	Scenario 3	1.71E-01	3.72E-04	1.95E-03
9091	643236.2	4170748.9	Worker	Scenario 3	1.68E-01	3.67E-04	2.32E-03
9092	643336.2	4170748.9	Worker	Scenario 3	1.65E-01	3.62E-04	2.55E-03
9093	636436.2	4170848.9	Worker	Scenario 3	5.82E-02	1.29E-04	8.30E-04
9094	636536.2	4170848.9	Worker	Scenario 3	6.12E-02	1.35E-04	7.83E-04
9095	636936.2	4170848.9	Worker	Scenario 3	7.52E-02	1.65E-04	9.68E-04
9096	637336.2	4170848.9	Worker	Scenario 3	9.59E-02	2.08E-04	1.02E-03
9097	637436.2	4170848.9	Worker	Scenario 3	1.02E-01	2.21E-04	1.05E-03
9098	637536.2	4170848.9	Worker	Scenario 3	1.07E-01	2.33E-04	1.09E-03
9099	637636.2	4170848.9	Worker	Scenario 3	1.13E-01	2.44E-04	1.08E-03
9100	637736.2	4170848.9	Worker	Scenario 3	1.18E-01	2.57E-04	1.09E-03
9101	637836.2	4170848.9	Worker	Scenario 3	1.25E-01	2.70E-04	1.15E-03
9102	637936.2	4170848.9	Worker	Scenario 3	1.30E-01	2.82E-04	1.17E-03
9103	638036.2	4170848.9	Worker	Scenario 3	1.36E-01	2.94E-04	1.20E-03
9104	638136.2	4170848.9	Worker	Scenario 3	1.42E-01	3.06E-04	1.28E-03
9105	638236.2	4170848.9	Worker	Scenario 3	1.47E-01	3.17E-04	1.30E-03
9106	638336.2	4170848.9	Worker	Scenario 3	1.51E-01	3.27E-04	1.19E-03
9107	638536.2	4170848.9	Worker	Scenario 3	1.60E-01	3.45E-04	1.37E-03
9108	638636.2	4170848.9	Worker	Scenario 3	1.63E-01	3.52E-04	1.69E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9109	638736.2	4170848.9	Worker	Scenario 3	1.66E-01	3.60E-04	1.82E-03
9110	638836.2	4170848.9	Worker	Scenario 3	1.67E-01	3.61E-04	1.62E-03
9111	638936.2	4170848.9	Worker	Scenario 3	1.60E-01	3.48E-04	1.35E-03
9112	639036.2	4170848.9	Worker	Scenario 3	1.64E-01	3.55E-04	1.37E-03
9113	639136.2	4170848.9	Worker	Scenario 3	1.66E-01	3.61E-04	1.37E-03
9114	639236.2	4170848.9	Worker	Scenario 3	1.63E-01	3.55E-04	1.36E-03
9115	639336.2	4170848.9	Worker	Scenario 3	1.74E-01	3.79E-04	1.42E-03
9116	639436.2	4170848.9	Worker	Scenario 3	1.80E-01	3.92E-04	1.67E-03
9117	639536.2	4170848.9	Worker	Scenario 3	1.82E-01	3.97E-04	1.81E-03
9118	639636.2	4170848.9	Worker	Scenario 3	1.86E-01	4.05E-04	1.83E-03
9119	639736.2	4170848.9	Worker	Scenario 3	1.88E-01	4.09E-04	1.88E-03
9120	639836.2	4170848.9	Worker	Scenario 3	1.90E-01	4.13E-04	1.91E-03
9121	639936.2	4170848.9	Worker	Scenario 3	1.92E-01	4.17E-04	1.89E-03
9122	640036.2	4170848.9	Worker	Scenario 3	1.94E-01	4.21E-04	1.95E-03
9123	640136.2	4170848.9	Worker	Scenario 3	1.95E-01	4.25E-04	1.81E-03
9124	640236.2	4170848.9	Worker	Scenario 3	1.98E-01	4.30E-04	1.98E-03
9125	640336.2	4170848.9	Worker	Scenario 3	2.00E-01	4.35E-04	1.92E-03
9126	640436.2	4170848.9	Worker	Scenario 3	2.01E-01	4.40E-04	2.01E-03
9127	640536.2	4170848.9	Worker	Scenario 3	2.03E-01	4.44E-04	2.06E-03
9128	640636.2	4170848.9	Worker	Scenario 3	2.05E-01	4.48E-04	2.10E-03
9129	640736.2	4170848.9	Worker	Scenario 3	2.06E-01	4.51E-04	2.07E-03
9130	640836.2	4170848.9	Worker	Scenario 3	2.07E-01	4.52E-04	2.01E-03
9131	640936.2	4170848.9	Worker	Scenario 3	2.07E-01	4.53E-04	2.07E-03
9132	641036.2	4170848.9	Worker	Scenario 3	2.07E-01	4.52E-04	2.10E-03
9133	641136.2	4170848.9	Worker	Scenario 3	2.07E-01	4.50E-04	2.08E-03
9134	641236.2	4170848.9	Worker	Scenario 3	2.05E-01	4.48E-04	2.10E-03
9135	641336.2	4170848.9	Worker	Scenario 3	2.04E-01	4.45E-04	2.10E-03
9136	641436.2	4170848.9	Worker	Scenario 3	2.03E-01	4.43E-04	2.13E-03
9137	641536.2	4170848.9	Worker	Scenario 3	2.01E-01	4.40E-04	2.16E-03
9138	641636.2	4170848.9	Worker	Scenario 3	2.00E-01	4.36E-04	2.14E-03
9139	641736.2	4170848.9	Worker	Scenario 3	1.98E-01	4.33E-04	2.13E-03
9140	641836.2	4170848.9	Worker	Scenario 3	1.97E-01	4.30E-04	2.13E-03
9141	641936.2	4170848.9	Worker	Scenario 3	1.95E-01	4.27E-04	2.09E-03
9142	642036.2	4170848.9	Worker	Scenario 3	1.93E-01	4.23E-04	2.02E-03
9143	642136.2	4170848.9	Worker	Scenario 3	1.91E-01	4.17E-04	2.10E-03
9144	642236.2	4170848.9	Worker	Scenario 3	1.88E-01	4.12E-04	2.66E-03
9145	642336.2	4170848.9	Worker	Scenario 3	1.86E-01	4.07E-04	3.98E-03
9146	642436.2	4170848.9	Worker	Scenario 3	1.83E-01	4.01E-04	4.84E-03
9147	642536.2	4170848.9	Worker	Scenario 3	1.80E-01	3.94E-04	4.72E-03
9148	642636.2	4170848.9	Worker	Scenario 3	1.77E-01	3.87E-04	3.72E-03
9149	642736.2	4170848.9	Worker	Scenario 3	1.74E-01	3.80E-04	2.57E-03
9150	642836.2	4170848.9	Worker	Scenario 3	1.71E-01	3.73E-04	1.75E-03
9151	642936.2	4170848.9	Worker	Scenario 3	1.68E-01	3.66E-04	1.88E-03
9152	643036.2	4170848.9	Worker	Scenario 3	1.66E-01	3.61E-04	1.76E-03
9153	643136.2	4170848.9	Worker	Scenario 3	1.63E-01	3.56E-04	1.83E-03
9154	643236.2	4170848.9	Worker	Scenario 3	1.61E-01	3.51E-04	2.05E-03
9155	643336.2	4170848.9	Worker	Scenario 3	1.58E-01	3.46E-04	2.40E-03
9156	637336.2	4170948.9	Worker	Scenario 3	9.44E-02	2.05E-04	1.02E-03
9157	637436.2	4170948.9	Worker	Scenario 3	9.94E-02	2.16E-04	1.05E-03
9158	637536.2	4170948.9	Worker	Scenario 3	1.05E-01	2.28E-04	1.04E-03
9159	637636.2	4170948.9	Worker	Scenario 3	1.06E-01	2.31E-04	1.02E-03
9160	637736.2	4170948.9	Worker	Scenario 3	1.11E-01	2.41E-04	1.07E-03
9161	637836.2	4170948.9	Worker	Scenario 3	1.17E-01	2.53E-04	1.10E-03
9162	637936.2	4170948.9	Worker	Scenario 3	1.23E-01	2.68E-04	1.13E-03
9163	638036.2	4170948.9	Worker	Scenario 3	1.30E-01	2.82E-04	1.26E-03
9164	638136.2	4170948.9	Worker	Scenario 3	1.35E-01	2.92E-04	1.28E-03
9165	638236.2	4170948.9	Worker	Scenario 3	1.39E-01	3.02E-04	1.18E-03
9166	638536.2	4170948.9	Worker	Scenario 3	1.51E-01	3.27E-04	1.60E-03
9167	638636.2	4170948.9	Worker	Scenario 3	1.54E-01	3.34E-04	1.77E-03
9168	638736.2	4170948.9	Worker	Scenario 3	1.57E-01	3.41E-04	1.68E-03
9169	638836.2	4170948.9	Worker	Scenario 3	1.53E-01	3.32E-04	1.34E-03
9170	638936.2	4170948.9	Worker	Scenario 3	1.53E-01	3.32E-04	1.31E-03
9171	639036.2	4170948.9	Worker	Scenario 3	1.56E-01	3.38E-04	1.27E-03
9172	639136.2	4170948.9	Worker	Scenario 3	1.52E-01	3.30E-04	1.30E-03
9173	639236.2	4170948.9	Worker	Scenario 3	1.54E-01	3.35E-04	1.30E-03
9174	639336.2	4170948.9	Worker	Scenario 3	1.67E-01	3.63E-04	1.44E-03
9175	639436.2	4170948.9	Worker	Scenario 3	1.71E-01	3.72E-04	1.72E-03
9176	639536.2	4170948.9	Worker	Scenario 3	1.74E-01	3.79E-04	1.76E-03
9177	639636.2	4170948.9	Worker	Scenario 3	1.76E-01	3.84E-04	1.70E-03
9178	639736.2	4170948.9	Worker	Scenario 3	1.79E-01	3.90E-04	1.81E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9179	639836.2	4170948.9	Worker	Scenario 3	1.81E-01	3.94E-04	1.80E-03
9180	639936.2	4170948.9	Worker	Scenario 3	1.83E-01	3.97E-04	1.87E-03
9181	640036.2	4170948.9	Worker	Scenario 3	1.84E-01	4.01E-04	1.87E-03
9182	640136.2	4170948.9	Worker	Scenario 3	1.86E-01	4.05E-04	1.73E-03
9183	640236.2	4170948.9	Worker	Scenario 3	1.88E-01	4.10E-04	1.93E-03
9184	640336.2	4170948.9	Worker	Scenario 3	1.90E-01	4.14E-04	1.93E-03
9185	640436.2	4170948.9	Worker	Scenario 3	1.92E-01	4.19E-04	1.96E-03
9186	640536.2	4170948.9	Worker	Scenario 3	1.93E-01	4.23E-04	2.03E-03
9187	640636.2	4170948.9	Worker	Scenario 3	1.95E-01	4.26E-04	2.00E-03
9188	640736.2	4170948.9	Worker	Scenario 3	1.96E-01	4.28E-04	1.97E-03
9189	640836.2	4170948.9	Worker	Scenario 3	1.96E-01	4.29E-04	1.90E-03
9190	640936.2	4170948.9	Worker	Scenario 3	1.96E-01	4.29E-04	1.97E-03
9191	641036.2	4170948.9	Worker	Scenario 3	1.96E-01	4.28E-04	2.05E-03
9192	641136.2	4170948.9	Worker	Scenario 3	1.95E-01	4.26E-04	2.01E-03
9193	641236.2	4170948.9	Worker	Scenario 3	1.94E-01	4.23E-04	2.01E-03
9194	641336.2	4170948.9	Worker	Scenario 3	1.92E-01	4.20E-04	2.01E-03
9195	641436.2	4170948.9	Worker	Scenario 3	1.91E-01	4.18E-04	2.04E-03
9196	641536.2	4170948.9	Worker	Scenario 3	1.90E-01	4.16E-04	2.07E-03
9197	641636.2	4170948.9	Worker	Scenario 3	1.89E-01	4.13E-04	2.05E-03
9198	641736.2	4170948.9	Worker	Scenario 3	1.87E-01	4.10E-04	2.05E-03
9199	641836.2	4170948.9	Worker	Scenario 3	1.86E-01	4.07E-04	2.04E-03
9200	641936.2	4170948.9	Worker	Scenario 3	1.85E-01	4.05E-04	2.03E-03
9201	642036.2	4170948.9	Worker	Scenario 3	1.83E-01	4.02E-04	1.89E-03
9202	642136.2	4170948.9	Worker	Scenario 3	1.81E-01	3.98E-04	2.01E-03
9203	642236.2	4170948.9	Worker	Scenario 3	1.79E-01	3.93E-04	2.36E-03
9204	642336.2	4170948.9	Worker	Scenario 3	1.77E-01	3.87E-04	3.58E-03
9205	642436.2	4170948.9	Worker	Scenario 3	1.74E-01	3.82E-04	4.57E-03
9206	642536.2	4170948.9	Worker	Scenario 3	1.71E-01	3.76E-04	4.74E-03
9207	642636.2	4170948.9	Worker	Scenario 3	1.68E-01	3.69E-04	4.00E-03
9208	642736.2	4170948.9	Worker	Scenario 3	1.66E-01	3.62E-04	2.80E-03
9209	642836.2	4170948.9	Worker	Scenario 3	1.63E-01	3.56E-04	1.95E-03
9210	642936.2	4170948.9	Worker	Scenario 3	1.61E-01	3.50E-04	1.74E-03
9211	643036.2	4170948.9	Worker	Scenario 3	1.59E-01	3.45E-04	1.79E-03
9212	643136.2	4170948.9	Worker	Scenario 3	1.56E-01	3.41E-04	1.78E-03
9213	643236.2	4170948.9	Worker	Scenario 3	1.54E-01	3.36E-04	1.82E-03
9214	636836.2	4171048.9	Worker	Scenario 3	7.15E-02	1.57E-04	8.92E-04
9215	637036.2	4171048.9	Worker	Scenario 3	7.97E-02	1.74E-04	9.41E-04
9216	637136.2	4171048.9	Worker	Scenario 3	8.44E-02	1.84E-04	9.33E-04
9217	637236.2	4171048.9	Worker	Scenario 3	8.89E-02	1.94E-04	9.63E-04
9218	637336.2	4171048.9	Worker	Scenario 3	9.08E-02	1.98E-04	9.78E-04
9219	637436.2	4171048.9	Worker	Scenario 3	9.67E-02	2.11E-04	9.88E-04
9220	637536.2	4171048.9	Worker	Scenario 3	1.02E-01	2.22E-04	1.02E-03
9221	637636.2	4171048.9	Worker	Scenario 3	1.06E-01	2.32E-04	1.07E-03
9222	637736.2	4171048.9	Worker	Scenario 3	1.07E-01	2.34E-04	1.05E-03
9223	637836.2	4171048.9	Worker	Scenario 3	1.12E-01	2.43E-04	1.06E-03
9224	637936.2	4171048.9	Worker	Scenario 3	1.20E-01	2.61E-04	1.21E-03
9225	638036.2	4171048.9	Worker	Scenario 3	1.25E-01	2.71E-04	1.23E-03
9226	638136.2	4171048.9	Worker	Scenario 3	1.29E-01	2.80E-04	1.17E-03
9227	638236.2	4171048.9	Worker	Scenario 3	1.33E-01	2.89E-04	1.12E-03
9228	638436.2	4171048.9	Worker	Scenario 3	1.41E-01	3.05E-04	1.52E-03
9229	638536.2	4171048.9	Worker	Scenario 3	1.44E-01	3.13E-04	1.73E-03
9230	638636.2	4171048.9	Worker	Scenario 3	1.47E-01	3.20E-04	1.72E-03
9231	638736.2	4171048.9	Worker	Scenario 3	1.51E-01	3.26E-04	1.43E-03
9232	638836.2	4171048.9	Worker	Scenario 3	1.44E-01	3.13E-04	1.26E-03
9233	638936.2	4171048.9	Worker	Scenario 3	1.45E-01	3.16E-04	1.24E-03
9234	639036.2	4171048.9	Worker	Scenario 3	1.50E-01	3.26E-04	1.31E-03
9235	639136.2	4171048.9	Worker	Scenario 3	1.52E-01	3.30E-04	1.32E-03
9236	639236.2	4171048.9	Worker	Scenario 3	1.53E-01	3.34E-04	1.28E-03
9237	639336.2	4171048.9	Worker	Scenario 3	1.61E-01	3.50E-04	1.57E-03
9238	639436.2	4171048.9	Worker	Scenario 3	1.60E-01	3.48E-04	1.63E-03
9239	639536.2	4171048.9	Worker	Scenario 3	1.62E-01	3.53E-04	1.64E-03
9240	639636.2	4171048.9	Worker	Scenario 3	1.68E-01	3.67E-04	1.73E-03
9241	639736.2	4171048.9	Worker	Scenario 3	1.71E-01	3.73E-04	1.77E-03
9242	639836.2	4171048.9	Worker	Scenario 3	1.73E-01	3.76E-04	1.73E-03
9243	639936.2	4171048.9	Worker	Scenario 3	1.74E-01	3.79E-04	1.79E-03
9244	640036.2	4171048.9	Worker	Scenario 3	1.76E-01	3.83E-04	1.74E-03
9245	640136.2	4171048.9	Worker	Scenario 3	1.78E-01	3.87E-04	1.78E-03
9246	640236.2	4171048.9	Worker	Scenario 3	1.79E-01	3.91E-04	1.82E-03
9247	640336.2	4171048.9	Worker	Scenario 3	1.81E-01	3.95E-04	1.88E-03
9248	640436.2	4171048.9	Worker	Scenario 3	1.83E-01	3.99E-04	1.87E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9249	640536.2	4171048.9	Worker	Scenario 3	1.84E-01	4.03E-04	1.98E-03
9250	640636.2	4171048.9	Worker	Scenario 3	1.85E-01	4.05E-04	1.91E-03
9251	640736.2	4171048.9	Worker	Scenario 3	1.86E-01	4.07E-04	1.93E-03
9252	640836.2	4171048.9	Worker	Scenario 3	1.86E-01	4.08E-04	1.88E-03
9253	640936.2	4171048.9	Worker	Scenario 3	1.86E-01	4.07E-04	1.91E-03
9254	641036.2	4171048.9	Worker	Scenario 3	1.86E-01	4.06E-04	2.00E-03
9255	641136.2	4171048.9	Worker	Scenario 3	1.85E-01	4.04E-04	1.95E-03
9256	641236.2	4171048.9	Worker	Scenario 3	1.84E-01	4.01E-04	1.93E-03
9257	641336.2	4171048.9	Worker	Scenario 3	1.83E-01	3.99E-04	1.95E-03
9258	641436.2	4171048.9	Worker	Scenario 3	1.81E-01	3.97E-04	1.97E-03
9259	641536.2	4171048.9	Worker	Scenario 3	1.80E-01	3.95E-04	2.00E-03
9260	641636.2	4171048.9	Worker	Scenario 3	1.79E-01	3.92E-04	1.97E-03
9261	641736.2	4171048.9	Worker	Scenario 3	1.78E-01	3.89E-04	1.98E-03
9262	641836.2	4171048.9	Worker	Scenario 3	1.77E-01	3.87E-04	1.96E-03
9263	641936.2	4171048.9	Worker	Scenario 3	1.76E-01	3.85E-04	1.97E-03
9264	642036.2	4171048.9	Worker	Scenario 3	1.75E-01	3.83E-04	1.78E-03
9265	642136.2	4171048.9	Worker	Scenario 3	1.73E-01	3.79E-04	1.94E-03
9266	642236.2	4171048.9	Worker	Scenario 3	1.71E-01	3.75E-04	2.13E-03
9267	642336.2	4171048.9	Worker	Scenario 3	1.69E-01	3.70E-04	3.18E-03
9268	642436.2	4171048.9	Worker	Scenario 3	1.66E-01	3.64E-04	4.26E-03
9269	642536.2	4171048.9	Worker	Scenario 3	1.63E-01	3.59E-04	4.68E-03
9270	642636.2	4171048.9	Worker	Scenario 3	1.61E-01	3.53E-04	4.20E-03
9271	642736.2	4171048.9	Worker	Scenario 3	1.58E-01	3.47E-04	3.12E-03
9272	642836.2	4171048.9	Worker	Scenario 3	1.56E-01	3.41E-04	2.22E-03
9273	642936.2	4171048.9	Worker	Scenario 3	1.54E-01	3.35E-04	1.61E-03
9274	643036.2	4171048.9	Worker	Scenario 3	1.52E-01	3.31E-04	1.76E-03
9275	643136.2	4171048.9	Worker	Scenario 3	1.50E-01	3.26E-04	1.66E-03
9276	636936.2	4171148.9	Worker	Scenario 3	7.63E-02	1.67E-04	9.07E-04
9277	637036.2	4171148.9	Worker	Scenario 3	7.94E-02	1.73E-04	9.02E-04
9278	637136.2	4171148.9	Worker	Scenario 3	8.27E-02	1.80E-04	9.15E-04
9279	637236.2	4171148.9	Worker	Scenario 3	8.65E-02	1.89E-04	9.55E-04
9280	637336.2	4171148.9	Worker	Scenario 3	8.78E-02	1.92E-04	9.18E-04
9281	637436.2	4171148.9	Worker	Scenario 3	9.14E-02	2.00E-04	9.40E-04
9282	637536.2	4171148.9	Worker	Scenario 3	9.54E-02	2.08E-04	9.85E-04
9283	637636.2	4171148.9	Worker	Scenario 3	1.03E-01	2.25E-04	1.05E-03
9284	637736.2	4171148.9	Worker	Scenario 3	1.08E-01	2.34E-04	1.07E-03
9285	637836.2	4171148.9	Worker	Scenario 3	1.11E-01	2.43E-04	1.20E-03
9286	637936.2	4171148.9	Worker	Scenario 3	1.11E-01	2.42E-04	1.13E-03
9287	638036.2	4171148.9	Worker	Scenario 3	1.20E-01	2.61E-04	1.16E-03
9288	638136.2	4171148.9	Worker	Scenario 3	1.24E-01	2.69E-04	1.06E-03
9289	638436.2	4171148.9	Worker	Scenario 3	1.35E-01	2.93E-04	1.68E-03
9290	638536.2	4171148.9	Worker	Scenario 3	1.38E-01	3.00E-04	1.71E-03
9291	638636.2	4171148.9	Worker	Scenario 3	1.41E-01	3.06E-04	1.50E-03
9292	638736.2	4171148.9	Worker	Scenario 3	1.44E-01	3.12E-04	1.29E-03
9293	638836.2	4171148.9	Worker	Scenario 3	1.37E-01	2.98E-04	1.22E-03
9294	638936.2	4171148.9	Worker	Scenario 3	1.40E-01	3.05E-04	1.23E-03
9295	639036.2	4171148.9	Worker	Scenario 3	1.43E-01	3.10E-04	1.26E-03
9296	639136.2	4171148.9	Worker	Scenario 3	1.43E-01	3.12E-04	1.24E-03
9297	639236.2	4171148.9	Worker	Scenario 3	1.45E-01	3.17E-04	1.33E-03
9298	639336.2	4171148.9	Worker	Scenario 3	1.56E-01	3.40E-04	1.62E-03
9299	639436.2	4171148.9	Worker	Scenario 3	1.53E-01	3.35E-04	1.59E-03
9300	639536.2	4171148.9	Worker	Scenario 3	1.55E-01	3.38E-04	1.53E-03
9301	639636.2	4171148.9	Worker	Scenario 3	1.61E-01	3.51E-04	1.68E-03
9302	639736.2	4171148.9	Worker	Scenario 3	1.63E-01	3.56E-04	1.69E-03
9303	639836.2	4171148.9	Worker	Scenario 3	1.65E-01	3.60E-04	1.74E-03
9304	639936.2	4171148.9	Worker	Scenario 3	1.67E-01	3.63E-04	1.75E-03
9305	640036.2	4171148.9	Worker	Scenario 3	1.68E-01	3.66E-04	1.57E-03
9306	640136.2	4171148.9	Worker	Scenario 3	1.70E-01	3.70E-04	1.78E-03
9307	640236.2	4171148.9	Worker	Scenario 3	1.71E-01	3.74E-04	1.71E-03
9308	640336.2	4171148.9	Worker	Scenario 3	1.73E-01	3.78E-04	1.80E-03
9309	640436.2	4171148.9	Worker	Scenario 3	1.74E-01	3.81E-04	1.83E-03
9310	640536.2	4171148.9	Worker	Scenario 3	1.75E-01	3.84E-04	1.91E-03
9311	640636.2	4171148.9	Worker	Scenario 3	1.76E-01	3.86E-04	1.84E-03
9312	640736.2	4171148.9	Worker	Scenario 3	1.77E-01	3.88E-04	1.86E-03
9313	640836.2	4171148.9	Worker	Scenario 3	1.77E-01	3.88E-04	1.85E-03
9314	640936.2	4171148.9	Worker	Scenario 3	1.77E-01	3.87E-04	1.90E-03
9315	641036.2	4171148.9	Worker	Scenario 3	1.77E-01	3.86E-04	1.95E-03
9316	641136.2	4171148.9	Worker	Scenario 3	1.76E-01	3.84E-04	1.88E-03
9317	641236.2	4171148.9	Worker	Scenario 3	1.75E-01	3.82E-04	1.86E-03
9318	641336.2	4171148.9	Worker	Scenario 3	1.74E-01	3.80E-04	1.88E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9319	641436.2	4171148.9	Worker	Scenario 3	1.73E-01	3.78E-04	1.91E-03
9320	641536.2	4171148.9	Worker	Scenario 3	1.71E-01	3.75E-04	1.93E-03
9321	641636.2	4171148.9	Worker	Scenario 3	1.70E-01	3.73E-04	1.90E-03
9322	641736.2	4171148.9	Worker	Scenario 3	1.69E-01	3.71E-04	1.92E-03
9323	641836.2	4171148.9	Worker	Scenario 3	1.68E-01	3.69E-04	1.88E-03
9324	641936.2	4171148.9	Worker	Scenario 3	1.68E-01	3.67E-04	1.90E-03
9325	642036.2	4171148.9	Worker	Scenario 3	1.67E-01	3.65E-04	1.70E-03
9326	642136.2	4171148.9	Worker	Scenario 3	1.65E-01	3.62E-04	1.87E-03
9327	642236.2	4171148.9	Worker	Scenario 3	1.63E-01	3.58E-04	1.97E-03
9328	642336.2	4171148.9	Worker	Scenario 3	1.61E-01	3.53E-04	2.81E-03
9329	642436.2	4171148.9	Worker	Scenario 3	1.59E-01	3.48E-04	3.93E-03
9330	642536.2	4171148.9	Worker	Scenario 3	1.56E-01	3.43E-04	4.54E-03
9331	642636.2	4171148.9	Worker	Scenario 3	1.54E-01	3.38E-04	4.32E-03
9332	642736.2	4171148.9	Worker	Scenario 3	1.51E-01	3.32E-04	3.41E-03
9333	642836.2	4171148.9	Worker	Scenario 3	1.49E-01	3.26E-04	2.42E-03
9334	642936.2	4171148.9	Worker	Scenario 3	1.47E-01	3.22E-04	1.63E-03
9335	643036.2	4171148.9	Worker	Scenario 3	1.45E-01	3.16E-04	1.65E-03
9336	636836.2	4171248.9	Worker	Scenario 3	7.09E-02	1.55E-04	8.78E-04
9337	636936.2	4171248.9	Worker	Scenario 3	7.51E-02	1.64E-04	8.72E-04
9338	637036.2	4171248.9	Worker	Scenario 3	7.81E-02	1.71E-04	8.81E-04
9339	637136.2	4171248.9	Worker	Scenario 3	8.11E-02	1.77E-04	9.16E-04
9340	637236.2	4171248.9	Worker	Scenario 3	8.47E-02	1.85E-04	9.01E-04
9341	637336.2	4171248.9	Worker	Scenario 3	8.54E-02	1.87E-04	9.02E-04
9342	637436.2	4171248.9	Worker	Scenario 3	8.86E-02	1.94E-04	9.38E-04
9343	637536.2	4171248.9	Worker	Scenario 3	9.20E-02	2.01E-04	9.55E-04
9344	637636.2	4171248.9	Worker	Scenario 3	9.79E-02	2.14E-04	9.88E-04
9345	637736.2	4171248.9	Worker	Scenario 3	1.04E-01	2.27E-04	1.17E-03
9346	637836.2	4171248.9	Worker	Scenario 3	1.08E-01	2.35E-04	1.22E-03
9347	637936.2	4171248.9	Worker	Scenario 3	1.12E-01	2.44E-04	1.14E-03
9348	638336.2	4171248.9	Worker	Scenario 3	1.26E-01	2.74E-04	1.62E-03
9349	638436.2	4171248.9	Worker	Scenario 3	1.29E-01	2.81E-04	1.69E-03
9350	638536.2	4171248.9	Worker	Scenario 3	1.32E-01	2.87E-04	1.55E-03
9351	638636.2	4171248.9	Worker	Scenario 3	1.35E-01	2.94E-04	1.27E-03
9352	638736.2	4171248.9	Worker	Scenario 3	1.38E-01	2.99E-04	1.25E-03
9353	638836.2	4171248.9	Worker	Scenario 3	1.32E-01	2.87E-04	1.14E-03
9354	638936.2	4171248.9	Worker	Scenario 3	1.39E-01	3.02E-04	1.26E-03
9355	639036.2	4171248.9	Worker	Scenario 3	1.36E-01	2.96E-04	1.22E-03
9356	639136.2	4171248.9	Worker	Scenario 3	1.37E-01	3.00E-04	1.17E-03
9357	639236.2	4171248.9	Worker	Scenario 3	1.39E-01	3.04E-04	1.41E-03
9358	639336.2	4171248.9	Worker	Scenario 3	1.50E-01	3.27E-04	1.58E-03
9359	639436.2	4171248.9	Worker	Scenario 3	1.47E-01	3.21E-04	1.52E-03
9360	639536.2	4171248.9	Worker	Scenario 3	1.49E-01	3.25E-04	1.57E-03
9361	639636.2	4171248.9	Worker	Scenario 3	1.54E-01	3.36E-04	1.64E-03
9362	639736.2	4171248.9	Worker	Scenario 3	1.56E-01	3.41E-04	1.58E-03
9363	639836.2	4171248.9	Worker	Scenario 3	1.58E-01	3.44E-04	1.67E-03
9364	639936.2	4171248.9	Worker	Scenario 3	1.59E-01	3.47E-04	1.66E-03
9365	640036.2	4171248.9	Worker	Scenario 3	1.61E-01	3.50E-04	1.58E-03
9366	640136.2	4171248.9	Worker	Scenario 3	1.62E-01	3.54E-04	1.73E-03
9367	640236.2	4171248.9	Worker	Scenario 3	1.64E-01	3.58E-04	1.72E-03
9368	640336.2	4171248.9	Worker	Scenario 3	1.65E-01	3.61E-04	1.76E-03
9369	640436.2	4171248.9	Worker	Scenario 3	1.66E-01	3.64E-04	1.79E-03
9370	640536.2	4171248.9	Worker	Scenario 3	1.67E-01	3.67E-04	1.82E-03
9371	640636.2	4171248.9	Worker	Scenario 3	1.68E-01	3.69E-04	1.79E-03
9372	640736.2	4171248.9	Worker	Scenario 3	1.69E-01	3.70E-04	1.79E-03
9373	640836.2	4171248.9	Worker	Scenario 3	1.69E-01	3.70E-04	1.80E-03
9374	640936.2	4171248.9	Worker	Scenario 3	1.69E-01	3.69E-04	1.89E-03
9375	641036.2	4171248.9	Worker	Scenario 3	1.68E-01	3.68E-04	1.90E-03
9376	641136.2	4171248.9	Worker	Scenario 3	1.67E-01	3.66E-04	1.82E-03
9377	641236.2	4171248.9	Worker	Scenario 3	1.66E-01	3.64E-04	1.78E-03
9378	641336.2	4171248.9	Worker	Scenario 3	1.66E-01	3.62E-04	1.82E-03
9379	641436.2	4171248.9	Worker	Scenario 3	1.65E-01	3.61E-04	1.85E-03
9380	641536.2	4171248.9	Worker	Scenario 3	1.63E-01	3.58E-04	1.86E-03
9381	641636.2	4171248.9	Worker	Scenario 3	1.63E-01	3.56E-04	1.84E-03
9382	641736.2	4171248.9	Worker	Scenario 3	1.62E-01	3.54E-04	1.85E-03
9383	641836.2	4171248.9	Worker	Scenario 3	1.61E-01	3.53E-04	1.83E-03
9384	641936.2	4171248.9	Worker	Scenario 3	1.60E-01	3.51E-04	1.83E-03
9385	642036.2	4171248.9	Worker	Scenario 3	1.59E-01	3.49E-04	1.66E-03
9386	642136.2	4171248.9	Worker	Scenario 3	1.58E-01	3.46E-04	1.80E-03
9387	642236.2	4171248.9	Worker	Scenario 3	1.56E-01	3.42E-04	1.82E-03
9388	642336.2	4171248.9	Worker	Scenario 3	1.54E-01	3.38E-04	2.46E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9389	642436.2	4171248.9	Worker	Scenario 3	1.52E-01	3.34E-04	3.58E-03
9390	642536.2	4171248.9	Worker	Scenario 3	1.50E-01	3.29E-04	4.35E-03
9391	642636.2	4171248.9	Worker	Scenario 3	1.47E-01	3.24E-04	4.37E-03
9392	642736.2	4171248.9	Worker	Scenario 3	1.45E-01	3.18E-04	3.66E-03
9393	642836.2	4171248.9	Worker	Scenario 3	1.43E-01	3.13E-04	2.61E-03
9394	642936.2	4171248.9	Worker	Scenario 3	1.41E-01	3.08E-04	1.90E-03
9395	636736.2	4171348.9	Worker	Scenario 3	6.76E-02	1.48E-04	8.45E-04
9396	636836.2	4171348.9	Worker	Scenario 3	7.24E-02	1.58E-04	8.56E-04
9397	636936.2	4171348.9	Worker	Scenario 3	7.41E-02	1.62E-04	8.56E-04
9398	637036.2	4171348.9	Worker	Scenario 3	7.66E-02	1.68E-04	8.81E-04
9399	637136.2	4171348.9	Worker	Scenario 3	7.98E-02	1.75E-04	8.61E-04
9400	637236.2	4171348.9	Worker	Scenario 3	8.26E-02	1.81E-04	8.95E-04
9401	637336.2	4171348.9	Worker	Scenario 3	8.35E-02	1.83E-04	9.03E-04
9402	637436.2	4171348.9	Worker	Scenario 3	8.66E-02	1.90E-04	9.20E-04
9403	637536.2	4171348.9	Worker	Scenario 3	9.29E-02	2.03E-04	9.65E-04
9404	637636.2	4171348.9	Worker	Scenario 3	9.74E-02	2.13E-04	1.15E-03
9405	637736.2	4171348.9	Worker	Scenario 3	1.01E-01	2.21E-04	1.16E-03
9406	637836.2	4171348.9	Worker	Scenario 3	1.04E-01	2.28E-04	1.10E-03
9407	638136.2	4171348.9	Worker	Scenario 3	1.15E-01	2.50E-04	1.26E-03
9408	638236.2	4171348.9	Worker	Scenario 3	1.18E-01	2.57E-04	1.55E-03
9409	638336.2	4171348.9	Worker	Scenario 3	1.21E-01	2.64E-04	1.65E-03
9410	638436.2	4171348.9	Worker	Scenario 3	1.24E-01	2.70E-04	1.54E-03
9411	638536.2	4171348.9	Worker	Scenario 3	1.27E-01	2.76E-04	1.29E-03
9412	638636.2	4171348.9	Worker	Scenario 3	1.30E-01	2.82E-04	1.20E-03
9413	638736.2	4171348.9	Worker	Scenario 3	1.31E-01	2.86E-04	1.17E-03
9414	638836.2	4171348.9	Worker	Scenario 3	1.34E-01	2.92E-04	1.23E-03
9415	638936.2	4171348.9	Worker	Scenario 3	1.34E-01	2.91E-04	1.21E-03
9416	639036.2	4171348.9	Worker	Scenario 3	1.30E-01	2.85E-04	1.15E-03
9417	639136.2	4171348.9	Worker	Scenario 3	1.32E-01	2.88E-04	1.28E-03
9418	639236.2	4171348.9	Worker	Scenario 3	1.34E-01	2.94E-04	1.44E-03
9419	639336.2	4171348.9	Worker	Scenario 3	1.44E-01	3.14E-04	1.55E-03
9420	639436.2	4171348.9	Worker	Scenario 3	1.40E-01	3.06E-04	1.43E-03
9421	639536.2	4171348.9	Worker	Scenario 3	1.42E-01	3.11E-04	1.52E-03
9422	639636.2	4171348.9	Worker	Scenario 3	1.48E-01	3.22E-04	1.57E-03
9423	639736.2	4171348.9	Worker	Scenario 3	1.50E-01	3.27E-04	1.61E-03
9424	639836.2	4171348.9	Worker	Scenario 3	1.51E-01	3.30E-04	1.63E-03
9425	639936.2	4171348.9	Worker	Scenario 3	1.53E-01	3.33E-04	1.53E-03
9426	640036.2	4171348.9	Worker	Scenario 3	1.54E-01	3.36E-04	1.62E-03
9427	640136.2	4171348.9	Worker	Scenario 3	1.55E-01	3.39E-04	1.64E-03
9428	640236.2	4171348.9	Worker	Scenario 3	1.57E-01	3.43E-04	1.69E-03
9429	640336.2	4171348.9	Worker	Scenario 3	1.58E-01	3.46E-04	1.70E-03
9430	640436.2	4171348.9	Worker	Scenario 3	1.59E-01	3.49E-04	1.76E-03
9431	640536.2	4171348.9	Worker	Scenario 3	1.60E-01	3.51E-04	1.73E-03
9432	640636.2	4171348.9	Worker	Scenario 3	1.61E-01	3.53E-04	1.73E-03
9433	640736.2	4171348.9	Worker	Scenario 3	1.61E-01	3.53E-04	1.70E-03
9434	640836.2	4171348.9	Worker	Scenario 3	1.61E-01	3.53E-04	1.75E-03
9435	640936.2	4171348.9	Worker	Scenario 3	1.61E-01	3.53E-04	1.87E-03
9436	641036.2	4171348.9	Worker	Scenario 3	1.61E-01	3.51E-04	1.85E-03
9437	641136.2	4171348.9	Worker	Scenario 3	1.60E-01	3.49E-04	1.75E-03
9438	641236.2	4171348.9	Worker	Scenario 3	1.59E-01	3.47E-04	1.71E-03
9439	641336.2	4171348.9	Worker	Scenario 3	1.58E-01	3.46E-04	1.76E-03
9440	641436.2	4171348.9	Worker	Scenario 3	1.57E-01	3.44E-04	1.79E-03
9441	641536.2	4171348.9	Worker	Scenario 3	1.56E-01	3.43E-04	1.81E-03
9442	641636.2	4171348.9	Worker	Scenario 3	1.56E-01	3.41E-04	1.79E-03
9443	641736.2	4171348.9	Worker	Scenario 3	1.55E-01	3.40E-04	1.79E-03
9444	641836.2	4171348.9	Worker	Scenario 3	1.54E-01	3.38E-04	1.78E-03
9445	641936.2	4171348.9	Worker	Scenario 3	1.54E-01	3.37E-04	1.76E-03
9446	642036.2	4171348.9	Worker	Scenario 3	1.53E-01	3.35E-04	1.65E-03
9447	642136.2	4171348.9	Worker	Scenario 3	1.51E-01	3.31E-04	1.71E-03
9448	642236.2	4171348.9	Worker	Scenario 3	1.49E-01	3.28E-04	1.74E-03
9449	642336.2	4171348.9	Worker	Scenario 3	1.48E-01	3.24E-04	2.15E-03
9450	642436.2	4171348.9	Worker	Scenario 3	1.46E-01	3.20E-04	3.24E-03
9451	642536.2	4171348.9	Worker	Scenario 3	1.43E-01	3.15E-04	4.11E-03
9452	642636.2	4171348.9	Worker	Scenario 3	1.41E-01	3.10E-04	4.35E-03
9453	642736.2	4171348.9	Worker	Scenario 3	1.39E-01	3.06E-04	3.85E-03
9454	642836.2	4171348.9	Worker	Scenario 3	1.37E-01	3.01E-04	2.88E-03
9455	636236.2	4171448.9	Worker	Scenario 3	5.46E-02	1.20E-04	7.80E-04
9456	636636.2	4171448.9	Worker	Scenario 3	6.63E-02	1.45E-04	8.09E-04
9457	636736.2	4171448.9	Worker	Scenario 3	6.92E-02	1.52E-04	8.31E-04
9458	636836.2	4171448.9	Worker	Scenario 3	7.07E-02	1.55E-04	8.35E-04

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
9459	636936.2	4171448.9	Worker	Scenario 3	7.34E-02	1.61E-04	8.57E-04
9460	637036.2	4171448.9	Worker	Scenario 3	7.52E-02	1.65E-04	8.22E-04
9461	637136.2	4171448.9	Worker	Scenario 3	7.87E-02	1.73E-04	8.72E-04
9462	637236.2	4171448.9	Worker	Scenario 3	8.31E-02	1.82E-04	9.21E-04
9463	637336.2	4171448.9	Worker	Scenario 3	8.56E-02	1.88E-04	9.43E-04
9464	638036.2	4171448.9	Worker	Scenario 3	1.08E-01	2.36E-04	1.18E-03
9465	638136.2	4171448.9	Worker	Scenario 3	1.11E-01	2.42E-04	1.48E-03
9466	638236.2	4171448.9	Worker	Scenario 3	1.14E-01	2.49E-04	1.61E-03
9467	638336.2	4171448.9	Worker	Scenario 3	1.17E-01	2.55E-04	1.57E-03
9468	638436.2	4171448.9	Worker	Scenario 3	1.20E-01	2.61E-04	1.32E-03
9469	638536.2	4171448.9	Worker	Scenario 3	1.22E-01	2.66E-04	1.14E-03
9470	638636.2	4171448.9	Worker	Scenario 3	1.25E-01	2.72E-04	1.16E-03
9471	638736.2	4171448.9	Worker	Scenario 3	1.27E-01	2.76E-04	1.16E-03
9472	638836.2	4171448.9	Worker	Scenario 3	1.29E-01	2.82E-04	1.20E-03
9473	638936.2	4171448.9	Worker	Scenario 3	1.31E-01	2.85E-04	1.20E-03
9474	639036.2	4171448.9	Worker	Scenario 3	1.32E-01	2.88E-04	1.21E-03
9475	639136.2	4171448.9	Worker	Scenario 3	1.34E-01	2.92E-04	1.43E-03
9476	639236.2	4171448.9	Worker	Scenario 3	1.36E-01	2.97E-04	1.46E-03
9477	639336.2	4171448.9	Worker	Scenario 3	1.38E-01	3.02E-04	1.47E-03
9478	639436.2	4171448.9	Worker	Scenario 3	1.40E-01	3.05E-04	1.51E-03
9479	639536.2	4171448.9	Worker	Scenario 3	1.40E-01	3.07E-04	1.53E-03
9480	639636.2	4171448.9	Worker	Scenario 3	1.43E-01	3.12E-04	1.47E-03
9481	639736.2	4171448.9	Worker	Scenario 3	1.44E-01	3.14E-04	1.57E-03
9482	639836.2	4171448.9	Worker	Scenario 3	1.45E-01	3.17E-04	1.57E-03
9483	639936.2	4171448.9	Worker	Scenario 3	1.47E-01	3.20E-04	1.40E-03
9484	640036.2	4171448.9	Worker	Scenario 3	1.48E-01	3.23E-04	1.61E-03
9485	640136.2	4171448.9	Worker	Scenario 3	1.49E-01	3.26E-04	1.53E-03
9486	640236.2	4171448.9	Worker	Scenario 3	1.50E-01	3.29E-04	1.63E-03
9487	640336.2	4171448.9	Worker	Scenario 3	1.52E-01	3.32E-04	1.64E-03
9488	640436.2	4171448.9	Worker	Scenario 3	1.53E-01	3.35E-04	1.72E-03
9489	640536.2	4171448.9	Worker	Scenario 3	1.53E-01	3.37E-04	1.67E-03
9490	640636.2	4171448.9	Worker	Scenario 3	1.54E-01	3.38E-04	1.66E-03
9491	640736.2	4171448.9	Worker	Scenario 3	1.54E-01	3.38E-04	1.61E-03
9492	640836.2	4171448.9	Worker	Scenario 3	1.54E-01	3.38E-04	1.69E-03
9493	640936.2	4171448.9	Worker	Scenario 3	1.54E-01	3.37E-04	1.84E-03
9494	641036.2	4171448.9	Worker	Scenario 3	1.53E-01	3.36E-04	1.79E-03
9495	641136.2	4171448.9	Worker	Scenario 3	1.52E-01	3.34E-04	1.69E-03
9496	641236.2	4171448.9	Worker	Scenario 3	1.52E-01	3.32E-04	1.65E-03
9497	641336.2	4171448.9	Worker	Scenario 3	1.51E-01	3.30E-04	1.70E-03
9498	641436.2	4171448.9	Worker	Scenario 3	1.50E-01	3.29E-04	1.73E-03
9499	641536.2	4171448.9	Worker	Scenario 3	1.49E-01	3.28E-04	1.75E-03
9500	641636.2	4171448.9	Worker	Scenario 3	1.49E-01	3.27E-04	1.73E-03
9501	641736.2	4171448.9	Worker	Scenario 3	1.48E-01	3.25E-04	1.73E-03
9502	641836.2	4171448.9	Worker	Scenario 3	1.48E-01	3.24E-04	1.73E-03
9503	641936.2	4171448.9	Worker	Scenario 3	1.47E-01	3.23E-04	1.70E-03
9504	642036.2	4171448.9	Worker	Scenario 3	1.46E-01	3.21E-04	1.64E-03
9505	642136.2	4171448.9	Worker	Scenario 3	1.45E-01	3.19E-04	1.63E-03
9506	642236.2	4171448.9	Worker	Scenario 3	1.44E-01	3.16E-04	1.69E-03
9507	642336.2	4171448.9	Worker	Scenario 3	1.42E-01	3.12E-04	1.96E-03
9508	642436.2	4171448.9	Worker	Scenario 3	1.40E-01	3.07E-04	2.90E-03
9509	642536.2	4171448.9	Worker	Scenario 3	1.38E-01	3.03E-04	3.84E-03
9510	642636.2	4171448.9	Worker	Scenario 3	1.35E-01	2.98E-04	4.27E-03
9511	636536.2	4171548.9	Worker	Scenario 3	6.38E-02	1.40E-04	7.77E-04
9512	636636.2	4171548.9	Worker	Scenario 3	6.62E-02	1.45E-04	8.04E-04
9513	636736.2	4171548.9	Worker	Scenario 3	6.85E-02	1.50E-04	8.23E-04
9514	636836.2	4171548.9	Worker	Scenario 3	7.10E-02	1.56E-04	8.38E-04
9515	636936.2	4171548.9	Worker	Scenario 3	7.27E-02	1.60E-04	8.02E-04
9516	637036.2	4171548.9	Worker	Scenario 3	7.59E-02	1.67E-04	8.56E-04
9517	637136.2	4171548.9	Worker	Scenario 3	7.73E-02	1.70E-04	8.69E-04
9518	637236.2	4171548.9	Worker	Scenario 3	8.11E-02	1.78E-04	9.10E-04
9519	637936.2	4171548.9	Worker	Scenario 3	1.02E-01	2.22E-04	1.11E-03
9520	638036.2	4171548.9	Worker	Scenario 3	1.05E-01	2.29E-04	1.40E-03
9521	638136.2	4171548.9	Worker	Scenario 3	1.04E-01	2.27E-04	1.46E-03
9522	638236.2	4171548.9	Worker	Scenario 3	1.10E-01	2.41E-04	1.57E-03
9523	638336.2	4171548.9	Worker	Scenario 3	1.13E-01	2.47E-04	1.37E-03
9524	638436.2	4171548.9	Worker	Scenario 3	1.16E-01	2.52E-04	1.14E-03
9525	638536.2	4171548.9	Worker	Scenario 3	1.11E-01	2.43E-04	1.06E-03
9526	638636.2	4171548.9	Worker	Scenario 3	1.19E-01	2.60E-04	1.07E-03
9527	638736.2	4171548.9	Worker	Scenario 3	1.22E-01	2.67E-04	1.16E-03
9528	638836.2	4171548.9	Worker	Scenario 3	1.24E-01	2.70E-04	1.16E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9529	638936.2	4171548.9	Worker	Scenario 3	1.26E-01	2.74E-04	1.12E-03
9530	639036.2	4171548.9	Worker	Scenario 3	1.27E-01	2.77E-04	1.31E-03
9531	639136.2	4171548.9	Worker	Scenario 3	1.29E-01	2.82E-04	1.43E-03
9532	639236.2	4171548.9	Worker	Scenario 3	1.30E-01	2.84E-04	1.43E-03
9533	639336.2	4171548.9	Worker	Scenario 3	1.33E-01	2.90E-04	1.39E-03
9534	639436.2	4171548.9	Worker	Scenario 3	1.34E-01	2.94E-04	1.48E-03
9535	639536.2	4171548.9	Worker	Scenario 3	1.36E-01	2.96E-04	1.49E-03
9536	639636.2	4171548.9	Worker	Scenario 3	1.37E-01	2.99E-04	1.49E-03
9537	639736.2	4171548.9	Worker	Scenario 3	1.38E-01	3.01E-04	1.51E-03
9538	639836.2	4171548.9	Worker	Scenario 3	1.39E-01	3.04E-04	1.48E-03
9539	639936.2	4171548.9	Worker	Scenario 3	1.41E-01	3.07E-04	1.46E-03
9540	640036.2	4171548.9	Worker	Scenario 3	1.42E-01	3.10E-04	1.57E-03
9541	640136.2	4171548.9	Worker	Scenario 3	1.43E-01	3.13E-04	1.55E-03
9542	640236.2	4171548.9	Worker	Scenario 3	1.44E-01	3.16E-04	1.58E-03
9543	640336.2	4171548.9	Worker	Scenario 3	1.45E-01	3.19E-04	1.61E-03
9544	640436.2	4171548.9	Worker	Scenario 3	1.46E-01	3.21E-04	1.67E-03
9545	640536.2	4171548.9	Worker	Scenario 3	1.47E-01	3.23E-04	1.60E-03
9546	640636.2	4171548.9	Worker	Scenario 3	1.48E-01	3.24E-04	1.63E-03
9547	640736.2	4171548.9	Worker	Scenario 3	1.48E-01	3.25E-04	1.55E-03
9548	640836.2	4171548.9	Worker	Scenario 3	1.48E-01	3.24E-04	1.66E-03
9549	640936.2	4171548.9	Worker	Scenario 3	1.48E-01	3.23E-04	1.82E-03
9550	641036.2	4171548.9	Worker	Scenario 3	1.47E-01	3.21E-04	1.74E-03
9551	641136.2	4171548.9	Worker	Scenario 3	1.46E-01	3.20E-04	1.63E-03
9552	641236.2	4171548.9	Worker	Scenario 3	1.45E-01	3.18E-04	1.58E-03
9553	641336.2	4171548.9	Worker	Scenario 3	1.44E-01	3.16E-04	1.65E-03
9554	641436.2	4171548.9	Worker	Scenario 3	1.44E-01	3.16E-04	1.68E-03
9555	641536.2	4171548.9	Worker	Scenario 3	1.43E-01	3.14E-04	1.69E-03
9556	641636.2	4171548.9	Worker	Scenario 3	1.43E-01	3.13E-04	1.68E-03
9557	641736.2	4171548.9	Worker	Scenario 3	1.42E-01	3.12E-04	1.67E-03
9558	641836.2	4171548.9	Worker	Scenario 3	1.42E-01	3.11E-04	1.68E-03
9559	641936.2	4171548.9	Worker	Scenario 3	1.41E-01	3.10E-04	1.66E-03
9560	642036.2	4171548.9	Worker	Scenario 3	1.41E-01	3.09E-04	1.62E-03
9561	642136.2	4171548.9	Worker	Scenario 3	1.39E-01	3.06E-04	1.54E-03
9562	642236.2	4171548.9	Worker	Scenario 3	1.38E-01	3.04E-04	1.63E-03
9563	642336.2	4171548.9	Worker	Scenario 3	1.37E-01	3.00E-04	1.79E-03
9564	642436.2	4171548.9	Worker	Scenario 3	1.35E-01	2.96E-04	2.60E-03
9565	642536.2	4171548.9	Worker	Scenario 3	1.33E-01	2.92E-04	3.57E-03
9566	636336.2	4171648.9	Worker	Scenario 3	5.71E-02	1.26E-04	7.59E-04
9567	636536.2	4171648.9	Worker	Scenario 3	6.31E-02	1.39E-04	7.75E-04
9568	636636.2	4171648.9	Worker	Scenario 3	6.54E-02	1.44E-04	7.98E-04
9569	636736.2	4171648.9	Worker	Scenario 3	6.75E-02	1.48E-04	8.07E-04
9570	636836.2	4171648.9	Worker	Scenario 3	7.01E-02	1.54E-04	7.78E-04
9571	636936.2	4171648.9	Worker	Scenario 3	7.23E-02	1.59E-04	8.30E-04
9572	637036.2	4171648.9	Worker	Scenario 3	7.38E-02	1.62E-04	8.42E-04
9573	637136.2	4171648.9	Worker	Scenario 3	7.62E-02	1.68E-04	8.58E-04
9574	637236.2	4171648.9	Worker	Scenario 3	7.95E-02	1.75E-04	9.48E-04
9575	637536.2	4171648.9	Worker	Scenario 3	8.74E-02	1.92E-04	1.11E-03
9576	637636.2	4171648.9	Worker	Scenario 3	9.03E-02	1.98E-04	9.97E-04
9577	637736.2	4171648.9	Worker	Scenario 3	9.32E-02	2.04E-04	9.26E-04
9578	637836.2	4171648.9	Worker	Scenario 3	9.61E-02	2.10E-04	1.05E-03
9579	637936.2	4171648.9	Worker	Scenario 3	9.89E-02	2.16E-04	1.32E-03
9580	638036.2	4171648.9	Worker	Scenario 3	1.02E-01	2.22E-04	1.52E-03
9581	638136.2	4171648.9	Worker	Scenario 3	9.97E-02	2.18E-04	1.43E-03
9582	638236.2	4171648.9	Worker	Scenario 3	1.02E-01	2.23E-04	1.30E-03
9583	638336.2	4171648.9	Worker	Scenario 3	1.09E-01	2.37E-04	1.13E-03
9584	638436.2	4171648.9	Worker	Scenario 3	1.11E-01	2.42E-04	1.08E-03
9585	638536.2	4171648.9	Worker	Scenario 3	1.07E-01	2.35E-04	1.00E-03
9586	638636.2	4171648.9	Worker	Scenario 3	1.11E-01	2.42E-04	1.06E-03
9587	638736.2	4171648.9	Worker	Scenario 3	1.12E-01	2.45E-04	1.06E-03
9588	638836.2	4171648.9	Worker	Scenario 3	1.19E-01	2.60E-04	1.11E-03
9589	638936.2	4171648.9	Worker	Scenario 3	1.21E-01	2.64E-04	1.17E-03
9590	639036.2	4171648.9	Worker	Scenario 3	1.23E-01	2.68E-04	1.36E-03
9591	639136.2	4171648.9	Worker	Scenario 3	1.25E-01	2.73E-04	1.38E-03
9592	639236.2	4171648.9	Worker	Scenario 3	1.26E-01	2.77E-04	1.38E-03
9593	639336.2	4171648.9	Worker	Scenario 3	1.28E-01	2.79E-04	1.42E-03
9594	639436.2	4171648.9	Worker	Scenario 3	1.29E-01	2.83E-04	1.44E-03
9595	639536.2	4171648.9	Worker	Scenario 3	1.31E-01	2.85E-04	1.39E-03
9596	639636.2	4171648.9	Worker	Scenario 3	1.32E-01	2.88E-04	1.48E-03
9597	639736.2	4171648.9	Worker	Scenario 3	1.33E-01	2.90E-04	1.48E-03
9598	639836.2	4171648.9	Worker	Scenario 3	1.34E-01	2.92E-04	1.35E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9599	639936.2	4171648.9	Worker	Scenario 3	1.35E-01	2.95E-04	1.48E-03
9600	640036.2	4171648.9	Worker	Scenario 3	1.36E-01	2.98E-04	1.49E-03
9601	640136.2	4171648.9	Worker	Scenario 3	1.38E-01	3.01E-04	1.53E-03
9602	640236.2	4171648.9	Worker	Scenario 3	1.39E-01	3.04E-04	1.55E-03
9603	640336.2	4171648.9	Worker	Scenario 3	1.40E-01	3.07E-04	1.57E-03
9604	640436.2	4171648.9	Worker	Scenario 3	1.40E-01	3.09E-04	1.60E-03
9605	640536.2	4171648.9	Worker	Scenario 3	1.41E-01	3.10E-04	1.57E-03
9606	640636.2	4171648.9	Worker	Scenario 3	1.42E-01	3.11E-04	1.58E-03
9607	640736.2	4171648.9	Worker	Scenario 3	1.42E-01	3.11E-04	1.54E-03
9608	640836.2	4171648.9	Worker	Scenario 3	1.42E-01	3.11E-04	1.66E-03
9609	640936.2	4171648.9	Worker	Scenario 3	1.41E-01	3.10E-04	1.79E-03
9610	641036.2	4171648.9	Worker	Scenario 3	1.41E-01	3.08E-04	1.68E-03
9611	641136.2	4171648.9	Worker	Scenario 3	1.40E-01	3.06E-04	1.58E-03
9612	641236.2	4171648.9	Worker	Scenario 3	1.39E-01	3.05E-04	1.52E-03
9613	641336.2	4171648.9	Worker	Scenario 3	1.39E-01	3.04E-04	1.59E-03
9614	641436.2	4171648.9	Worker	Scenario 3	1.38E-01	3.03E-04	1.63E-03
9615	641536.2	4171648.9	Worker	Scenario 3	1.37E-01	3.02E-04	1.64E-03
9616	641636.2	4171648.9	Worker	Scenario 3	1.37E-01	3.01E-04	1.63E-03
9617	641736.2	4171648.9	Worker	Scenario 3	1.37E-01	3.00E-04	1.61E-03
9618	641836.2	4171648.9	Worker	Scenario 3	1.36E-01	2.99E-04	1.62E-03
9619	641936.2	4171648.9	Worker	Scenario 3	1.36E-01	2.98E-04	1.61E-03
9620	642036.2	4171648.9	Worker	Scenario 3	1.35E-01	2.97E-04	1.59E-03
9621	642136.2	4171648.9	Worker	Scenario 3	1.34E-01	2.95E-04	1.46E-03
9622	642236.2	4171648.9	Worker	Scenario 3	1.33E-01	2.92E-04	1.59E-03
9623	642336.2	4171648.9	Worker	Scenario 3	1.32E-01	2.89E-04	1.68E-03
9624	636336.2	4171748.9	Worker	Scenario 3	5.72E-02	1.26E-04	7.45E-04
9625	636536.2	4171748.9	Worker	Scenario 3	6.25E-02	1.37E-04	7.73E-04
9626	636636.2	4171748.9	Worker	Scenario 3	6.46E-02	1.42E-04	7.79E-04
9627	636736.2	4171748.9	Worker	Scenario 3	6.67E-02	1.47E-04	7.45E-04
9628	636836.2	4171748.9	Worker	Scenario 3	6.90E-02	1.52E-04	8.05E-04
9629	636936.2	4171748.9	Worker	Scenario 3	7.11E-02	1.56E-04	8.23E-04
9630	637036.2	4171748.9	Worker	Scenario 3	7.32E-02	1.61E-04	8.36E-04
9631	637136.2	4171748.9	Worker	Scenario 3	7.59E-02	1.67E-04	9.15E-04
9632	637336.2	4171748.9	Worker	Scenario 3	8.06E-02	1.77E-04	1.10E-03
9633	637436.2	4171748.9	Worker	Scenario 3	8.29E-02	1.82E-04	1.09E-03
9634	637536.2	4171748.9	Worker	Scenario 3	8.56E-02	1.88E-04	9.91E-04
9635	637636.2	4171748.9	Worker	Scenario 3	8.82E-02	1.93E-04	8.84E-04
9636	637736.2	4171748.9	Worker	Scenario 3	9.08E-02	1.99E-04	9.99E-04
9637	637836.2	4171748.9	Worker	Scenario 3	9.36E-02	2.05E-04	1.25E-03
9638	637936.2	4171748.9	Worker	Scenario 3	9.63E-02	2.11E-04	1.46E-03
9639	638036.2	4171748.9	Worker	Scenario 3	9.88E-02	2.16E-04	1.54E-03
9640	638136.2	4171748.9	Worker	Scenario 3	9.66E-02	2.11E-04	1.31E-03
9641	638236.2	4171748.9	Worker	Scenario 3	9.90E-02	2.17E-04	1.09E-03
9642	638336.2	4171748.9	Worker	Scenario 3	1.01E-01	2.21E-04	9.90E-04
9643	638436.2	4171748.9	Worker	Scenario 3	1.07E-01	2.34E-04	1.04E-03
9644	638536.2	4171748.9	Worker	Scenario 3	1.07E-01	2.34E-04	1.02E-03
9645	638636.2	4171748.9	Worker	Scenario 3	1.07E-01	2.34E-04	1.04E-03
9646	638736.2	4171748.9	Worker	Scenario 3	1.09E-01	2.37E-04	1.04E-03
9647	638836.2	4171748.9	Worker	Scenario 3	1.15E-01	2.52E-04	1.04E-03
9648	638936.2	4171748.9	Worker	Scenario 3	1.15E-01	2.51E-04	1.23E-03
9649	639036.2	4171748.9	Worker	Scenario 3	1.15E-01	2.52E-04	1.30E-03
9650	639136.2	4171748.9	Worker	Scenario 3	1.17E-01	2.57E-04	1.32E-03
9651	639236.2	4171748.9	Worker	Scenario 3	1.17E-01	2.56E-04	1.25E-03
9652	639336.2	4171748.9	Worker	Scenario 3	1.23E-01	2.69E-04	1.38E-03
9653	639436.2	4171748.9	Worker	Scenario 3	1.24E-01	2.70E-04	1.39E-03
9654	639536.2	4171748.9	Worker	Scenario 3	1.25E-01	2.73E-04	1.37E-03
9655	639636.2	4171748.9	Worker	Scenario 3	1.27E-01	2.76E-04	1.42E-03
9656	639736.2	4171748.9	Worker	Scenario 3	1.28E-01	2.79E-04	1.41E-03
9657	639836.2	4171748.9	Worker	Scenario 3	1.28E-01	2.80E-04	1.28E-03
9658	639936.2	4171748.9	Worker	Scenario 3	1.29E-01	2.83E-04	1.46E-03
9659	640036.2	4171748.9	Worker	Scenario 3	1.30E-01	2.85E-04	1.37E-03
9660	640136.2	4171748.9	Worker	Scenario 3	1.31E-01	2.87E-04	1.47E-03
9661	640236.2	4171748.9	Worker	Scenario 3	1.31E-01	2.88E-04	1.46E-03
9662	640336.2	4171748.9	Worker	Scenario 3	1.32E-01	2.91E-04	1.52E-03
9663	640436.2	4171748.9	Worker	Scenario 3	1.35E-01	2.97E-04	1.53E-03
9664	640536.2	4171748.9	Worker	Scenario 3	1.36E-01	2.98E-04	1.53E-03
9665	640636.2	4171748.9	Worker	Scenario 3	1.36E-01	2.99E-04	1.52E-03
9666	640736.2	4171748.9	Worker	Scenario 3	1.36E-01	2.99E-04	1.52E-03
9667	640836.2	4171748.9	Worker	Scenario 3	1.36E-01	2.99E-04	1.66E-03
9668	640936.2	4171748.9	Worker	Scenario 3	1.36E-01	2.97E-04	1.75E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9669	641036.2	4171748.9	Worker	Scenario 3	1.35E-01	2.95E-04	1.63E-03
9670	641136.2	4171748.9	Worker	Scenario 3	1.34E-01	2.94E-04	1.54E-03
9671	641236.2	4171748.9	Worker	Scenario 3	1.33E-01	2.93E-04	1.46E-03
9672	641336.2	4171748.9	Worker	Scenario 3	1.33E-01	2.92E-04	1.54E-03
9673	641436.2	4171748.9	Worker	Scenario 3	1.33E-01	2.91E-04	1.58E-03
9674	641536.2	4171748.9	Worker	Scenario 3	1.32E-01	2.90E-04	1.59E-03
9675	641636.2	4171748.9	Worker	Scenario 3	1.32E-01	2.90E-04	1.59E-03
9676	641736.2	4171748.9	Worker	Scenario 3	1.32E-01	2.89E-04	1.56E-03
9677	641836.2	4171748.9	Worker	Scenario 3	1.31E-01	2.88E-04	1.57E-03
9678	641936.2	4171748.9	Worker	Scenario 3	1.31E-01	2.87E-04	1.57E-03
9679	642036.2	4171748.9	Worker	Scenario 3	1.30E-01	2.86E-04	1.55E-03
9680	636536.2	4171848.9	Worker	Scenario 3	6.20E-02	1.36E-04	7.53E-04
9681	636636.2	4171848.9	Worker	Scenario 3	6.39E-02	1.41E-04	7.24E-04
9682	636736.2	4171848.9	Worker	Scenario 3	6.56E-02	1.44E-04	7.76E-04
9683	636836.2	4171848.9	Worker	Scenario 3	6.77E-02	1.49E-04	7.94E-04
9684	636936.2	4171848.9	Worker	Scenario 3	7.03E-02	1.55E-04	8.15E-04
9685	637036.2	4171848.9	Worker	Scenario 3	7.22E-02	1.59E-04	9.04E-04
9686	637236.2	4171848.9	Worker	Scenario 3	7.67E-02	1.69E-04	1.08E-03
9687	637336.2	4171848.9	Worker	Scenario 3	7.91E-02	1.74E-04	1.07E-03
9688	637436.2	4171848.9	Worker	Scenario 3	8.14E-02	1.79E-04	9.81E-04
9689	637536.2	4171848.9	Worker	Scenario 3	8.38E-02	1.84E-04	8.53E-04
9690	637636.2	4171848.9	Worker	Scenario 3	8.62E-02	1.89E-04	9.51E-04
9691	637736.2	4171848.9	Worker	Scenario 3	8.88E-02	1.94E-04	1.17E-03
9692	637836.2	4171848.9	Worker	Scenario 3	9.14E-02	2.00E-04	1.40E-03
9693	637936.2	4171848.9	Worker	Scenario 3	9.37E-02	2.05E-04	1.50E-03
9694	638036.2	4171848.9	Worker	Scenario 3	9.60E-02	2.10E-04	1.44E-03
9695	638136.2	4171848.9	Worker	Scenario 3	9.38E-02	2.05E-04	1.13E-03
9696	638236.2	4171848.9	Worker	Scenario 3	9.64E-02	2.11E-04	9.76E-04
9697	638336.2	4171848.9	Worker	Scenario 3	9.89E-02	2.16E-04	9.83E-04
9698	638436.2	4171848.9	Worker	Scenario 3	1.01E-01	2.20E-04	9.45E-04
9699	638536.2	4171848.9	Worker	Scenario 3	1.05E-01	2.30E-04	1.04E-03
9700	638636.2	4171848.9	Worker	Scenario 3	1.05E-01	2.30E-04	1.03E-03
9701	638736.2	4171848.9	Worker	Scenario 3	1.06E-01	2.32E-04	9.89E-04
9702	638836.2	4171848.9	Worker	Scenario 3	1.12E-01	2.44E-04	1.14E-03
9703	638936.2	4171848.9	Worker	Scenario 3	1.12E-01	2.45E-04	1.27E-03
9704	639036.2	4171848.9	Worker	Scenario 3	1.12E-01	2.46E-04	1.27E-03
9705	639136.2	4171848.9	Worker	Scenario 3	1.13E-01	2.48E-04	1.25E-03
9706	639236.2	4171848.9	Worker	Scenario 3	1.14E-01	2.49E-04	1.28E-03
9707	639336.2	4171848.9	Worker	Scenario 3	1.17E-01	2.57E-04	1.33E-03
9708	639436.2	4171848.9	Worker	Scenario 3	1.19E-01	2.59E-04	1.30E-03
9709	639536.2	4171848.9	Worker	Scenario 3	1.20E-01	2.62E-04	1.37E-03
9710	639636.2	4171848.9	Worker	Scenario 3	1.22E-01	2.66E-04	1.39E-03
9711	639736.2	4171848.9	Worker	Scenario 3	1.23E-01	2.69E-04	1.31E-03
9712	639836.2	4171848.9	Worker	Scenario 3	1.20E-01	2.63E-04	1.29E-03
9713	639936.2	4171848.9	Worker	Scenario 3	1.21E-01	2.65E-04	1.37E-03
9714	640036.2	4171848.9	Worker	Scenario 3	1.22E-01	2.68E-04	1.35E-03
9715	640136.2	4171848.9	Worker	Scenario 3	1.23E-01	2.71E-04	1.38E-03
9716	640236.2	4171848.9	Worker	Scenario 3	1.25E-01	2.74E-04	1.40E-03
9717	640336.2	4171848.9	Worker	Scenario 3	1.26E-01	2.76E-04	1.47E-03
9718	640436.2	4171848.9	Worker	Scenario 3	1.30E-01	2.86E-04	1.48E-03
9719	640536.2	4171848.9	Worker	Scenario 3	1.31E-01	2.87E-04	1.47E-03
9720	640636.2	4171848.9	Worker	Scenario 3	1.31E-01	2.88E-04	1.46E-03
9721	640736.2	4171848.9	Worker	Scenario 3	1.31E-01	2.88E-04	1.49E-03
9722	640836.2	4171848.9	Worker	Scenario 3	1.31E-01	2.87E-04	1.66E-03
9723	640936.2	4171848.9	Worker	Scenario 3	1.30E-01	2.86E-04	1.72E-03
9724	641036.2	4171848.9	Worker	Scenario 3	1.30E-01	2.84E-04	1.58E-03
9725	641136.2	4171848.9	Worker	Scenario 3	1.29E-01	2.82E-04	1.50E-03
9726	641236.2	4171848.9	Worker	Scenario 3	1.28E-01	2.81E-04	1.41E-03
9727	641336.2	4171848.9	Worker	Scenario 3	1.28E-01	2.80E-04	1.49E-03
9728	641436.2	4171848.9	Worker	Scenario 3	1.27E-01	2.80E-04	1.53E-03
9729	641536.2	4171848.9	Worker	Scenario 3	1.27E-01	2.79E-04	1.54E-03
9730	641636.2	4171848.9	Worker	Scenario 3	1.27E-01	2.79E-04	1.54E-03
9731	636536.2	4171948.9	Worker	Scenario 3	6.13E-02	1.35E-04	7.05E-04
9732	636636.2	4171948.9	Worker	Scenario 3	6.29E-02	1.39E-04	7.54E-04
9733	636736.2	4171948.9	Worker	Scenario 3	6.46E-02	1.42E-04	7.66E-04
9734	636836.2	4171948.9	Worker	Scenario 3	6.69E-02	1.47E-04	7.86E-04
9735	636936.2	4171948.9	Worker	Scenario 3	6.89E-02	1.52E-04	8.84E-04
9736	637236.2	4171948.9	Worker	Scenario 3	7.54E-02	1.66E-04	1.05E-03
9737	637336.2	4171948.9	Worker	Scenario 3	7.76E-02	1.71E-04	9.74E-04
9738	637436.2	4171948.9	Worker	Scenario 3	7.98E-02	1.75E-04	8.42E-04

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9739	637536.2	4171948.9	Worker	Scenario 3	8.21E-02	1.80E-04	9.09E-04
9740	637636.2	4171948.9	Worker	Scenario 3	8.44E-02	1.85E-04	1.10E-03
9741	637736.2	4171948.9	Worker	Scenario 3	8.68E-02	1.90E-04	1.34E-03
9742	637836.2	4171948.9	Worker	Scenario 3	8.91E-02	1.95E-04	1.47E-03
9743	637936.2	4171948.9	Worker	Scenario 3	9.12E-02	2.00E-04	1.45E-03
9744	638136.2	4171948.9	Worker	Scenario 3	9.13E-02	2.00E-04	9.61E-04
9745	638236.2	4171948.9	Worker	Scenario 3	9.36E-02	2.05E-04	9.46E-04
9746	638336.2	4171948.9	Worker	Scenario 3	9.61E-02	2.10E-04	9.26E-04
9747	638436.2	4171948.9	Worker	Scenario 3	9.82E-02	2.15E-04	9.76E-04
9748	638536.2	4171948.9	Worker	Scenario 3	9.93E-02	2.17E-04	9.71E-04
9749	638636.2	4171948.9	Worker	Scenario 3	1.03E-01	2.24E-04	9.96E-04
9750	638736.2	4171948.9	Worker	Scenario 3	1.04E-01	2.28E-04	9.89E-04
9751	638836.2	4171948.9	Worker	Scenario 3	1.08E-01	2.36E-04	1.20E-03
9752	638936.2	4171948.9	Worker	Scenario 3	1.06E-01	2.33E-04	1.22E-03
9753	639036.2	4171948.9	Worker	Scenario 3	1.06E-01	2.32E-04	1.21E-03
9754	639136.2	4171948.9	Worker	Scenario 3	1.07E-01	2.35E-04	1.16E-03
9755	639236.2	4171948.9	Worker	Scenario 3	1.10E-01	2.41E-04	1.26E-03
9756	639336.2	4171948.9	Worker	Scenario 3	1.13E-01	2.47E-04	1.30E-03
9757	639436.2	4171948.9	Worker	Scenario 3	1.14E-01	2.50E-04	1.26E-03
9758	639536.2	4171948.9	Worker	Scenario 3	1.15E-01	2.52E-04	1.33E-03
9759	639636.2	4171948.9	Worker	Scenario 3	1.18E-01	2.57E-04	1.35E-03
9760	639736.2	4171948.9	Worker	Scenario 3	1.19E-01	2.59E-04	1.19E-03
9761	639836.2	4171948.9	Worker	Scenario 3	1.16E-01	2.54E-04	1.31E-03
9762	639936.2	4171948.9	Worker	Scenario 3	1.17E-01	2.56E-04	1.31E-03
9763	640036.2	4171948.9	Worker	Scenario 3	1.18E-01	2.59E-04	1.35E-03
9764	640136.2	4171948.9	Worker	Scenario 3	1.19E-01	2.62E-04	1.36E-03
9765	640236.2	4171948.9	Worker	Scenario 3	1.20E-01	2.64E-04	1.38E-03
9766	640336.2	4171948.9	Worker	Scenario 3	1.21E-01	2.67E-04	1.42E-03
9767	636736.2	4172048.9	Worker	Scenario 3	6.43E-02	1.42E-04	7.80E-04
9768	636836.2	4172048.9	Worker	Scenario 3	6.66E-02	1.47E-04	8.41E-04
9769	637236.2	4172048.9	Worker	Scenario 3	7.42E-02	1.63E-04	9.62E-04
9770	637336.2	4172048.9	Worker	Scenario 3	7.62E-02	1.67E-04	8.40E-04
9771	637436.2	4172048.9	Worker	Scenario 3	7.82E-02	1.72E-04	8.68E-04
9772	637536.2	4172048.9	Worker	Scenario 3	8.04E-02	1.76E-04	1.03E-03
9773	637636.2	4172048.9	Worker	Scenario 3	8.26E-02	1.81E-04	1.28E-03
9774	637736.2	4172048.9	Worker	Scenario 3	8.47E-02	1.86E-04	1.43E-03
9775	637836.2	4172048.9	Worker	Scenario 3	8.68E-02	1.90E-04	1.44E-03
9776	637936.2	4172048.9	Worker	Scenario 3	8.88E-02	1.95E-04	1.30E-03
9777	638136.2	4172048.9	Worker	Scenario 3	8.88E-02	1.95E-04	9.05E-04
9778	638236.2	4172048.9	Worker	Scenario 3	9.09E-02	1.99E-04	9.09E-04
9779	638336.2	4172048.9	Worker	Scenario 3	9.33E-02	2.04E-04	9.21E-04
9780	638436.2	4172048.9	Worker	Scenario 3	9.52E-02	2.08E-04	9.57E-04
9781	638536.2	4172048.9	Worker	Scenario 3	9.68E-02	2.12E-04	9.63E-04
9782	638636.2	4172048.9	Worker	Scenario 3	9.84E-02	2.15E-04	9.22E-04
9783	638736.2	4172048.9	Worker	Scenario 3	1.00E-01	2.19E-04	1.07E-03
9784	638836.2	4172048.9	Worker	Scenario 3	1.04E-01	2.28E-04	1.22E-03
9785	638936.2	4172048.9	Worker	Scenario 3	1.00E-01	2.20E-04	1.15E-03
9786	639036.2	4172048.9	Worker	Scenario 3	1.05E-01	2.30E-04	1.17E-03
9787	639136.2	4172048.9	Worker	Scenario 3	1.04E-01	2.27E-04	1.19E-03
9788	639236.2	4172048.9	Worker	Scenario 3	1.10E-01	2.40E-04	1.26E-03
9789	639336.2	4172048.9	Worker	Scenario 3	1.09E-01	2.39E-04	1.23E-03
9790	639436.2	4172048.9	Worker	Scenario 3	1.10E-01	2.41E-04	1.27E-03
9791	639536.2	4172048.9	Worker	Scenario 3	1.11E-01	2.43E-04	1.28E-03
9792	639636.2	4172048.9	Worker	Scenario 3	1.14E-01	2.48E-04	1.27E-03
9793	639736.2	4172048.9	Worker	Scenario 3	1.14E-01	2.50E-04	1.20E-03
9794	639836.2	4172048.9	Worker	Scenario 3	1.12E-01	2.45E-04	1.29E-03
9795	639936.2	4172048.9	Worker	Scenario 3	1.13E-01	2.48E-04	1.22E-03
9796	640036.2	4172048.9	Worker	Scenario 3	1.14E-01	2.50E-04	1.32E-03
9797	640136.2	4172048.9	Worker	Scenario 3	1.15E-01	2.53E-04	1.32E-03
9798	637136.2	4172148.9	Worker	Scenario 3	7.11E-02	1.56E-04	9.50E-04
9799	637236.2	4172148.9	Worker	Scenario 3	7.30E-02	1.60E-04	8.35E-04
9800	637336.2	4172148.9	Worker	Scenario 3	7.47E-02	1.64E-04	8.30E-04
9801	637436.2	4172148.9	Worker	Scenario 3	7.68E-02	1.69E-04	9.65E-04
9802	637536.2	4172148.9	Worker	Scenario 3	7.88E-02	1.73E-04	1.21E-03
9803	637636.2	4172148.9	Worker	Scenario 3	8.08E-02	1.77E-04	1.39E-03
9804	637736.2	4172148.9	Worker	Scenario 3	8.28E-02	1.82E-04	1.43E-03
9805	637836.2	4172148.9	Worker	Scenario 3	8.46E-02	1.85E-04	1.32E-03
9806	637936.2	4172148.9	Worker	Scenario 3	8.65E-02	1.90E-04	1.10E-03
9807	638136.2	4172148.9	Worker	Scenario 3	8.62E-02	1.89E-04	8.85E-04
9808	638236.2	4172148.9	Worker	Scenario 3	8.83E-02	1.93E-04	8.57E-04

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9809	638336.2	4172148.9	Worker	Scenario 3	9.04E-02	1.98E-04	9.23E-04
9810	638436.2	4172148.9	Worker	Scenario 3	9.25E-02	2.03E-04	9.29E-04
9811	638536.2	4172148.9	Worker	Scenario 3	9.43E-02	2.07E-04	9.22E-04
9812	638636.2	4172148.9	Worker	Scenario 3	9.59E-02	2.10E-04	9.58E-04
9813	638736.2	4172148.9	Worker	Scenario 3	9.78E-02	2.14E-04	1.12E-03
9814	638836.2	4172148.9	Worker	Scenario 3	1.00E-01	2.20E-04	1.17E-03
9815	638936.2	4172148.9	Worker	Scenario 3	1.02E-01	2.24E-04	1.20E-03
9816	639036.2	4172148.9	Worker	Scenario 3	9.93E-02	2.18E-04	1.10E-03
9817	639136.2	4172148.9	Worker	Scenario 3	1.04E-01	2.27E-04	1.21E-03
9818	639236.2	4172148.9	Worker	Scenario 3	1.04E-01	2.29E-04	1.22E-03
9819	639336.2	4172148.9	Worker	Scenario 3	1.05E-01	2.30E-04	1.16E-03
9820	639436.2	4172148.9	Worker	Scenario 3	1.06E-01	2.32E-04	1.25E-03
9821	639536.2	4172148.9	Worker	Scenario 3	1.07E-01	2.34E-04	1.25E-03
9822	639636.2	4172148.9	Worker	Scenario 3	1.10E-01	2.40E-04	1.17E-03
9823	639736.2	4172148.9	Worker	Scenario 3	1.10E-01	2.42E-04	1.24E-03
9824	639836.2	4172148.9	Worker	Scenario 3	1.08E-01	2.37E-04	1.26E-03
9825	639936.2	4172148.9	Worker	Scenario 3	1.09E-01	2.40E-04	1.23E-03
9826	640036.2	4172148.9	Worker	Scenario 3	1.10E-01	2.42E-04	1.27E-03
9827	637036.2	4172248.9	Worker	Scenario 3	6.80E-02	1.50E-04	9.46E-04
9828	637136.2	4172248.9	Worker	Scenario 3	6.98E-02	1.54E-04	8.34E-04
9829	637236.2	4172248.9	Worker	Scenario 3	7.15E-02	1.57E-04	7.88E-04
9830	637336.2	4172248.9	Worker	Scenario 3	7.33E-02	1.61E-04	9.02E-04
9831	637436.2	4172248.9	Worker	Scenario 3	7.51E-02	1.65E-04	1.14E-03
9832	637536.2	4172248.9	Worker	Scenario 3	7.71E-02	1.69E-04	1.34E-03
9833	637636.2	4172248.9	Worker	Scenario 3	7.89E-02	1.73E-04	1.41E-03
9834	637736.2	4172248.9	Worker	Scenario 3	8.08E-02	1.77E-04	1.34E-03
9835	637836.2	4172248.9	Worker	Scenario 3	8.25E-02	1.81E-04	1.14E-03
9836	637936.2	4172248.9	Worker	Scenario 3	8.42E-02	1.85E-04	9.22E-04
9837	638136.2	4172248.9	Worker	Scenario 3	8.40E-02	1.84E-04	8.31E-04
9838	638236.2	4172248.9	Worker	Scenario 3	8.60E-02	1.89E-04	8.81E-04
9839	638336.2	4172248.9	Worker	Scenario 3	8.79E-02	1.93E-04	8.91E-04
9840	638436.2	4172248.9	Worker	Scenario 3	8.99E-02	1.97E-04	9.07E-04
9841	638536.2	4172248.9	Worker	Scenario 3	9.18E-02	2.01E-04	8.65E-04
9842	638636.2	4172248.9	Worker	Scenario 3	9.48E-02	2.08E-04	1.05E-03
9843	638736.2	4172248.9	Worker	Scenario 3	9.44E-02	2.07E-04	1.12E-03
9844	638836.2	4172248.9	Worker	Scenario 3	9.59E-02	2.10E-04	1.13E-03
9845	638936.2	4172248.9	Worker	Scenario 3	9.79E-02	2.15E-04	1.11E-03
9846	639036.2	4172248.9	Worker	Scenario 3	1.00E-01	2.20E-04	1.18E-03
9847	639136.2	4172248.9	Worker	Scenario 3	1.01E-01	2.22E-04	1.18E-03
9848	639236.2	4172248.9	Worker	Scenario 3	1.02E-01	2.24E-04	1.18E-03
9849	639336.2	4172248.9	Worker	Scenario 3	1.03E-01	2.25E-04	1.20E-03
9850	639436.2	4172248.9	Worker	Scenario 3	1.04E-01	2.27E-04	1.21E-03
9851	639536.2	4172248.9	Worker	Scenario 3	1.04E-01	2.28E-04	1.21E-03
9852	639736.2	4172248.9	Worker	Scenario 3	1.06E-01	2.33E-04	1.24E-03
9853	639836.2	4172248.9	Worker	Scenario 3	1.05E-01	2.30E-04	1.20E-03
9854	637236.2	4172348.9	Worker	Scenario 3	7.01E-02	1.54E-04	8.56E-04
9855	637336.2	4172348.9	Worker	Scenario 3	7.19E-02	1.58E-04	1.08E-03
9856	637436.2	4172348.9	Worker	Scenario 3	7.36E-02	1.62E-04	1.28E-03
9857	637536.2	4172348.9	Worker	Scenario 3	7.54E-02	1.66E-04	1.38E-03
9858	637636.2	4172348.9	Worker	Scenario 3	7.72E-02	1.69E-04	1.34E-03
9859	637736.2	4172348.9	Worker	Scenario 3	7.89E-02	1.73E-04	1.18E-03
9860	637836.2	4172348.9	Worker	Scenario 3	8.05E-02	1.77E-04	9.40E-04
9861	637936.2	4172348.9	Worker	Scenario 3	8.21E-02	1.80E-04	8.69E-04
9862	638136.2	4172348.9	Worker	Scenario 3	8.09E-02	1.78E-04	8.20E-04
9863	638236.2	4172348.9	Worker	Scenario 3	8.41E-02	1.84E-04	8.72E-04
9864	638336.2	4172348.9	Worker	Scenario 3	8.56E-02	1.88E-04	8.78E-04
9865	638436.2	4172348.9	Worker	Scenario 3	8.65E-02	1.90E-04	8.45E-04
9866	638536.2	4172348.9	Worker	Scenario 3	9.06E-02	1.99E-04	9.52E-04
9867	638636.2	4172348.9	Worker	Scenario 3	9.02E-02	1.98E-04	1.06E-03
9868	638736.2	4172348.9	Worker	Scenario 3	9.16E-02	2.01E-04	1.08E-03
9869	638836.2	4172348.9	Worker	Scenario 3	9.29E-02	2.04E-04	1.10E-03
9870	638936.2	4172348.9	Worker	Scenario 3	9.51E-02	2.09E-04	1.08E-03
9871	639036.2	4172348.9	Worker	Scenario 3	9.71E-02	2.13E-04	1.16E-03
9872	639136.2	4172348.9	Worker	Scenario 3	9.83E-02	2.16E-04	1.17E-03
9873	639236.2	4172348.9	Worker	Scenario 3	9.95E-02	2.18E-04	1.11E-03
9874	639336.2	4172348.9	Worker	Scenario 3	9.93E-02	2.17E-04	1.19E-03
9875	639436.2	4172348.9	Worker	Scenario 3	9.95E-02	2.18E-04	1.18E-03
9876	639536.2	4172348.9	Worker	Scenario 3	1.00E-01	2.20E-04	1.13E-03
9877	637636.2	4172448.9	Worker	Scenario 3	7.53E-02	1.65E-04	1.20E-03
9878	637736.2	4172448.9	Worker	Scenario 3	7.70E-02	1.69E-04	9.81E-04

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9879	637836.2	4172448.9	Worker	Scenario 3	7.85E-02	1.72E-04	8.51E-04
9880	637936.2	4172448.9	Worker	Scenario 3	8.00E-02	1.75E-04	8.42E-04
9881	638136.2	4172448.9	Worker	Scenario 3	7.80E-02	1.71E-04	8.17E-04
9882	638236.2	4172448.9	Worker	Scenario 3	7.97E-02	1.75E-04	8.18E-04
9883	638336.2	4172448.9	Worker	Scenario 3	8.19E-02	1.80E-04	8.30E-04
9884	638436.2	4172448.9	Worker	Scenario 3	8.68E-02	1.90E-04	8.48E-04
9885	638536.2	4172448.9	Worker	Scenario 3	8.65E-02	1.90E-04	9.91E-04
9886	638636.2	4172448.9	Worker	Scenario 3	8.78E-02	1.93E-04	1.06E-03
9887	638736.2	4172448.9	Worker	Scenario 3	8.92E-02	1.96E-04	1.07E-03
9888	638836.2	4172448.9	Worker	Scenario 3	9.06E-02	1.99E-04	1.04E-03
9889	638936.2	4172448.9	Worker	Scenario 3	9.20E-02	2.02E-04	1.10E-03
9890	639036.2	4172448.9	Worker	Scenario 3	9.37E-02	2.06E-04	1.11E-03
9891	639136.2	4172448.9	Worker	Scenario 3	9.51E-02	2.09E-04	1.13E-03
9892	639236.2	4172448.9	Worker	Scenario 3	9.61E-02	2.11E-04	1.13E-03
9893	639336.2	4172448.9	Worker	Scenario 3	9.67E-02	2.12E-04	1.16E-03
9894	639657.4	4168449.3	Resident	Scenario 3	1.20E+01	2.25E-03	3.92E-03
9895	639682.4	4168449.8	Resident	Scenario 3	1.42E+01	2.66E-03	3.89E-03
9896	639707.4	4168450.2	Resident	Scenario 3	1.97E+01	3.65E-03	3.82E-03
9897	639719.4	4168437.2	Resident	Scenario 3	1.88E+01	3.49E-03	3.92E-03
9898	639719.8	4168412.2	Resident	Scenario 3	1.78E+01	3.31E-03	4.11E-03
9899	639720.3	4168387.2	Resident	Scenario 3	1.72E+01	3.21E-03	4.20E-03
9900	639720.7	4168362.2	Resident	Scenario 3	1.82E+01	3.39E-03	4.19E-03
9901	639721.2	4168337.2	Resident	Scenario 3	1.64E+01	3.06E-03	4.07E-03
9902	639721.6	4168312.2	Resident	Scenario 3	1.31E+01	2.46E-03	3.85E-03
9903	639722.1	4168287.2	Resident	Scenario 3	1.01E+01	1.90E-03	3.81E-03
9904	639722.5	4168262.2	Resident	Scenario 3	8.20E+00	1.56E-03	4.06E-03
9905	641271.3	4168602.3	Resident	Scenario 3	2.76E+01	5.23E-03	8.68E-03
9906	641272.0	4168577.4	Resident	Scenario 3	2.77E+01	5.24E-03	8.92E-03
9907	641272.7	4168552.4	Resident	Scenario 3	2.79E+01	5.29E-03	9.16E-03
9908	641273.4	4168527.4	Resident	Scenario 3	2.82E+01	5.35E-03	9.39E-03
9909	641274.1	4168502.4	Resident	Scenario 3	2.85E+01	5.42E-03	9.63E-03
9910	641288.1	4168491.5	Resident	Scenario 3	3.03E+01	5.76E-03	9.88E-03
9911	641313.1	4168492.2	Resident	Scenario 3	3.52E+01	6.65E-03	9.46E-03
9912	641329.9	4168500.8	Resident	Scenario 3	4.13E+01	7.75E-03	9.62E-03
9913	641329.4	4168525.7	Resident	Scenario 3	4.10E+01	7.69E-03	9.39E-03
9914	641328.8	4168550.7	Resident	Scenario 3	4.01E+01	7.53E-03	9.17E-03
9915	641328.3	4168575.7	Resident	Scenario 3	3.89E+01	7.30E-03	8.94E-03
9916	641327.8	4168600.7	Resident	Scenario 3	3.75E+01	7.03E-03	8.73E-03
9917	641327.3	4168625.7	Resident	Scenario 3	3.58E+01	6.71E-03	8.52E-03
9918	644628.2	4167344.9	Resident	Scenario 3	8.92E+00	1.76E-03	2.29E-03
9919	644603.2	4167344.6	Resident	Scenario 3	9.12E+00	1.80E-03	2.32E-03
9920	644595.5	4167361.9	Resident	Scenario 3	9.12E+00	1.80E-03	2.30E-03
9921	644608.1	4167373.7	Resident	Scenario 3	9.00E+00	1.78E-03	2.26E-03
9922	644633.0	4167372.9	Resident	Scenario 3	8.82E+00	1.74E-03	2.23E-03
9923	644644.0	4167386.8	Resident	Scenario 3	8.72E+00	1.72E-03	2.18E-03
9924	644641.0	4167411.5	Resident	Scenario 3	8.71E+00	1.72E-03	2.10E-03
9925	644572.2	4167547.1	Resident	Scenario 3	8.91E+00	1.76E-03	2.32E-03
9926	644564.9	4167529.8	Resident	Scenario 3	9.01E+00	1.78E-03	2.24E-03
9927	644585.7	4167544.7	Resident	Scenario 3	8.83E+00	1.74E-03	2.29E-03
9928	644607.0	4167541.3	Resident	Scenario 3	8.69E+00	1.71E-03	2.24E-03
9929	644631.9	4167541.8	Resident	Scenario 3	8.53E+00	1.68E-03	2.21E-03
9930	644656.9	4167542.4	Resident	Scenario 3	8.37E+00	1.65E-03	2.18E-03
9931	644681.9	4167543.0	Resident	Scenario 3	8.21E+00	1.62E-03	2.15E-03
9932	643875.3	4167591.4	Resident	Scenario 3	1.68E+01	3.26E-03	3.40E-03
9933	643900.3	4167591.5	Resident	Scenario 3	1.63E+01	3.16E-03	3.36E-03
9934	643925.3	4167591.5	Resident	Scenario 3	1.58E+01	3.07E-03	3.31E-03
9935	640593.1	4166856.1	Resident	Scenario 3	2.22E+00	5.04E-04	1.49E-02
9936	640618.1	4166856.5	Resident	Scenario 3	2.28E+00	5.20E-04	1.66E-02
9937	640643.1	4166856.9	Resident	Scenario 3	2.35E+00	5.37E-04	1.78E-02
9938	640668.1	4166857.3	Resident	Scenario 3	2.43E+00	5.58E-04	1.84E-02
9939	640693.1	4166857.7	Resident	Scenario 3	2.50E+00	5.75E-04	1.90E-02
9940	640718.1	4166858.1	Resident	Scenario 3	2.58E+00	5.97E-04	1.92E-02
9941	640743.1	4166858.4	Resident	Scenario 3	2.64E+00	6.11E-04	1.93E-02
9942	640768.1	4166858.8	Resident	Scenario 3	2.68E+00	6.21E-04	1.97E-02
9943	640793.1	4166859.2	Resident	Scenario 3	2.74E+00	6.34E-04	1.90E-02
9944	640818.1	4166859.6	Resident	Scenario 3	2.81E+00	6.52E-04	1.74E-02
9945	640843.1	4166860.0	Resident	Scenario 3	2.88E+00	6.70E-04	1.69E-02
9946	640868.1	4166860.3	Resident	Scenario 3	2.96E+00	6.93E-04	1.98E-02
9947	640893.1	4166860.7	Resident	Scenario 3	3.04E+00	7.12E-04	2.32E-02
9948	640918.1	4166861.1	Resident	Scenario 3	3.13E+00	7.37E-04	2.53E-02

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9949	640943.1	4166861.5	Resident	Scenario 3	3.22E+00	7.58E-04	2.59E-02
9950	640968.0	4166861.4	Resident	Scenario 3	3.32E+00	7.84E-04	2.41E-02
9951	640992.8	4166858.1	Resident	Scenario 3	3.39E+00	8.01E-04	2.12E-02
9952	641015.9	4166849.2	Resident	Scenario 3	3.45E+00	8.16E-04	2.46E-02
9953	641038.0	4166837.5	Resident	Scenario 3	3.48E+00	8.25E-04	2.58E-02
9954	641058.4	4166823.1	Resident	Scenario 3	3.50E+00	8.28E-04	2.61E-02
9955	641078.8	4166808.7	Resident	Scenario 3	3.53E+00	8.33E-04	2.95E-02
9956	641099.0	4166793.9	Resident	Scenario 3	3.53E+00	8.34E-04	3.13E-02
9957	641117.9	4166777.7	Resident	Scenario 3	3.54E+00	8.36E-04	3.24E-02
9958	641136.9	4166761.4	Resident	Scenario 3	3.55E+00	8.37E-04	3.17E-02
9959	641155.9	4166745.1	Resident	Scenario 3	3.54E+00	8.34E-04	3.59E-02
9960	641174.9	4166728.9	Resident	Scenario 3	3.54E+00	8.31E-04	3.14E-02
9961	641193.9	4166712.6	Resident	Scenario 3	3.54E+00	8.28E-04	3.04E-02
9962	641210.2	4166693.8	Resident	Scenario 3	3.50E+00	8.15E-04	2.65E-02
9963	641225.7	4166674.2	Resident	Scenario 3	3.48E+00	8.07E-04	2.66E-02
9964	641241.2	4166654.5	Resident	Scenario 3	3.48E+00	8.01E-04	2.65E-02
9965	641256.7	4166634.9	Resident	Scenario 3	3.43E+00	7.85E-04	2.49E-02
9966	641272.2	4166615.3	Resident	Scenario 3	3.45E+00	7.85E-04	2.53E-02
9967	641287.7	4166595.7	Resident	Scenario 3	3.43E+00	7.74E-04	2.69E-02
9968	641302.9	4166575.9	Resident	Scenario 3	3.39E+00	7.60E-04	2.64E-02
9969	641317.9	4166555.9	Resident	Scenario 3	3.32E+00	7.40E-04	2.35E-02
9970	641330.9	4166534.8	Resident	Scenario 3	3.20E+00	7.09E-04	2.46E-02
9971	641338.1	4166510.9	Resident	Scenario 3	2.99E+00	6.62E-04	2.43E-02
1	639723.5	4168261.2	Resident	Scenario 4	2.29E+00	9.03E-03	4.07E-03
2	639698.5	4168286.2	Resident	Scenario 4	2.14E+00	8.41E-03	3.88E-03
3	639723.5	4168286.2	Resident	Scenario 4	2.91E+00	1.16E-02	3.82E-03
4	639648.5	4168311.2	Resident	Scenario 4	1.70E+00	6.73E-03	3.75E-03
5	639673.5	4168311.2	Resident	Scenario 4	1.99E+00	7.87E-03	3.69E-03
6	639698.5	4168311.2	Resident	Scenario 4	2.55E+00	1.01E-02	3.63E-03
7	639648.5	4168336.2	Resident	Scenario 4	1.89E+00	7.56E-03	3.50E-03
8	639673.5	4168336.2	Resident	Scenario 4	2.27E+00	9.02E-03	3.67E-03
9	639698.5	4168336.2	Resident	Scenario 4	3.09E+00	1.23E-02	3.88E-03
10	639648.5	4168361.2	Resident	Scenario 4	2.11E+00	8.50E-03	3.70E-03
11	639673.5	4168361.2	Resident	Scenario 4	2.55E+00	1.02E-02	3.89E-03
12	639698.5	4168361.2	Resident	Scenario 4	3.58E+00	1.43E-02	4.06E-03
13	639648.5	4168386.2	Resident	Scenario 4	2.34E+00	9.58E-03	3.88E-03
14	639673.5	4168386.2	Resident	Scenario 4	2.83E+00	1.14E-02	4.02E-03
15	639698.5	4168386.2	Resident	Scenario 4	3.89E+00	1.55E-02	4.13E-03
16	639648.5	4168411.2	Resident	Scenario 4	2.63E+00	1.10E-02	3.97E-03
17	639673.5	4168411.2	Resident	Scenario 4	3.12E+00	1.27E-02	4.05E-03
18	639698.5	4168411.2	Resident	Scenario 4	4.19E+00	1.68E-02	4.10E-03
19	639648.5	4168436.2	Resident	Scenario 4	3.05E+00	1.29E-02	3.96E-03
20	639673.5	4168436.2	Resident	Scenario 4	3.53E+00	1.46E-02	3.98E-03
21	639698.5	4168436.2	Resident	Scenario 4	4.60E+00	1.87E-02	3.97E-03
22	641298.5	4168511.2	Resident	Scenario 4	6.76E+00	1.79E-02	9.54E-03
23	641323.5	4168511.2	Resident	Scenario 4	8.38E+00	2.26E-02	9.33E-03
24	641298.5	4168536.2	Resident	Scenario 4	6.72E+00	1.77E-02	9.21E-03
25	641323.5	4168536.2	Resident	Scenario 4	8.34E+00	2.26E-02	9.16E-03
26	641298.5	4168561.2	Resident	Scenario 4	6.65E+00	1.76E-02	8.85E-03
27	641323.5	4168561.2	Resident	Scenario 4	8.23E+00	2.25E-02	8.95E-03
28	641298.5	4168586.2	Resident	Scenario 4	6.58E+00	1.75E-02	8.50E-03
29	641323.5	4168586.2	Resident	Scenario 4	8.08E+00	2.24E-02	8.76E-03
30	641298.5	4168611.2	Resident	Scenario 4	6.51E+00	1.75E-02	8.19E-03
31	641323.5	4168611.2	Resident	Scenario 4	7.91E+00	2.23E-02	8.57E-03
32	641298.5	4168636.2	Resident	Scenario 4	6.39E+00	1.75E-02	7.85E-03
33	641323.5	4168636.2	Resident	Scenario 4	7.70E+00	2.22E-02	8.38E-03
34	641298.5	4168661.2	Resident	Scenario 4	6.22E+00	1.74E-02	7.68E-03
35	641323.5	4168661.2	Resident	Scenario 4	7.45E+00	2.21E-02	8.19E-03
36	642036.2	4165948.9	Resident	Scenario 4	4.78E-01	1.57E-03	1.13E-02
37	640636.2	4166448.9	Resident	Scenario 4	3.60E-01	1.18E-03	1.12E-02
38	640836.2	4166448.9	Resident	Scenario 4	3.99E-01	1.32E-03	1.63E-02
39	640936.2	4166448.9	Resident	Scenario 4	4.27E-01	1.42E-03	1.76E-02
40	641036.2	4166448.9	Resident	Scenario 4	4.59E-01	1.54E-03	1.84E-02
41	641136.2	4166448.9	Resident	Scenario 4	5.11E-01	1.71E-03	1.83E-02
42	641236.2	4166448.9	Resident	Scenario 4	5.68E-01	1.90E-03	1.94E-02
43	640636.2	4166548.9	Resident	Scenario 4	3.98E-01	1.29E-03	1.26E-02
44	640736.2	4166548.9	Resident	Scenario 4	4.27E-01	1.39E-03	1.35E-02
45	640836.2	4166548.9	Resident	Scenario 4	4.54E-01	1.48E-03	1.54E-02
46	641036.2	4166548.9	Resident	Scenario 4	5.30E-01	1.77E-03	2.36E-02
47	641136.2	4166548.9	Resident	Scenario 4	5.95E-01	1.99E-03	2.05E-02

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
48	641236.2	4166548.9	Resident	Scenario 4	6.97E-01	2.35E-03	2.08E-02
49	640636.2	4166648.9	Resident	Scenario 4	4.44E-01	1.43E-03	1.51E-02
50	640736.2	4166648.9	Resident	Scenario 4	4.81E-01	1.55E-03	1.55E-02
51	640836.2	4166648.9	Resident	Scenario 4	5.16E-01	1.67E-03	1.65E-02
52	640936.2	4166648.9	Resident	Scenario 4	5.57E-01	1.82E-03	1.93E-02
53	641036.2	4166648.9	Resident	Scenario 4	6.17E-01	2.04E-03	2.52E-02
54	641136.2	4166648.9	Resident	Scenario 4	7.03E-01	2.35E-03	2.69E-02
55	641236.2	4166648.9	Resident	Scenario 4	8.47E-01	2.88E-03	2.59E-02
56	640636.2	4166748.9	Resident	Scenario 4	4.88E-01	1.57E-03	1.50E-02
57	640736.2	4166748.9	Resident	Scenario 4	5.46E-01	1.74E-03	1.55E-02
58	640836.2	4166748.9	Resident	Scenario 4	5.81E-01	1.87E-03	1.95E-02
59	640936.2	4166748.9	Resident	Scenario 4	6.41E-01	2.08E-03	2.05E-02
60	641036.2	4166748.9	Resident	Scenario 4	7.19E-01	2.35E-03	2.62E-02
61	641136.2	4166748.9	Resident	Scenario 4	8.35E-01	2.77E-03	3.28E-02
62	640636.2	4166848.9	Resident	Scenario 4	5.40E-01	1.73E-03	1.79E-02
63	640736.2	4166848.9	Resident	Scenario 4	6.10E-01	1.94E-03	1.82E-02
64	640836.2	4166848.9	Resident	Scenario 4	6.60E-01	2.11E-03	1.68E-02
65	640936.2	4166848.9	Resident	Scenario 4	7.37E-01	2.37E-03	2.46E-02
66	644636.2	4167548.9	Resident	Scenario 4	1.52E+00	2.83E-03	2.24E-03
67	644636.2	4167648.9	Resident	Scenario 4	1.45E+00	2.67E-03	2.33E-03
68	644736.2	4167648.9	Resident	Scenario 4	1.36E+00	2.50E-03	2.25E-03
69	644836.2	4167648.9	Resident	Scenario 4	1.27E+00	2.35E-03	2.17E-03
70	644936.2	4167648.9	Resident	Scenario 4	1.20E+00	2.21E-03	2.09E-03
71	645036.2	4167648.9	Resident	Scenario 4	1.13E+00	2.08E-03	2.04E-03
72	645236.2	4167648.9	Resident	Scenario 4	1.01E+00	1.87E-03	1.95E-03
73	644536.2	4167748.9	Resident	Scenario 4	1.45E+00	2.66E-03	2.45E-03
74	644636.2	4168848.9	Resident	Scenario 4	6.53E-01	1.32E-03	2.64E-03
75	644736.2	4168848.9	Resident	Scenario 4	6.32E-01	1.27E-03	2.20E-03
76	644636.2	4168948.9	Resident	Scenario 4	6.20E-01	1.26E-03	3.20E-03
77	644536.2	4169048.9	Resident	Scenario 4	6.05E-01	1.24E-03	3.16E-03
78	644636.2	4169048.9	Resident	Scenario 4	5.87E-01	1.20E-03	3.26E-03
79	644736.2	4169048.9	Resident	Scenario 4	5.70E-01	1.16E-03	3.20E-03
80	644336.2	4169148.9	Resident	Scenario 4	6.11E-01	1.26E-03	2.24E-03
81	644436.2	4169148.9	Resident	Scenario 4	5.92E-01	1.22E-03	2.24E-03
82	644536.2	4169148.9	Resident	Scenario 4	5.74E-01	1.18E-03	2.51E-03
83	644336.2	4169248.9	Resident	Scenario 4	5.79E-01	1.21E-03	2.19E-03
84	644436.2	4169248.9	Resident	Scenario 4	5.62E-01	1.17E-03	2.13E-03
85	644436.2	4169348.9	Resident	Scenario 4	5.35E-01	1.12E-03	2.08E-03
86	642336.2	4169948.9	Resident	Scenario 4	7.03E-01	1.65E-03	5.04E-03
87	642436.2	4169948.9	Resident	Scenario 4	6.81E-01	1.59E-03	3.12E-03
88	642536.2	4169948.9	Resident	Scenario 4	6.61E-01	1.52E-03	2.76E-03
89	642636.2	4169948.9	Resident	Scenario 4	6.40E-01	1.47E-03	2.67E-03
90	642736.2	4169948.9	Resident	Scenario 4	6.20E-01	1.42E-03	2.74E-03
91	642836.2	4169948.9	Resident	Scenario 4	6.02E-01	1.37E-03	3.02E-03
92	642936.2	4169948.9	Resident	Scenario 4	5.85E-01	1.33E-03	3.18E-03
93	643036.2	4169948.9	Resident	Scenario 4	5.70E-01	1.29E-03	2.77E-03
94	643136.2	4169948.9	Resident	Scenario 4	5.55E-01	1.25E-03	2.47E-03
95	644136.2	4169948.9	Resident	Scenario 4	4.24E-01	9.32E-04	1.93E-03
96	642236.2	4170048.9	Resident	Scenario 4	6.74E-01	1.60E-03	6.13E-03
97	642336.2	4170048.9	Resident	Scenario 4	6.55E-01	1.54E-03	5.40E-03
98	642436.2	4170048.9	Resident	Scenario 4	6.37E-01	1.49E-03	3.57E-03
99	642536.2	4170048.9	Resident	Scenario 4	6.20E-01	1.43E-03	2.50E-03
100	642636.2	4170048.9	Resident	Scenario 4	6.01E-01	1.38E-03	2.67E-03
101	642736.2	4170048.9	Resident	Scenario 4	5.83E-01	1.33E-03	2.63E-03
102	642836.2	4170048.9	Resident	Scenario 4	5.67E-01	1.29E-03	2.65E-03
103	642936.2	4170048.9	Resident	Scenario 4	5.52E-01	1.25E-03	3.07E-03
104	643036.2	4170048.9	Resident	Scenario 4	5.38E-01	1.22E-03	2.97E-03
105	643136.2	4170048.9	Resident	Scenario 4	5.25E-01	1.19E-03	2.46E-03
106	643236.2	4170048.9	Resident	Scenario 4	5.13E-01	1.15E-03	2.28E-03
107	643336.2	4170048.9	Resident	Scenario 4	5.01E-01	1.12E-03	2.28E-03
108	643436.2	4170048.9	Resident	Scenario 4	4.89E-01	1.09E-03	2.25E-03
109	643536.2	4170048.9	Resident	Scenario 4	4.77E-01	1.06E-03	2.19E-03
110	643636.2	4170048.9	Resident	Scenario 4	4.66E-01	1.04E-03	2.18E-03
111	643736.2	4170048.9	Resident	Scenario 4	4.52E-01	1.00E-03	2.06E-03
112	643836.2	4170048.9	Resident	Scenario 4	4.39E-01	9.74E-04	1.95E-03
113	643936.2	4170048.9	Resident	Scenario 4	4.27E-01	9.46E-04	1.99E-03
114	644036.2	4170048.9	Resident	Scenario 4	4.16E-01	9.20E-04	1.93E-03
115	642136.2	4170148.9	Resident	Scenario 4	6.42E-01	1.55E-03	4.45E-03
116	642236.2	4170148.9	Resident	Scenario 4	6.24E-01	1.49E-03	5.79E-03
117	642336.2	4170148.9	Resident	Scenario 4	6.10E-01	1.44E-03	5.61E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
118	643436.2	4170148.9	Resident	Scenario 4	4.64E-01	1.04E-03	2.18E-03
119	643536.2	4170148.9	Resident	Scenario 4	4.54E-01	1.02E-03	2.12E-03
120	643636.2	4170148.9	Resident	Scenario 4	4.43E-01	9.90E-04	2.06E-03
121	643736.2	4170148.9	Resident	Scenario 4	4.32E-01	9.63E-04	2.07E-03
122	643836.2	4170148.9	Resident	Scenario 4	4.20E-01	9.36E-04	1.91E-03
123	643936.2	4170148.9	Resident	Scenario 4	4.09E-01	9.10E-04	1.87E-03
124	643436.2	4170248.9	Resident	Scenario 4	4.42E-01	9.96E-04	2.11E-03
125	643536.2	4170248.9	Resident	Scenario 4	4.32E-01	9.73E-04	2.05E-03
126	643636.2	4170248.9	Resident	Scenario 4	4.22E-01	9.48E-04	2.00E-03
127	643736.2	4170248.9	Resident	Scenario 4	4.13E-01	9.25E-04	1.97E-03
128	643836.2	4170248.9	Resident	Scenario 4	4.02E-01	9.00E-04	1.96E-03
129	635936.2	4170748.9	Resident	Scenario 4	1.11E-01	3.30E-04	1.26E-03
130	636036.2	4170748.9	Resident	Scenario 4	1.15E-01	3.42E-04	1.19E-03
131	636136.2	4170748.9	Resident	Scenario 4	1.20E-01	3.58E-04	1.03E-03
132	635936.2	4170848.9	Resident	Scenario 4	1.12E-01	3.32E-04	1.08E-03
133	636036.2	4170848.9	Resident	Scenario 4	1.16E-01	3.46E-04	1.05E-03
134	636136.2	4170848.9	Resident	Scenario 4	1.21E-01	3.62E-04	1.13E-03
135	636236.2	4170848.9	Resident	Scenario 4	1.27E-01	3.79E-04	1.12E-03
136	636836.2	4170848.9	Resident	Scenario 4	1.74E-01	5.32E-04	9.08E-04
137	636036.2	4170948.9	Resident	Scenario 4	1.18E-01	3.49E-04	1.14E-03
138	636136.2	4170948.9	Resident	Scenario 4	1.23E-01	3.65E-04	1.12E-03
139	636236.2	4170948.9	Resident	Scenario 4	1.28E-01	3.83E-04	1.02E-03
140	636336.2	4170948.9	Resident	Scenario 4	1.35E-01	4.04E-04	7.77E-04
141	636636.2	4170948.9	Resident	Scenario 4	1.58E-01	4.78E-04	8.13E-04
142	636736.2	4170948.9	Resident	Scenario 4	1.66E-01	5.06E-04	8.93E-04
143	636836.2	4170948.9	Resident	Scenario 4	1.75E-01	5.35E-04	9.38E-04
144	635936.2	4171048.9	Resident	Scenario 4	1.14E-01	3.39E-04	1.08E-03
145	636036.2	4171048.9	Resident	Scenario 4	1.19E-01	3.53E-04	1.06E-03
146	636136.2	4171048.9	Resident	Scenario 4	1.24E-01	3.70E-04	9.69E-04
147	636236.2	4171048.9	Resident	Scenario 4	1.30E-01	3.88E-04	7.25E-04
148	636336.2	4171048.9	Resident	Scenario 4	1.36E-01	4.08E-04	7.00E-04
149	636536.2	4171048.9	Resident	Scenario 4	1.50E-01	4.53E-04	8.09E-04
150	636636.2	4171048.9	Resident	Scenario 4	1.58E-01	4.80E-04	8.75E-04
151	636736.2	4171048.9	Resident	Scenario 4	1.67E-01	5.08E-04	9.05E-04
152	635936.2	4171148.9	Resident	Scenario 4	1.16E-01	3.43E-04	9.58E-04
153	636036.2	4171148.9	Resident	Scenario 4	1.20E-01	3.58E-04	9.18E-04
154	636136.2	4171148.9	Resident	Scenario 4	1.26E-01	3.74E-04	6.86E-04
155	636236.2	4171148.9	Resident	Scenario 4	1.31E-01	3.91E-04	6.64E-04
156	636336.2	4171148.9	Resident	Scenario 4	1.37E-01	4.12E-04	7.20E-04
157	636536.2	4171148.9	Resident	Scenario 4	1.51E-01	4.57E-04	8.54E-04
158	636636.2	4171148.9	Resident	Scenario 4	1.58E-01	4.81E-04	8.72E-04
159	636136.2	4171248.9	Resident	Scenario 4	1.27E-01	3.79E-04	6.37E-04
160	636236.2	4171248.9	Resident	Scenario 4	1.32E-01	3.97E-04	7.20E-04
161	636336.2	4171248.9	Resident	Scenario 4	1.38E-01	4.16E-04	7.90E-04
162	636536.2	4171248.9	Resident	Scenario 4	1.51E-01	4.59E-04	8.37E-04
163	636036.2	4171348.9	Resident	Scenario 4	1.23E-01	3.67E-04	6.39E-04
164	636136.2	4171348.9	Resident	Scenario 4	1.28E-01	3.83E-04	7.18E-04
165	636236.2	4171348.9	Resident	Scenario 4	1.33E-01	4.01E-04	7.76E-04
166	636336.2	4171348.9	Resident	Scenario 4	1.39E-01	4.20E-04	8.06E-04
167	636136.2	4171448.9	Resident	Scenario 4	1.29E-01	3.87E-04	7.60E-04
168	642573.5	4166836.2	Roadway/Waterway	Scenario 4	--	--	--
169	644323.5	4166836.2	Roadway/Waterway	Scenario 4	--	--	--
170	641523.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
171	641548.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
172	641573.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
173	642048.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
174	642073.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
175	642098.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
176	642198.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
177	642223.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
178	642248.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
179	642273.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
180	642548.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
181	642573.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
182	642598.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
183	642623.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
184	642648.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
185	642673.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
186	642698.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
187	642723.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
188	642748.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
189	642773.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
190	642798.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
191	642823.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
192	642848.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
193	642873.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
194	642898.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
195	642923.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
196	642948.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
197	642973.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
198	642998.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
199	643023.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
200	643048.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
201	643073.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
202	643098.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
203	643123.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
204	643148.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
205	643173.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
206	643198.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
207	643223.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
208	643248.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
209	643273.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
210	643298.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
211	643323.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
212	643348.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
213	643373.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
214	643398.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
215	643423.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
216	643448.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
217	643473.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
218	643498.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
219	643523.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
220	643548.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
221	643573.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
222	643598.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
223	643623.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
224	643648.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
225	643673.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
226	643698.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
227	643723.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
228	643748.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
229	643773.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
230	643798.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
231	643823.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
232	643848.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
233	643873.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
234	643898.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
235	643923.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
236	643948.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
237	643973.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
238	643998.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
239	644023.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
240	644048.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
241	644073.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
242	644098.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
243	644123.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
244	644148.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
245	644173.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
246	644198.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
247	644223.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
248	644248.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
249	644273.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
250	644298.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
251	644323.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
252	644348.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
253	644373.5	4166861.2	Roadway/Waterway	Scenario 4	--	--	--
254	641423.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
255	641448.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
256	641473.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
257	641498.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
258	641523.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
259	641548.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
260	641573.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
261	641598.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
262	641623.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
263	641648.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
264	641673.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
265	641698.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
266	641723.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
267	641748.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
268	641773.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
269	641798.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
270	641823.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
271	641848.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
272	641873.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
273	641898.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
274	641923.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
275	641948.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
276	641973.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
277	641998.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
278	642023.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
279	642048.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
280	642073.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
281	642098.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
282	642123.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
283	642148.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
284	642173.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
285	642198.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
286	642223.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
287	642248.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
288	642273.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
289	642298.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
290	642323.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
291	642348.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
292	642373.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
293	642398.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
294	642423.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
295	642448.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
296	642473.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
297	642498.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
298	642523.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
299	642548.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
300	642573.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
301	642598.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
302	642623.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
303	642648.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
304	642673.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
305	642698.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
306	642723.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
307	642748.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
308	642773.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
309	642798.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
310	642823.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
311	642848.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
312	642873.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
313	642898.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
314	642923.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
315	642948.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
316	642973.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
317	642998.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
318	643023.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
319	643048.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
320	643073.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
321	643098.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
322	643123.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
323	643148.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
324	643173.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
325	643198.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
326	643223.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
327	643248.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
328	643273.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
329	643298.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
330	643323.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
331	643348.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
332	643373.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
333	643398.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
334	643423.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
335	643448.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
336	643473.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
337	643498.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
338	643523.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
339	643548.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
340	643573.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
341	643598.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
342	643623.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
343	643648.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
344	643673.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
345	643698.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
346	643723.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
347	643748.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
348	643773.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
349	643798.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
350	643823.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
351	643848.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
352	643873.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
353	643898.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
354	643923.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
355	643948.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
356	643973.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
357	643998.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
358	644023.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
359	644048.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
360	644073.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
361	644098.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
362	644123.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
363	644148.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
364	644173.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
365	644198.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
366	644223.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
367	644248.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
368	644273.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
369	644298.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
370	644323.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
371	644348.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
372	644373.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
373	644398.5	4166886.2	Roadway/Waterway	Scenario 4	--	--	--
374	641348.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
375	641373.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
376	641398.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
377	641423.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
378	641448.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
379	641473.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
380	641498.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
381	641523.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
382	641548.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
383	641573.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
384	641598.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
385	641623.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
386	641648.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
387	641673.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
388	641698.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
389	641723.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
390	641748.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
391	641773.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
392	641798.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
393	641823.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
394	641848.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
395	641873.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
396	641898.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
397	641923.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
398	641948.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
399	641973.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
400	641998.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
401	642023.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
402	642048.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
403	642073.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
404	642098.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
405	642123.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
406	642148.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
407	642173.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
408	642198.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
409	642223.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
410	642248.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
411	642273.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
412	642298.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
413	642323.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
414	642348.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
415	642373.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
416	642398.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
417	642423.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
418	642448.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
419	642473.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
420	642498.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
421	642523.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
422	642548.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
423	642573.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
424	642598.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
425	642623.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
426	642648.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
427	642673.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
428	642698.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
429	642723.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
430	642748.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
431	642773.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
432	643548.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
433	643573.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
434	643598.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
435	643623.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
436	643648.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
437	643673.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
438	643698.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
439	643723.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
440	643748.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
441	643773.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
442	643798.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
443	643823.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
444	643848.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
445	643873.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
446	643898.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
447	643923.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
448	643948.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
449	643973.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
450	643998.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
451	644023.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
452	644048.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
453	644073.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
454	644098.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
455	644123.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
456	644148.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
457	644173.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
458	644198.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
459	644223.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
460	644248.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
461	644273.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
462	644298.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
463	644323.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
464	644348.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
465	644373.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
466	644398.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
467	644423.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
468	644448.5	4166911.2	Roadway/Waterway	Scenario 4	--	--	--
469	641323.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
470	641348.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
471	641373.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
472	641398.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
473	641423.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
474	641448.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
475	641473.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
476	641498.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
477	641523.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
478	641548.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
479	641573.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
480	641598.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
481	641623.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
482	641648.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
483	641673.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
484	641698.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
485	641723.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
486	641748.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
487	641773.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
488	641798.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
489	641823.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
490	641848.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
491	641873.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
492	641898.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
493	641923.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
494	641948.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
495	642223.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
496	642248.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
497	642273.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
498	642298.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
499	642323.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
500	642348.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
501	642373.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
502	642398.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
503	642423.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
504	642448.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
505	642473.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
506	642498.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
507	642523.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
508	642548.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
509	642573.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
510	644323.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
511	644348.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
512	644373.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
513	644398.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
514	644423.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
515	644448.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
516	644473.5	4166936.2	Roadway/Waterway	Scenario 4	--	--	--
517	641323.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
518	641348.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
519	641373.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
520	641398.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
521	641423.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
522	641448.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
523	641473.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
524	641498.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
525	641523.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
526	642198.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
527	642223.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
528	642248.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
529	642273.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
530	642298.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
531	642323.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
532	642348.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
533	642373.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
534	642398.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
535	642423.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
536	642448.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
537	642473.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
538	642498.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
539	642523.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
540	642548.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
541	644373.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
542	644398.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
543	644423.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
544	644448.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
545	644473.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
546	644498.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
547	644523.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
548	644548.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
549	644573.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
550	644598.5	4166961.2	Roadway/Waterway	Scenario 4	--	--	--
551	641298.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
552	641323.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
553	641348.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
554	641373.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
555	641398.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
556	641423.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
557	642173.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
558	642198.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
559	642223.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
560	642248.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
561	642273.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
562	642298.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
563	642323.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
564	642348.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
565	644398.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
566	644423.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
567	644448.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
568	644473.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
569	644498.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
570	644523.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
571	644548.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
572	644573.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
573	644598.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
574	644623.5	4166986.2	Roadway/Waterway	Scenario 4	--	--	--
575	641348.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
576	641373.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
577	642148.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
578	642173.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
579	642198.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
580	642223.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
581	642248.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
582	642273.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
583	642298.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
584	642323.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
585	644423.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
586	644448.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
587	644473.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
588	644498.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
589	644523.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
590	644548.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
591	644573.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
592	644598.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
593	644623.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
594	644648.5	4167011.2	Roadway/Waterway	Scenario 4	--	--	--
595	641348.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
596	641373.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
597	642123.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
598	642148.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
599	642173.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
600	642198.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
601	642223.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
602	642248.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
603	642273.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
604	642298.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
605	644473.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
606	644498.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
607	644523.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
608	644548.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
609	644573.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
610	644598.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
611	644623.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
612	644648.5	4167036.2	Roadway/Waterway	Scenario 4	--	--	--
613	641373.5	4167061.2	Roadway/Waterway	Scenario 4	--	--	--
614	642098.5	4167061.2	Roadway/Waterway	Scenario 4	--	--	--
615	642123.5	4167061.2	Roadway/Waterway	Scenario 4	--	--	--
616	642148.5	4167061.2	Roadway/Waterway	Scenario 4	--	--	--
617	642173.5	4167061.2	Roadway/Waterway	Scenario 4	--	--	--
618	642198.5	4167061.2	Roadway/Waterway	Scenario 4	--	--	--
619	642223.5	4167061.2	Roadway/Waterway	Scenario 4	--	--	--
620	642248.5	4167061.2	Roadway/Waterway	Scenario 4	--	--	--
621	642273.5	4167061.2	Roadway/Waterway	Scenario 4	--	--	--
622	644573.5	4167061.2	Roadway/Waterway	Scenario 4	--	--	--
623	644598.5	4167061.2	Roadway/Waterway	Scenario 4	--	--	--
624	644623.5	4167061.2	Roadway/Waterway	Scenario 4	--	--	--
625	644648.5	4167061.2	Roadway/Waterway	Scenario 4	--	--	--
626	641373.5	4167086.2	Roadway/Waterway	Scenario 4	--	--	--
627	642073.5	4167086.2	Roadway/Waterway	Scenario 4	--	--	--
628	642098.5	4167086.2	Roadway/Waterway	Scenario 4	--	--	--
629	642123.5	4167086.2	Roadway/Waterway	Scenario 4	--	--	--
630	642148.5	4167086.2	Roadway/Waterway	Scenario 4	--	--	--
631	642173.5	4167086.2	Roadway/Waterway	Scenario 4	--	--	--
632	642198.5	4167086.2	Roadway/Waterway	Scenario 4	--	--	--
633	642223.5	4167086.2	Roadway/Waterway	Scenario 4	--	--	--
634	642248.5	4167086.2	Roadway/Waterway	Scenario 4	--	--	--
635	644598.5	4167086.2	Roadway/Waterway	Scenario 4	--	--	--
636	644623.5	4167086.2	Roadway/Waterway	Scenario 4	--	--	--
637	641373.5	4167111.2	Roadway/Waterway	Scenario 4	--	--	--
638	642048.5	4167111.2	Roadway/Waterway	Scenario 4	--	--	--
639	642073.5	4167111.2	Roadway/Waterway	Scenario 4	--	--	--
640	642098.5	4167111.2	Roadway/Waterway	Scenario 4	--	--	--
641	642123.5	4167111.2	Roadway/Waterway	Scenario 4	--	--	--
642	642148.5	4167111.2	Roadway/Waterway	Scenario 4	--	--	--
643	642173.5	4167111.2	Roadway/Waterway	Scenario 4	--	--	--
644	642198.5	4167111.2	Roadway/Waterway	Scenario 4	--	--	--
645	642223.5	4167111.2	Roadway/Waterway	Scenario 4	--	--	--
646	644598.5	4167111.2	Roadway/Waterway	Scenario 4	--	--	--
647	644623.5	4167111.2	Roadway/Waterway	Scenario 4	--	--	--
648	641373.5	4167136.2	Roadway/Waterway	Scenario 4	--	--	--
649	642023.5	4167136.2	Roadway/Waterway	Scenario 4	--	--	--
650	642048.5	4167136.2	Roadway/Waterway	Scenario 4	--	--	--
651	642073.5	4167136.2	Roadway/Waterway	Scenario 4	--	--	--
652	642098.5	4167136.2	Roadway/Waterway	Scenario 4	--	--	--
653	642123.5	4167136.2	Roadway/Waterway	Scenario 4	--	--	--
654	642148.5	4167136.2	Roadway/Waterway	Scenario 4	--	--	--
655	642173.5	4167136.2	Roadway/Waterway	Scenario 4	--	--	--
656	642198.5	4167136.2	Roadway/Waterway	Scenario 4	--	--	--
657	644598.5	4167136.2	Roadway/Waterway	Scenario 4	--	--	--
658	644623.5	4167136.2	Roadway/Waterway	Scenario 4	--	--	--
659	641373.5	4167161.2	Roadway/Waterway	Scenario 4	--	--	--
660	641998.5	4167161.2	Roadway/Waterway	Scenario 4	--	--	--
661	642023.5	4167161.2	Roadway/Waterway	Scenario 4	--	--	--
662	642048.5	4167161.2	Roadway/Waterway	Scenario 4	--	--	--
663	642073.5	4167161.2	Roadway/Waterway	Scenario 4	--	--	--
664	642098.5	4167161.2	Roadway/Waterway	Scenario 4	--	--	--
665	642123.5	4167161.2	Roadway/Waterway	Scenario 4	--	--	--
666	642148.5	4167161.2	Roadway/Waterway	Scenario 4	--	--	--
667	644598.5	4167161.2	Roadway/Waterway	Scenario 4	--	--	--
668	644623.5	4167161.2	Roadway/Waterway	Scenario 4	--	--	--
669	641373.5	4167186.2	Roadway/Waterway	Scenario 4	--	--	--
670	641948.5	4167186.2	Roadway/Waterway	Scenario 4	--	--	--
671	641973.5	4167186.2	Roadway/Waterway	Scenario 4	--	--	--
672	641998.5	4167186.2	Roadway/Waterway	Scenario 4	--	--	--
673	642023.5	4167186.2	Roadway/Waterway	Scenario 4	--	--	--
674	642048.5	4167186.2	Roadway/Waterway	Scenario 4	--	--	--
675	642073.5	4167186.2	Roadway/Waterway	Scenario 4	--	--	--
676	642098.5	4167186.2	Roadway/Waterway	Scenario 4	--	--	--
677	642123.5	4167186.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
678	644598.5	4167186.2	Roadway/Waterway	Scenario 4	--	--	--
679	644623.5	4167186.2	Roadway/Waterway	Scenario 4	--	--	--
680	641373.5	4167211.2	Roadway/Waterway	Scenario 4	--	--	--
681	641923.5	4167211.2	Roadway/Waterway	Scenario 4	--	--	--
682	641948.5	4167211.2	Roadway/Waterway	Scenario 4	--	--	--
683	641973.5	4167211.2	Roadway/Waterway	Scenario 4	--	--	--
684	641998.5	4167211.2	Roadway/Waterway	Scenario 4	--	--	--
685	642023.5	4167211.2	Roadway/Waterway	Scenario 4	--	--	--
686	642048.5	4167211.2	Roadway/Waterway	Scenario 4	--	--	--
687	642073.5	4167211.2	Roadway/Waterway	Scenario 4	--	--	--
688	642098.5	4167211.2	Roadway/Waterway	Scenario 4	--	--	--
689	644598.5	4167211.2	Roadway/Waterway	Scenario 4	--	--	--
690	644623.5	4167211.2	Roadway/Waterway	Scenario 4	--	--	--
691	641373.5	4167236.2	Roadway/Waterway	Scenario 4	--	--	--
692	641898.5	4167236.2	Roadway/Waterway	Scenario 4	--	--	--
693	641923.5	4167236.2	Roadway/Waterway	Scenario 4	--	--	--
694	641948.5	4167236.2	Roadway/Waterway	Scenario 4	--	--	--
695	641973.5	4167236.2	Roadway/Waterway	Scenario 4	--	--	--
696	641998.5	4167236.2	Roadway/Waterway	Scenario 4	--	--	--
697	642023.5	4167236.2	Roadway/Waterway	Scenario 4	--	--	--
698	642048.5	4167236.2	Roadway/Waterway	Scenario 4	--	--	--
699	642073.5	4167236.2	Roadway/Waterway	Scenario 4	--	--	--
700	644598.5	4167236.2	Roadway/Waterway	Scenario 4	--	--	--
701	641373.5	4167261.2	Roadway/Waterway	Scenario 4	--	--	--
702	641873.5	4167261.2	Roadway/Waterway	Scenario 4	--	--	--
703	641898.5	4167261.2	Roadway/Waterway	Scenario 4	--	--	--
704	641923.5	4167261.2	Roadway/Waterway	Scenario 4	--	--	--
705	641948.5	4167261.2	Roadway/Waterway	Scenario 4	--	--	--
706	641973.5	4167261.2	Roadway/Waterway	Scenario 4	--	--	--
707	641998.5	4167261.2	Roadway/Waterway	Scenario 4	--	--	--
708	642023.5	4167261.2	Roadway/Waterway	Scenario 4	--	--	--
709	642048.5	4167261.2	Roadway/Waterway	Scenario 4	--	--	--
710	644548.5	4167261.2	Roadway/Waterway	Scenario 4	--	--	--
711	644573.5	4167261.2	Roadway/Waterway	Scenario 4	--	--	--
712	644598.5	4167261.2	Roadway/Waterway	Scenario 4	--	--	--
713	644623.5	4167261.2	Roadway/Waterway	Scenario 4	--	--	--
714	644648.5	4167261.2	Roadway/Waterway	Scenario 4	--	--	--
715	644673.5	4167261.2	Roadway/Waterway	Scenario 4	--	--	--
716	641373.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
717	641823.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
718	641848.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
719	641873.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
720	641898.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
721	641923.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
722	641948.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
723	641973.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
724	641998.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
725	642023.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
726	644448.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
727	644473.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
728	644498.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
729	644523.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
730	644548.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
731	644573.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
732	644598.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
733	644623.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
734	644648.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
735	644673.5	4167286.2	Roadway/Waterway	Scenario 4	--	--	--
736	641373.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
737	641748.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
738	641773.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
739	641798.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
740	641823.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
741	641848.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
742	641873.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
743	641898.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
744	641923.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
745	641948.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
746	641973.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
747	641998.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
748	644373.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
749	644398.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
750	644423.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
751	644448.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
752	644473.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
753	644498.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
754	644523.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
755	644548.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
756	644573.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
757	644598.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
758	644623.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
759	644648.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
760	641373.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
761	641673.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
762	641698.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
763	641723.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
764	641748.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
765	641773.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
766	641798.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
767	641823.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
768	641848.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
769	641873.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
770	641898.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
771	641923.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
772	641948.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
773	641973.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
774	644298.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
775	644323.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
776	644348.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
777	644373.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
778	644398.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
779	644423.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
780	644448.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
781	644473.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
782	644498.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
783	644523.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
784	644548.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
785	644573.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
786	644598.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
787	644623.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
788	641373.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
789	641573.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
790	641598.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
791	641623.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
792	641648.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
793	641673.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
794	641698.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
795	641723.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
796	641748.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
797	641773.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
798	641798.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
799	641823.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
800	641848.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
801	641873.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
802	641898.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
803	641923.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
804	643348.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
805	643373.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
806	643398.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
807	643423.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
808	643448.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
809	643473.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
810	643498.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
811	643523.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
812	643548.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
813	643573.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
814	643598.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
815	643623.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
816	643648.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
817	643673.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
818	643698.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
819	643723.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
820	643748.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
821	643773.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
822	643798.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
823	643823.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
824	643848.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
825	643873.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
826	644248.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
827	644273.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
828	644298.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
829	644323.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
830	644348.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
831	644373.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
832	644398.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
833	644423.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
834	644448.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
835	644473.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
836	644498.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
837	641373.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
838	641498.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
839	641523.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
840	641548.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
841	641573.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
842	641598.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
843	641623.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
844	641648.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
845	641673.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
846	641698.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
847	641723.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
848	641748.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
849	641773.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
850	641798.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
851	641823.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
852	641848.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
853	641873.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
854	643323.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
855	643348.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
856	643373.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
857	643398.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
858	643423.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
859	643448.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
860	643473.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
861	643498.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
862	643523.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
863	643548.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
864	643573.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
865	643598.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
866	643623.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
867	643648.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
868	643673.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
869	643698.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
870	643723.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
871	643748.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
872	643773.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
873	643798.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
874	643823.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
875	643848.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
876	643873.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
877	643898.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
878	643923.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
879	643948.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
880	643973.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
881	643998.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
882	644023.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
883	644048.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
884	644073.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
885	644148.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
886	644173.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
887	644198.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
888	644223.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
889	644248.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
890	644273.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
891	644298.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
892	644323.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
893	644348.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
894	644373.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
895	644398.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
896	644423.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
897	641373.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
898	641398.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
899	641423.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
900	641448.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
901	641473.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
902	641498.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
903	641523.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
904	641548.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
905	641573.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
906	641598.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
907	641623.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
908	641648.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
909	641673.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
910	641698.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
911	641723.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
912	641748.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
913	641773.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
914	641798.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
915	641823.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
916	641848.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
917	643298.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
918	643323.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
919	643348.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
920	643373.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
921	643398.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
922	643423.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
923	643448.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
924	643473.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
925	643498.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
926	643523.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
927	643548.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
928	643573.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
929	643598.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
930	643623.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
931	643648.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
932	643673.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
933	643698.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
934	643723.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
935	643748.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
936	643773.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
937	643798.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
938	643823.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
939	643848.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
940	643873.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
941	643898.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
942	643923.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
943	643948.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
944	643973.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
945	643998.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
946	644023.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
947	644048.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
948	644073.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
949	644098.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
950	644123.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
951	644148.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
952	644173.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
953	644198.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
954	644223.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
955	644248.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
956	644273.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
957	644298.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
958	644323.5	4167411.2	Roadway/Waterway	Scenario 4	--	--	--
959	641298.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
960	641323.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
961	641348.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
962	641373.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
963	641398.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
964	641423.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
965	641448.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
966	641473.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
967	641498.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
968	641523.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
969	641548.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
970	641573.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
971	641598.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
972	641623.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
973	641648.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
974	641673.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
975	641698.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
976	641723.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
977	641748.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
978	641773.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
979	643273.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
980	643298.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
981	643323.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
982	643773.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
983	643798.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
984	643823.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
985	643848.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
986	643873.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
987	643898.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
988	643923.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
989	643948.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
990	643973.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
991	643998.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
992	644023.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
993	644048.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
994	644073.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
995	644098.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
996	644123.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
997	644148.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
998	644173.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
999	644198.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
1000	644223.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
1001	644248.5	4167436.2	Roadway/Waterway	Scenario 4	--	--	--
1002	641323.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1003	641348.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1004	641373.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1005	641398.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1006	641423.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1007	641448.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1008	641473.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1009	641498.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1010	641523.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1011	641548.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1012	641573.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1013	641598.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1014	641623.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1015	641648.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1016	641673.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1017	641698.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1018	643248.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1019	643273.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1020	643298.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1021	643923.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1022	643948.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1023	643973.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1024	643998.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1025	644023.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1026	644048.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1027	644073.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1028	644098.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1029	644123.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1030	644148.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1031	644173.5	4167461.2	Roadway/Waterway	Scenario 4	--	--	--
1032	641273.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1033	641298.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1034	641323.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1035	641348.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1036	641373.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1037	641398.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1038	641423.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1039	641448.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1040	641473.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1041	641498.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1042	641523.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1043	641548.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1044	641573.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1045	641598.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1046	643223.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1047	643248.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1048	643273.5	4167486.2	Roadway/Waterway	Scenario 4	--	--	--
1049	641198.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1050	641223.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1051	641248.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1052	641273.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1053	641298.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1054	641323.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1055	641348.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1056	641373.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1057	641398.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1058	641423.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1059	641448.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1060	641473.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1061	641498.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1062	641523.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1063	643223.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1064	643248.5	4167511.2	Roadway/Waterway	Scenario 4	--	--	--
1065	641098.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1066	641123.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1067	641148.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1068	641173.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1069	641198.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1070	641223.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1071	641248.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1072	641273.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1073	641298.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1074	641323.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1075	641348.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1076	641373.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1077	641398.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1078	641423.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1079	643198.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1080	643223.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1081	643248.5	4167536.2	Roadway/Waterway	Scenario 4	--	--	--
1082	641023.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1083	641048.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1084	641073.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1085	641098.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1086	641123.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1087	641148.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1088	641173.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1089	641198.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1090	641223.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1091	641248.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1092	641273.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1093	641298.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1094	641323.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1095	641348.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1096	643173.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1097	643198.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1098	643223.5	4167561.2	Roadway/Waterway	Scenario 4	--	--	--
1099	640923.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1100	640948.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1101	640973.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1102	640998.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1103	641023.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1104	641048.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1105	641073.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1106	641098.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1107	641123.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1108	641148.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1109	641173.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1110	641198.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1111	641223.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1112	641248.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1113	641273.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1114	643148.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1115	643173.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1116	643198.5	4167586.2	Roadway/Waterway	Scenario 4	--	--	--
1117	640823.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1118	640848.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1119	640873.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1120	640898.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1121	640923.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1122	640948.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1123	640973.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1124	640998.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1125	641023.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1126	641048.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1127	641073.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1128	641098.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1129	641123.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1130	641148.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1131	641173.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1132	643123.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1133	643148.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1134	643173.5	4167611.2	Roadway/Waterway	Scenario 4	--	--	--
1135	640723.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1136	640748.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1137	640773.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1138	640798.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1139	640823.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1140	640848.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1141	640873.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1142	640898.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1143	640923.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1144	640948.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1145	640973.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1146	640998.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1147	641023.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1148	641048.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1149	641073.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1150	641098.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1151	643123.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1152	643148.5	4167636.2	Roadway/Waterway	Scenario 4	--	--	--
1153	640623.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1154	640648.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1155	640673.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1156	640698.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1157	640723.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1158	640748.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1159	640773.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1160	640798.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1161	640823.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1162	640848.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1163	640873.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1164	640898.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1165	640923.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1166	640948.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1167	640973.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1168	640998.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1169	643098.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1170	643123.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1171	643148.5	4167661.2	Roadway/Waterway	Scenario 4	--	--	--
1172	640523.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1173	640548.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1174	640573.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1175	640598.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1176	640623.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1177	640648.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1178	640673.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1179	640698.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1180	640723.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1181	640748.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1182	640773.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1183	640798.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1184	640823.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1185	640848.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1186	640873.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1187	640898.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1188	643073.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1189	643098.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1190	643123.5	4167686.2	Roadway/Waterway	Scenario 4	--	--	--
1191	640423.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1192	640448.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1193	640473.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1194	640498.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1195	640523.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1196	640548.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1197	640573.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1198	640598.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1199	640623.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1200	640648.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1201	640673.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1202	640698.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1203	640723.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1204	640748.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1205	640773.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1206	640798.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1207	643048.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1208	643073.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1209	643098.5	4167711.2	Roadway/Waterway	Scenario 4	--	--	--
1210	640373.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1211	640398.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1212	640423.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1213	640448.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1214	640473.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1215	640498.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1216	640523.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1217	640548.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1218	640573.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1219	640598.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1220	640623.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1221	640648.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1222	640673.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1223	640698.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1224	640723.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1225	643023.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1226	643048.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1227	643073.5	4167736.2	Roadway/Waterway	Scenario 4	--	--	--
1228	640323.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--
1229	640348.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--
1230	640373.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--
1231	640398.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--
1232	640423.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--
1233	640448.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--
1234	640473.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--
1235	640498.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--
1236	640523.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--
1237	640548.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1238	640573.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--
1239	640598.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--
1240	640623.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--
1241	643023.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--
1242	643048.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--
1243	643073.5	4167761.2	Roadway/Waterway	Scenario 4	--	--	--
1244	640273.5	4167786.2	Roadway/Waterway	Scenario 4	--	--	--
1245	640298.5	4167786.2	Roadway/Waterway	Scenario 4	--	--	--
1246	640323.5	4167786.2	Roadway/Waterway	Scenario 4	--	--	--
1247	640348.5	4167786.2	Roadway/Waterway	Scenario 4	--	--	--
1248	640373.5	4167786.2	Roadway/Waterway	Scenario 4	--	--	--
1249	640398.5	4167786.2	Roadway/Waterway	Scenario 4	--	--	--
1250	640423.5	4167786.2	Roadway/Waterway	Scenario 4	--	--	--
1251	640448.5	4167786.2	Roadway/Waterway	Scenario 4	--	--	--
1252	640473.5	4167786.2	Roadway/Waterway	Scenario 4	--	--	--
1253	640498.5	4167786.2	Roadway/Waterway	Scenario 4	--	--	--
1254	640523.5	4167786.2	Roadway/Waterway	Scenario 4	--	--	--
1255	642998.5	4167786.2	Roadway/Waterway	Scenario 4	--	--	--
1256	643023.5	4167786.2	Roadway/Waterway	Scenario 4	--	--	--
1257	643048.5	4167786.2	Roadway/Waterway	Scenario 4	--	--	--
1258	640223.5	4167811.2	Roadway/Waterway	Scenario 4	--	--	--
1259	640248.5	4167811.2	Roadway/Waterway	Scenario 4	--	--	--
1260	640273.5	4167811.2	Roadway/Waterway	Scenario 4	--	--	--
1261	640298.5	4167811.2	Roadway/Waterway	Scenario 4	--	--	--
1262	640323.5	4167811.2	Roadway/Waterway	Scenario 4	--	--	--
1263	640348.5	4167811.2	Roadway/Waterway	Scenario 4	--	--	--
1264	640373.5	4167811.2	Roadway/Waterway	Scenario 4	--	--	--
1265	640398.5	4167811.2	Roadway/Waterway	Scenario 4	--	--	--
1266	640423.5	4167811.2	Roadway/Waterway	Scenario 4	--	--	--
1267	642973.5	4167811.2	Roadway/Waterway	Scenario 4	--	--	--
1268	642998.5	4167811.2	Roadway/Waterway	Scenario 4	--	--	--
1269	643023.5	4167811.2	Roadway/Waterway	Scenario 4	--	--	--
1270	640198.5	4167836.2	Roadway/Waterway	Scenario 4	--	--	--
1271	640223.5	4167836.2	Roadway/Waterway	Scenario 4	--	--	--
1272	640248.5	4167836.2	Roadway/Waterway	Scenario 4	--	--	--
1273	640273.5	4167836.2	Roadway/Waterway	Scenario 4	--	--	--
1274	640298.5	4167836.2	Roadway/Waterway	Scenario 4	--	--	--
1275	640323.5	4167836.2	Roadway/Waterway	Scenario 4	--	--	--
1276	640348.5	4167836.2	Roadway/Waterway	Scenario 4	--	--	--
1277	640373.5	4167836.2	Roadway/Waterway	Scenario 4	--	--	--
1278	642923.5	4167836.2	Roadway/Waterway	Scenario 4	--	--	--
1279	642948.5	4167836.2	Roadway/Waterway	Scenario 4	--	--	--
1280	642973.5	4167836.2	Roadway/Waterway	Scenario 4	--	--	--
1281	642998.5	4167836.2	Roadway/Waterway	Scenario 4	--	--	--
1282	640148.5	4167861.2	Roadway/Waterway	Scenario 4	--	--	--
1283	640173.5	4167861.2	Roadway/Waterway	Scenario 4	--	--	--
1284	640198.5	4167861.2	Roadway/Waterway	Scenario 4	--	--	--
1285	640223.5	4167861.2	Roadway/Waterway	Scenario 4	--	--	--
1286	640248.5	4167861.2	Roadway/Waterway	Scenario 4	--	--	--
1287	640273.5	4167861.2	Roadway/Waterway	Scenario 4	--	--	--
1288	640298.5	4167861.2	Roadway/Waterway	Scenario 4	--	--	--
1289	640323.5	4167861.2	Roadway/Waterway	Scenario 4	--	--	--
1290	642898.5	4167861.2	Roadway/Waterway	Scenario 4	--	--	--
1291	642923.5	4167861.2	Roadway/Waterway	Scenario 4	--	--	--
1292	642948.5	4167861.2	Roadway/Waterway	Scenario 4	--	--	--
1293	642973.5	4167861.2	Roadway/Waterway	Scenario 4	--	--	--
1294	640123.5	4167886.2	Roadway/Waterway	Scenario 4	--	--	--
1295	640148.5	4167886.2	Roadway/Waterway	Scenario 4	--	--	--
1296	640173.5	4167886.2	Roadway/Waterway	Scenario 4	--	--	--
1297	640198.5	4167886.2	Roadway/Waterway	Scenario 4	--	--	--
1298	640223.5	4167886.2	Roadway/Waterway	Scenario 4	--	--	--
1299	640248.5	4167886.2	Roadway/Waterway	Scenario 4	--	--	--
1300	640273.5	4167886.2	Roadway/Waterway	Scenario 4	--	--	--
1301	642848.5	4167886.2	Roadway/Waterway	Scenario 4	--	--	--
1302	642873.5	4167886.2	Roadway/Waterway	Scenario 4	--	--	--
1303	642898.5	4167886.2	Roadway/Waterway	Scenario 4	--	--	--
1304	642923.5	4167886.2	Roadway/Waterway	Scenario 4	--	--	--
1305	642948.5	4167886.2	Roadway/Waterway	Scenario 4	--	--	--
1306	640073.5	4167911.2	Roadway/Waterway	Scenario 4	--	--	--
1307	640098.5	4167911.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1308	640123.5	4167911.2	Roadway/Waterway	Scenario 4	--	--	--
1309	640148.5	4167911.2	Roadway/Waterway	Scenario 4	--	--	--
1310	640173.5	4167911.2	Roadway/Waterway	Scenario 4	--	--	--
1311	640198.5	4167911.2	Roadway/Waterway	Scenario 4	--	--	--
1312	640223.5	4167911.2	Roadway/Waterway	Scenario 4	--	--	--
1313	640248.5	4167911.2	Roadway/Waterway	Scenario 4	--	--	--
1314	642823.5	4167911.2	Roadway/Waterway	Scenario 4	--	--	--
1315	642848.5	4167911.2	Roadway/Waterway	Scenario 4	--	--	--
1316	642873.5	4167911.2	Roadway/Waterway	Scenario 4	--	--	--
1317	642898.5	4167911.2	Roadway/Waterway	Scenario 4	--	--	--
1318	642923.5	4167911.2	Roadway/Waterway	Scenario 4	--	--	--
1319	640048.5	4167936.2	Roadway/Waterway	Scenario 4	--	--	--
1320	640073.5	4167936.2	Roadway/Waterway	Scenario 4	--	--	--
1321	640098.5	4167936.2	Roadway/Waterway	Scenario 4	--	--	--
1322	640123.5	4167936.2	Roadway/Waterway	Scenario 4	--	--	--
1323	640148.5	4167936.2	Roadway/Waterway	Scenario 4	--	--	--
1324	640173.5	4167936.2	Roadway/Waterway	Scenario 4	--	--	--
1325	640198.5	4167936.2	Roadway/Waterway	Scenario 4	--	--	--
1326	642773.5	4167936.2	Roadway/Waterway	Scenario 4	--	--	--
1327	642798.5	4167936.2	Roadway/Waterway	Scenario 4	--	--	--
1328	642823.5	4167936.2	Roadway/Waterway	Scenario 4	--	--	--
1329	642848.5	4167936.2	Roadway/Waterway	Scenario 4	--	--	--
1330	642873.5	4167936.2	Roadway/Waterway	Scenario 4	--	--	--
1331	639998.5	4167961.2	Roadway/Waterway	Scenario 4	--	--	--
1332	640023.5	4167961.2	Roadway/Waterway	Scenario 4	--	--	--
1333	640048.5	4167961.2	Roadway/Waterway	Scenario 4	--	--	--
1334	640073.5	4167961.2	Roadway/Waterway	Scenario 4	--	--	--
1335	640098.5	4167961.2	Roadway/Waterway	Scenario 4	--	--	--
1336	640123.5	4167961.2	Roadway/Waterway	Scenario 4	--	--	--
1337	640148.5	4167961.2	Roadway/Waterway	Scenario 4	--	--	--
1338	640173.5	4167961.2	Roadway/Waterway	Scenario 4	--	--	--
1339	642748.5	4167961.2	Roadway/Waterway	Scenario 4	--	--	--
1340	642773.5	4167961.2	Roadway/Waterway	Scenario 4	--	--	--
1341	642798.5	4167961.2	Roadway/Waterway	Scenario 4	--	--	--
1342	642823.5	4167961.2	Roadway/Waterway	Scenario 4	--	--	--
1343	642848.5	4167961.2	Roadway/Waterway	Scenario 4	--	--	--
1344	639973.5	4167986.2	Roadway/Waterway	Scenario 4	--	--	--
1345	639998.5	4167986.2	Roadway/Waterway	Scenario 4	--	--	--
1346	640023.5	4167986.2	Roadway/Waterway	Scenario 4	--	--	--
1347	640048.5	4167986.2	Roadway/Waterway	Scenario 4	--	--	--
1348	640073.5	4167986.2	Roadway/Waterway	Scenario 4	--	--	--
1349	640098.5	4167986.2	Roadway/Waterway	Scenario 4	--	--	--
1350	640123.5	4167986.2	Roadway/Waterway	Scenario 4	--	--	--
1351	642698.5	4167986.2	Roadway/Waterway	Scenario 4	--	--	--
1352	642723.5	4167986.2	Roadway/Waterway	Scenario 4	--	--	--
1353	642748.5	4167986.2	Roadway/Waterway	Scenario 4	--	--	--
1354	642773.5	4167986.2	Roadway/Waterway	Scenario 4	--	--	--
1355	642798.5	4167986.2	Roadway/Waterway	Scenario 4	--	--	--
1356	639923.5	4168011.2	Roadway/Waterway	Scenario 4	--	--	--
1357	639948.5	4168011.2	Roadway/Waterway	Scenario 4	--	--	--
1358	639973.5	4168011.2	Roadway/Waterway	Scenario 4	--	--	--
1359	639998.5	4168011.2	Roadway/Waterway	Scenario 4	--	--	--
1360	640023.5	4168011.2	Roadway/Waterway	Scenario 4	--	--	--
1361	640048.5	4168011.2	Roadway/Waterway	Scenario 4	--	--	--
1362	640073.5	4168011.2	Roadway/Waterway	Scenario 4	--	--	--
1363	640098.5	4168011.2	Roadway/Waterway	Scenario 4	--	--	--
1364	642648.5	4168011.2	Roadway/Waterway	Scenario 4	--	--	--
1365	642673.5	4168011.2	Roadway/Waterway	Scenario 4	--	--	--
1366	642698.5	4168011.2	Roadway/Waterway	Scenario 4	--	--	--
1367	642723.5	4168011.2	Roadway/Waterway	Scenario 4	--	--	--
1368	642748.5	4168011.2	Roadway/Waterway	Scenario 4	--	--	--
1369	642773.5	4168011.2	Roadway/Waterway	Scenario 4	--	--	--
1370	639898.5	4168036.2	Roadway/Waterway	Scenario 4	--	--	--
1371	639923.5	4168036.2	Roadway/Waterway	Scenario 4	--	--	--
1372	639948.5	4168036.2	Roadway/Waterway	Scenario 4	--	--	--
1373	639973.5	4168036.2	Roadway/Waterway	Scenario 4	--	--	--
1374	639998.5	4168036.2	Roadway/Waterway	Scenario 4	--	--	--
1375	640023.5	4168036.2	Roadway/Waterway	Scenario 4	--	--	--
1376	640048.5	4168036.2	Roadway/Waterway	Scenario 4	--	--	--
1377	642623.5	4168036.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1378	642648.5	4168036.2	Roadway/Waterway	Scenario 4	--	--	--
1379	642673.5	4168036.2	Roadway/Waterway	Scenario 4	--	--	--
1380	642698.5	4168036.2	Roadway/Waterway	Scenario 4	--	--	--
1381	642723.5	4168036.2	Roadway/Waterway	Scenario 4	--	--	--
1382	639848.5	4168061.2	Roadway/Waterway	Scenario 4	--	--	--
1383	639873.5	4168061.2	Roadway/Waterway	Scenario 4	--	--	--
1384	639898.5	4168061.2	Roadway/Waterway	Scenario 4	--	--	--
1385	639923.5	4168061.2	Roadway/Waterway	Scenario 4	--	--	--
1386	639948.5	4168061.2	Roadway/Waterway	Scenario 4	--	--	--
1387	639973.5	4168061.2	Roadway/Waterway	Scenario 4	--	--	--
1388	639998.5	4168061.2	Roadway/Waterway	Scenario 4	--	--	--
1389	642573.5	4168061.2	Roadway/Waterway	Scenario 4	--	--	--
1390	642598.5	4168061.2	Roadway/Waterway	Scenario 4	--	--	--
1391	642623.5	4168061.2	Roadway/Waterway	Scenario 4	--	--	--
1392	642648.5	4168061.2	Roadway/Waterway	Scenario 4	--	--	--
1393	642673.5	4168061.2	Roadway/Waterway	Scenario 4	--	--	--
1394	639823.5	4168086.2	Roadway/Waterway	Scenario 4	--	--	--
1395	639848.5	4168086.2	Roadway/Waterway	Scenario 4	--	--	--
1396	639873.5	4168086.2	Roadway/Waterway	Scenario 4	--	--	--
1397	639898.5	4168086.2	Roadway/Waterway	Scenario 4	--	--	--
1398	639923.5	4168086.2	Roadway/Waterway	Scenario 4	--	--	--
1399	639948.5	4168086.2	Roadway/Waterway	Scenario 4	--	--	--
1400	639973.5	4168086.2	Roadway/Waterway	Scenario 4	--	--	--
1401	642548.5	4168086.2	Roadway/Waterway	Scenario 4	--	--	--
1402	642573.5	4168086.2	Roadway/Waterway	Scenario 4	--	--	--
1403	642598.5	4168086.2	Roadway/Waterway	Scenario 4	--	--	--
1404	642623.5	4168086.2	Roadway/Waterway	Scenario 4	--	--	--
1405	642648.5	4168086.2	Roadway/Waterway	Scenario 4	--	--	--
1406	639773.5	4168111.2	Roadway/Waterway	Scenario 4	--	--	--
1407	639798.5	4168111.2	Roadway/Waterway	Scenario 4	--	--	--
1408	639823.5	4168111.2	Roadway/Waterway	Scenario 4	--	--	--
1409	639848.5	4168111.2	Roadway/Waterway	Scenario 4	--	--	--
1410	639873.5	4168111.2	Roadway/Waterway	Scenario 4	--	--	--
1411	639898.5	4168111.2	Roadway/Waterway	Scenario 4	--	--	--
1412	639923.5	4168111.2	Roadway/Waterway	Scenario 4	--	--	--
1413	642498.5	4168111.2	Roadway/Waterway	Scenario 4	--	--	--
1414	642523.5	4168111.2	Roadway/Waterway	Scenario 4	--	--	--
1415	642548.5	4168111.2	Roadway/Waterway	Scenario 4	--	--	--
1416	642573.5	4168111.2	Roadway/Waterway	Scenario 4	--	--	--
1417	642598.5	4168111.2	Roadway/Waterway	Scenario 4	--	--	--
1418	639748.5	4168136.2	Roadway/Waterway	Scenario 4	--	--	--
1419	639773.5	4168136.2	Roadway/Waterway	Scenario 4	--	--	--
1420	639798.5	4168136.2	Roadway/Waterway	Scenario 4	--	--	--
1421	639823.5	4168136.2	Roadway/Waterway	Scenario 4	--	--	--
1422	639848.5	4168136.2	Roadway/Waterway	Scenario 4	--	--	--
1423	639873.5	4168136.2	Roadway/Waterway	Scenario 4	--	--	--
1424	639898.5	4168136.2	Roadway/Waterway	Scenario 4	--	--	--
1425	642473.5	4168136.2	Roadway/Waterway	Scenario 4	--	--	--
1426	642498.5	4168136.2	Roadway/Waterway	Scenario 4	--	--	--
1427	642523.5	4168136.2	Roadway/Waterway	Scenario 4	--	--	--
1428	642548.5	4168136.2	Roadway/Waterway	Scenario 4	--	--	--
1429	642573.5	4168136.2	Roadway/Waterway	Scenario 4	--	--	--
1430	639698.5	4168161.2	Roadway/Waterway	Scenario 4	--	--	--
1431	639723.5	4168161.2	Roadway/Waterway	Scenario 4	--	--	--
1432	639748.5	4168161.2	Roadway/Waterway	Scenario 4	--	--	--
1433	639773.5	4168161.2	Roadway/Waterway	Scenario 4	--	--	--
1434	639798.5	4168161.2	Roadway/Waterway	Scenario 4	--	--	--
1435	639823.5	4168161.2	Roadway/Waterway	Scenario 4	--	--	--
1436	639848.5	4168161.2	Roadway/Waterway	Scenario 4	--	--	--
1437	642448.5	4168161.2	Roadway/Waterway	Scenario 4	--	--	--
1438	642473.5	4168161.2	Roadway/Waterway	Scenario 4	--	--	--
1439	642498.5	4168161.2	Roadway/Waterway	Scenario 4	--	--	--
1440	642523.5	4168161.2	Roadway/Waterway	Scenario 4	--	--	--
1441	639673.5	4168186.2	Roadway/Waterway	Scenario 4	--	--	--
1442	639698.5	4168186.2	Roadway/Waterway	Scenario 4	--	--	--
1443	639723.5	4168186.2	Roadway/Waterway	Scenario 4	--	--	--
1444	639748.5	4168186.2	Roadway/Waterway	Scenario 4	--	--	--
1445	639773.5	4168186.2	Roadway/Waterway	Scenario 4	--	--	--
1446	639798.5	4168186.2	Roadway/Waterway	Scenario 4	--	--	--
1447	639823.5	4168186.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1448	642423.5	4168186.2	Roadway/Waterway	Scenario 4	--	--	--
1449	642448.5	4168186.2	Roadway/Waterway	Scenario 4	--	--	--
1450	642473.5	4168186.2	Roadway/Waterway	Scenario 4	--	--	--
1451	642498.5	4168186.2	Roadway/Waterway	Scenario 4	--	--	--
1452	639648.5	4168211.2	Roadway/Waterway	Scenario 4	--	--	--
1453	639673.5	4168211.2	Roadway/Waterway	Scenario 4	--	--	--
1454	639698.5	4168211.2	Roadway/Waterway	Scenario 4	--	--	--
1455	639723.5	4168211.2	Roadway/Waterway	Scenario 4	--	--	--
1456	639748.5	4168211.2	Roadway/Waterway	Scenario 4	--	--	--
1457	639773.5	4168211.2	Roadway/Waterway	Scenario 4	--	--	--
1458	642398.5	4168211.2	Roadway/Waterway	Scenario 4	--	--	--
1459	642423.5	4168211.2	Roadway/Waterway	Scenario 4	--	--	--
1460	642448.5	4168211.2	Roadway/Waterway	Scenario 4	--	--	--
1461	642473.5	4168211.2	Roadway/Waterway	Scenario 4	--	--	--
1462	639648.5	4168236.2	Roadway/Waterway	Scenario 4	--	--	--
1463	639673.5	4168236.2	Roadway/Waterway	Scenario 4	--	--	--
1464	639698.5	4168236.2	Roadway/Waterway	Scenario 4	--	--	--
1465	639723.5	4168236.2	Roadway/Waterway	Scenario 4	--	--	--
1466	639748.5	4168236.2	Roadway/Waterway	Scenario 4	--	--	--
1467	642373.5	4168236.2	Roadway/Waterway	Scenario 4	--	--	--
1468	642398.5	4168236.2	Roadway/Waterway	Scenario 4	--	--	--
1469	642423.5	4168236.2	Roadway/Waterway	Scenario 4	--	--	--
1470	642448.5	4168236.2	Roadway/Waterway	Scenario 4	--	--	--
1471	639648.5	4168261.2	Roadway/Waterway	Scenario 4	--	--	--
1472	639673.5	4168261.2	Roadway/Waterway	Scenario 4	--	--	--
1473	639698.5	4168261.2	Roadway/Waterway	Scenario 4	--	--	--
1474	642348.5	4168261.2	Roadway/Waterway	Scenario 4	--	--	--
1475	642373.5	4168261.2	Roadway/Waterway	Scenario 4	--	--	--
1476	642398.5	4168261.2	Roadway/Waterway	Scenario 4	--	--	--
1477	642423.5	4168261.2	Roadway/Waterway	Scenario 4	--	--	--
1478	639648.5	4168286.2	Roadway/Waterway	Scenario 4	--	--	--
1479	639673.5	4168286.2	Roadway/Waterway	Scenario 4	--	--	--
1480	642298.5	4168286.2	Roadway/Waterway	Scenario 4	--	--	--
1481	642323.5	4168286.2	Roadway/Waterway	Scenario 4	--	--	--
1482	642348.5	4168286.2	Roadway/Waterway	Scenario 4	--	--	--
1483	642373.5	4168286.2	Roadway/Waterway	Scenario 4	--	--	--
1484	642398.5	4168286.2	Roadway/Waterway	Scenario 4	--	--	--
1485	639723.5	4168311.2	Roadway/Waterway	Scenario 4	--	--	--
1486	642248.5	4168311.2	Roadway/Waterway	Scenario 4	--	--	--
1487	642273.5	4168311.2	Roadway/Waterway	Scenario 4	--	--	--
1488	642298.5	4168311.2	Roadway/Waterway	Scenario 4	--	--	--
1489	642323.5	4168311.2	Roadway/Waterway	Scenario 4	--	--	--
1490	642348.5	4168311.2	Roadway/Waterway	Scenario 4	--	--	--
1491	642373.5	4168311.2	Roadway/Waterway	Scenario 4	--	--	--
1492	639723.5	4168336.2	Roadway/Waterway	Scenario 4	--	--	--
1493	642198.5	4168336.2	Roadway/Waterway	Scenario 4	--	--	--
1494	642223.5	4168336.2	Roadway/Waterway	Scenario 4	--	--	--
1495	642248.5	4168336.2	Roadway/Waterway	Scenario 4	--	--	--
1496	642273.5	4168336.2	Roadway/Waterway	Scenario 4	--	--	--
1497	642298.5	4168336.2	Roadway/Waterway	Scenario 4	--	--	--
1498	642323.5	4168336.2	Roadway/Waterway	Scenario 4	--	--	--
1499	639373.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1500	639398.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1501	639423.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1502	639448.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1503	639473.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1504	639498.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1505	639523.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1506	639548.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1507	639723.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1508	642148.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1509	642173.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1510	642198.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1511	642223.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1512	642248.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1513	642273.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1514	642298.5	4168361.2	Roadway/Waterway	Scenario 4	--	--	--
1515	639323.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--
1516	639348.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--
1517	639373.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1518	639398.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--
1519	639423.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--
1520	639448.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--
1521	639473.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--
1522	639498.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--
1523	639723.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--
1524	642098.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--
1525	642123.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--
1526	642148.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--
1527	642173.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--
1528	642198.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--
1529	642223.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--
1530	642248.5	4168386.2	Roadway/Waterway	Scenario 4	--	--	--
1531	639298.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1532	639323.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1533	639348.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1534	639373.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1535	639398.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1536	639423.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1537	639448.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1538	639473.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1539	639723.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1540	642023.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1541	642048.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1542	642073.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1543	642098.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1544	642123.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1545	642148.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1546	642173.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1547	642198.5	4168411.2	Roadway/Waterway	Scenario 4	--	--	--
1548	639248.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1549	639273.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1550	639298.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1551	639323.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1552	639348.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1553	639373.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1554	639398.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1555	639423.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1556	639723.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1557	641973.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1558	641998.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1559	642023.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1560	642048.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1561	642073.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1562	642098.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1563	642123.5	4168436.2	Roadway/Waterway	Scenario 4	--	--	--
1564	639198.5	4168461.2	Roadway/Waterway	Scenario 4	--	--	--
1565	639223.5	4168461.2	Roadway/Waterway	Scenario 4	--	--	--
1566	639248.5	4168461.2	Roadway/Waterway	Scenario 4	--	--	--
1567	639273.5	4168461.2	Roadway/Waterway	Scenario 4	--	--	--
1568	639298.5	4168461.2	Roadway/Waterway	Scenario 4	--	--	--
1569	639323.5	4168461.2	Roadway/Waterway	Scenario 4	--	--	--
1570	639348.5	4168461.2	Roadway/Waterway	Scenario 4	--	--	--
1571	639373.5	4168461.2	Roadway/Waterway	Scenario 4	--	--	--
1572	641923.5	4168461.2	Roadway/Waterway	Scenario 4	--	--	--
1573	641948.5	4168461.2	Roadway/Waterway	Scenario 4	--	--	--
1574	641973.5	4168461.2	Roadway/Waterway	Scenario 4	--	--	--
1575	641998.5	4168461.2	Roadway/Waterway	Scenario 4	--	--	--
1576	642023.5	4168461.2	Roadway/Waterway	Scenario 4	--	--	--
1577	642048.5	4168461.2	Roadway/Waterway	Scenario 4	--	--	--
1578	642073.5	4168461.2	Roadway/Waterway	Scenario 4	--	--	--
1579	639173.5	4168486.2	Roadway/Waterway	Scenario 4	--	--	--
1580	639198.5	4168486.2	Roadway/Waterway	Scenario 4	--	--	--
1581	639223.5	4168486.2	Roadway/Waterway	Scenario 4	--	--	--
1582	639248.5	4168486.2	Roadway/Waterway	Scenario 4	--	--	--
1583	639273.5	4168486.2	Roadway/Waterway	Scenario 4	--	--	--
1584	639298.5	4168486.2	Roadway/Waterway	Scenario 4	--	--	--
1585	639323.5	4168486.2	Roadway/Waterway	Scenario 4	--	--	--
1586	641848.5	4168486.2	Roadway/Waterway	Scenario 4	--	--	--
1587	641873.5	4168486.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1588	641898.5	4168486.2	Roadway/Waterway	Scenario 4	--	--	--
1589	641923.5	4168486.2	Roadway/Waterway	Scenario 4	--	--	--
1590	641948.5	4168486.2	Roadway/Waterway	Scenario 4	--	--	--
1591	641973.5	4168486.2	Roadway/Waterway	Scenario 4	--	--	--
1592	641998.5	4168486.2	Roadway/Waterway	Scenario 4	--	--	--
1593	642023.5	4168486.2	Roadway/Waterway	Scenario 4	--	--	--
1594	639123.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1595	639148.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1596	639173.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1597	639198.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1598	639223.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1599	639248.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1600	639273.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1601	639298.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1602	641348.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1603	641798.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1604	641823.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1605	641848.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1606	641873.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1607	641898.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1608	641923.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1609	641948.5	4168511.2	Roadway/Waterway	Scenario 4	--	--	--
1610	639073.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1611	639098.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1612	639123.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1613	639148.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1614	639173.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1615	639198.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1616	639223.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1617	639248.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1618	641348.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1619	641723.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1620	641748.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1621	641773.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1622	641798.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1623	641823.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1624	641848.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1625	641873.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1626	641898.5	4168536.2	Roadway/Waterway	Scenario 4	--	--	--
1627	639048.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1628	639073.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1629	639098.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1630	639123.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1631	639148.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1632	639173.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1633	639198.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1634	641348.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1635	641648.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1636	641673.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1637	641698.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1638	641723.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1639	641748.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1640	641773.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1641	641798.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1642	641823.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1643	641848.5	4168561.2	Roadway/Waterway	Scenario 4	--	--	--
1644	638998.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1645	639023.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1646	639048.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1647	639073.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1648	639098.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1649	639123.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1650	639148.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1651	639173.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1652	641348.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1653	641573.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1654	641598.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1655	641623.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1656	641648.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1657	641673.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1658	641698.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1659	641723.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1660	641748.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1661	641773.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1662	641798.5	4168586.2	Roadway/Waterway	Scenario 4	--	--	--
1663	638948.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1664	638973.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1665	638998.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1666	639023.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1667	639048.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1668	639073.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1669	639098.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1670	639123.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1671	641348.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1672	641498.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1673	641523.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1674	641548.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1675	641573.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1676	641598.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1677	641623.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1678	641648.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1679	641673.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1680	641698.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1681	641723.5	4168611.2	Roadway/Waterway	Scenario 4	--	--	--
1682	638923.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1683	638948.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1684	638973.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1685	638998.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1686	639023.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1687	639048.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1688	639073.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1689	641348.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1690	641423.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1691	641448.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1692	641473.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1693	641498.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1694	641523.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1695	641548.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1696	641573.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1697	641598.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1698	641623.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1699	641648.5	4168636.2	Roadway/Waterway	Scenario 4	--	--	--
1700	638873.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1701	638898.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1702	638923.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1703	638948.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1704	638973.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1705	638998.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1706	639023.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1707	639048.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1708	641348.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1709	641373.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1710	641398.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1711	641423.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1712	641448.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1713	641473.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1714	641498.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1715	641523.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1716	641548.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1717	641573.5	4168661.2	Roadway/Waterway	Scenario 4	--	--	--
1718	638823.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1719	638848.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1720	638873.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1721	638898.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1722	638923.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1723	638948.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1724	638973.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1725	638998.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1726	641273.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1727	641298.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1728	641323.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1729	641348.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1730	641373.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1731	641398.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1732	641423.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1733	641448.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1734	641473.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1735	641498.5	4168686.2	Roadway/Waterway	Scenario 4	--	--	--
1736	638773.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1737	638798.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1738	638823.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1739	638848.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1740	638873.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1741	638898.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1742	638923.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1743	638948.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1744	641198.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1745	641223.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1746	641248.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1747	641273.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1748	641298.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1749	641323.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1750	641348.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1751	641373.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1752	641398.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1753	641423.5	4168711.2	Roadway/Waterway	Scenario 4	--	--	--
1754	638748.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1755	638773.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1756	638798.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1757	638823.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1758	638848.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1759	638873.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1760	638898.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1761	638923.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1762	640123.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1763	640148.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1764	640173.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1765	640198.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1766	640223.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1767	640248.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1768	640273.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1769	640298.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1770	641123.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1771	641148.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1772	641173.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1773	641198.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1774	641223.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1775	641248.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1776	641273.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1777	641298.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1778	641323.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1779	641348.5	4168736.2	Roadway/Waterway	Scenario 4	--	--	--
1780	638698.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1781	638723.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1782	638748.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1783	638773.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1784	638798.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1785	638823.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1786	638848.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1787	638873.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1788	640098.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1789	640123.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1790	640148.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1791	640173.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1792	640198.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1793	640223.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1794	640248.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1795	640273.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1796	640298.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1797	640323.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1798	640348.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1799	641048.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1800	641073.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1801	641098.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1802	641123.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1803	641148.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1804	641173.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1805	641198.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1806	641223.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1807	641248.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1808	641273.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
1809	638673.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1810	638698.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1811	638723.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1812	638748.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1813	638773.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1814	638798.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1815	638823.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1816	640048.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1817	640073.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1818	640098.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1819	640123.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1820	640148.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1821	640173.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1822	640198.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1823	640223.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1824	640248.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1825	640273.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1826	640298.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1827	640323.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1828	640348.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1829	640373.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1830	640398.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1831	640973.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1832	640998.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1833	641023.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1834	641048.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1835	641073.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1836	641098.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1837	641123.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1838	641148.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1839	641173.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1840	641198.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1841	641223.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
1842	638648.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1843	638673.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1844	638698.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1845	638723.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1846	638748.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1847	638773.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1848	638798.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1849	640048.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1850	640073.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1851	640098.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1852	640123.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1853	640148.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1854	640173.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1855	640198.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1856	640223.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1857	640248.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1858	640273.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1859	640298.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1860	640323.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1861	640348.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1862	640373.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1863	640398.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1864	640423.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1865	640448.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1866	640898.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1867	640923.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1868	640948.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1869	640973.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1870	640998.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1871	641023.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1872	641048.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1873	641073.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1874	641098.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1875	641123.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1876	641148.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
1877	638598.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1878	638623.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1879	638648.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1880	638673.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1881	638698.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1882	638723.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1883	638748.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1884	640023.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1885	640048.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1886	640073.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1887	640098.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1888	640123.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1889	640148.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1890	640298.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1891	640323.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1892	640348.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1893	640373.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1894	640398.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1895	640423.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1896	640448.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1897	640473.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1898	640498.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1899	640823.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1900	640848.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1901	640873.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1902	640898.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1903	640923.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1904	640948.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1905	640973.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1906	640998.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1907	641023.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1908	641048.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1909	641073.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
1910	638573.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1911	638598.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1912	638623.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1913	638648.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1914	638673.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1915	638698.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1916	638723.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1917	639998.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1918	640023.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1919	640048.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1920	640073.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1921	640098.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1922	640348.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1923	640373.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1924	640398.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1925	640423.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1926	640448.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1927	640473.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1928	640498.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1929	640523.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1930	640548.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1931	640748.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1932	640773.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1933	640798.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1934	640823.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1935	640848.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1936	640873.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1937	640898.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
1938	640923.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1939	640948.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1940	640973.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1941	640998.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
1942	638548.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1943	638573.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1944	638598.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1945	638623.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1946	638648.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1947	638673.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1948	639973.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1949	639998.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1950	640023.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1951	640048.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1952	640073.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1953	640398.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1954	640423.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1955	640448.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1956	640473.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1957	640498.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1958	640523.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1959	640548.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1960	640573.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1961	640598.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1962	640623.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1963	640648.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1964	640673.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1965	640698.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1966	640723.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1967	640748.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1968	640773.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1969	640798.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1970	640823.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1971	640848.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1972	640873.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1973	640898.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1974	640923.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
1975	638523.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1976	638548.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1977	638573.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1978	638598.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1979	638623.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1980	638648.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1981	639948.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1982	639973.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1983	639998.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1984	640023.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1985	640048.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1986	640448.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1987	640473.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1988	640498.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1989	640523.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1990	640548.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1991	640573.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1992	640598.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1993	640623.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1994	640648.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1995	640673.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1996	640698.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1997	640723.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1998	640748.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
1999	640773.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
2000	640798.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
2001	640823.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
2002	640848.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
2003	638473.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2004	638498.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2005	638523.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2006	638548.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2007	638573.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2008	638598.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2009	638623.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2010	639923.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2011	639948.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2012	639973.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2013	639998.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2014	640023.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2015	640448.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2016	640473.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2017	640498.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2018	640523.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2019	640548.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2020	640573.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2021	640598.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2022	640623.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2023	640648.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2024	640673.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2025	640698.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2026	640723.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2027	640748.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
2028	638448.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2029	638473.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2030	638498.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2031	638523.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2032	638548.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2033	638573.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2034	639898.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2035	639923.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2036	639948.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2037	639973.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2038	639998.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2039	640023.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2040	640448.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2041	640473.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2042	640498.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2043	640523.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2044	640598.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2045	640623.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2046	640648.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2047	640673.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
2048	638423.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2049	638448.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2050	638473.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2051	638498.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2052	638523.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2053	638548.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2054	639873.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2055	639898.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2056	639923.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2057	639948.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2058	639973.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2059	639998.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2060	640448.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2061	640473.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2062	640498.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2063	640523.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
2064	638398.5	4169011.2	Roadway/Waterway	Scenario 4	--	--	--
2065	638423.5	4169011.2	Roadway/Waterway	Scenario 4	--	--	--
2066	638448.5	4169011.2	Roadway/Waterway	Scenario 4	--	--	--
2067	638473.5	4169011.2	Roadway/Waterway	Scenario 4	--	--	--
2068	638498.5	4169011.2	Roadway/Waterway	Scenario 4	--	--	--
2069	638523.5	4169011.2	Roadway/Waterway	Scenario 4	--	--	--
2070	639848.5	4169011.2	Roadway/Waterway	Scenario 4	--	--	--
2071	639873.5	4169011.2	Roadway/Waterway	Scenario 4	--	--	--
2072	639898.5	4169011.2	Roadway/Waterway	Scenario 4	--	--	--
2073	639923.5	4169011.2	Roadway/Waterway	Scenario 4	--	--	--
2074	639948.5	4169011.2	Roadway/Waterway	Scenario 4	--	--	--
2075	639973.5	4169011.2	Roadway/Waterway	Scenario 4	--	--	--
2076	640473.5	4169011.2	Roadway/Waterway	Scenario 4	--	--	--
2077	640498.5	4169011.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2078	638373.5	4169036.2	Roadway/Waterway	Scenario 4	--	--	--
2079	638398.5	4169036.2	Roadway/Waterway	Scenario 4	--	--	--
2080	638423.5	4169036.2	Roadway/Waterway	Scenario 4	--	--	--
2081	638448.5	4169036.2	Roadway/Waterway	Scenario 4	--	--	--
2082	638473.5	4169036.2	Roadway/Waterway	Scenario 4	--	--	--
2083	638498.5	4169036.2	Roadway/Waterway	Scenario 4	--	--	--
2084	639823.5	4169036.2	Roadway/Waterway	Scenario 4	--	--	--
2085	639848.5	4169036.2	Roadway/Waterway	Scenario 4	--	--	--
2086	639873.5	4169036.2	Roadway/Waterway	Scenario 4	--	--	--
2087	639898.5	4169036.2	Roadway/Waterway	Scenario 4	--	--	--
2088	639923.5	4169036.2	Roadway/Waterway	Scenario 4	--	--	--
2089	639948.5	4169036.2	Roadway/Waterway	Scenario 4	--	--	--
2090	640498.5	4169036.2	Roadway/Waterway	Scenario 4	--	--	--
2091	638348.5	4169061.2	Roadway/Waterway	Scenario 4	--	--	--
2092	638373.5	4169061.2	Roadway/Waterway	Scenario 4	--	--	--
2093	638398.5	4169061.2	Roadway/Waterway	Scenario 4	--	--	--
2094	638423.5	4169061.2	Roadway/Waterway	Scenario 4	--	--	--
2095	638448.5	4169061.2	Roadway/Waterway	Scenario 4	--	--	--
2096	639823.5	4169061.2	Roadway/Waterway	Scenario 4	--	--	--
2097	639848.5	4169061.2	Roadway/Waterway	Scenario 4	--	--	--
2098	639873.5	4169061.2	Roadway/Waterway	Scenario 4	--	--	--
2099	639898.5	4169061.2	Roadway/Waterway	Scenario 4	--	--	--
2100	639923.5	4169061.2	Roadway/Waterway	Scenario 4	--	--	--
2101	640498.5	4169061.2	Roadway/Waterway	Scenario 4	--	--	--
2102	638323.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2103	638348.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2104	638373.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2105	638398.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2106	638423.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2107	638448.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2108	639648.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2109	639673.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2110	639698.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2111	639723.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2112	639748.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2113	639773.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2114	639798.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2115	639823.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2116	639848.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2117	639873.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2118	639898.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2119	640498.5	4169086.2	Roadway/Waterway	Scenario 4	--	--	--
2120	638298.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2121	638323.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2122	638348.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2123	638373.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2124	638398.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2125	638423.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2126	639598.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2127	639623.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2128	639648.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2129	639673.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2130	639698.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2131	639723.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2132	639748.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2133	639773.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2134	639798.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2135	639823.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2136	639848.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2137	639873.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2138	640498.5	4169111.2	Roadway/Waterway	Scenario 4	--	--	--
2139	638273.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2140	638298.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2141	638323.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2142	638348.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2143	638373.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2144	638398.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2145	639573.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2146	639598.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2147	639623.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2148	639648.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2149	639673.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2150	639698.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2151	639723.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2152	639748.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2153	639773.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2154	639798.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2155	639823.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2156	639848.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2157	640498.5	4169136.2	Roadway/Waterway	Scenario 4	--	--	--
2158	638248.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2159	638273.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2160	638298.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2161	638323.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2162	638348.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2163	638373.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2164	639548.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2165	639573.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2166	639598.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2167	639623.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2168	639648.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2169	639673.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2170	639698.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2171	639723.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2172	639748.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2173	639773.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2174	639798.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2175	639823.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2176	640498.5	4169161.2	Roadway/Waterway	Scenario 4	--	--	--
2177	638223.5	4169186.2	Roadway/Waterway	Scenario 4	--	--	--
2178	638248.5	4169186.2	Roadway/Waterway	Scenario 4	--	--	--
2179	638273.5	4169186.2	Roadway/Waterway	Scenario 4	--	--	--
2180	638298.5	4169186.2	Roadway/Waterway	Scenario 4	--	--	--
2181	638323.5	4169186.2	Roadway/Waterway	Scenario 4	--	--	--
2182	638348.5	4169186.2	Roadway/Waterway	Scenario 4	--	--	--
2183	639548.5	4169186.2	Roadway/Waterway	Scenario 4	--	--	--
2184	639573.5	4169186.2	Roadway/Waterway	Scenario 4	--	--	--
2185	639598.5	4169186.2	Roadway/Waterway	Scenario 4	--	--	--
2186	639623.5	4169186.2	Roadway/Waterway	Scenario 4	--	--	--
2187	639648.5	4169186.2	Roadway/Waterway	Scenario 4	--	--	--
2188	640498.5	4169186.2	Roadway/Waterway	Scenario 4	--	--	--
2189	638198.5	4169211.2	Roadway/Waterway	Scenario 4	--	--	--
2190	638223.5	4169211.2	Roadway/Waterway	Scenario 4	--	--	--
2191	638248.5	4169211.2	Roadway/Waterway	Scenario 4	--	--	--
2192	638273.5	4169211.2	Roadway/Waterway	Scenario 4	--	--	--
2193	638298.5	4169211.2	Roadway/Waterway	Scenario 4	--	--	--
2194	638323.5	4169211.2	Roadway/Waterway	Scenario 4	--	--	--
2195	639523.5	4169211.2	Roadway/Waterway	Scenario 4	--	--	--
2196	639548.5	4169211.2	Roadway/Waterway	Scenario 4	--	--	--
2197	639573.5	4169211.2	Roadway/Waterway	Scenario 4	--	--	--
2198	639598.5	4169211.2	Roadway/Waterway	Scenario 4	--	--	--
2199	639623.5	4169211.2	Roadway/Waterway	Scenario 4	--	--	--
2200	638173.5	4169236.2	Roadway/Waterway	Scenario 4	--	--	--
2201	638198.5	4169236.2	Roadway/Waterway	Scenario 4	--	--	--
2202	638223.5	4169236.2	Roadway/Waterway	Scenario 4	--	--	--
2203	638248.5	4169236.2	Roadway/Waterway	Scenario 4	--	--	--
2204	638273.5	4169236.2	Roadway/Waterway	Scenario 4	--	--	--
2205	638298.5	4169236.2	Roadway/Waterway	Scenario 4	--	--	--
2206	639523.5	4169236.2	Roadway/Waterway	Scenario 4	--	--	--
2207	639548.5	4169236.2	Roadway/Waterway	Scenario 4	--	--	--
2208	639573.5	4169236.2	Roadway/Waterway	Scenario 4	--	--	--
2209	639598.5	4169236.2	Roadway/Waterway	Scenario 4	--	--	--
2210	638148.5	4169261.2	Roadway/Waterway	Scenario 4	--	--	--
2211	638173.5	4169261.2	Roadway/Waterway	Scenario 4	--	--	--
2212	638198.5	4169261.2	Roadway/Waterway	Scenario 4	--	--	--
2213	638223.5	4169261.2	Roadway/Waterway	Scenario 4	--	--	--
2214	638248.5	4169261.2	Roadway/Waterway	Scenario 4	--	--	--
2215	638273.5	4169261.2	Roadway/Waterway	Scenario 4	--	--	--
2216	639498.5	4169261.2	Roadway/Waterway	Scenario 4	--	--	--
2217	639523.5	4169261.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2218	639548.5	4169261.2	Roadway/Waterway	Scenario 4	--	--	--
2219	639573.5	4169261.2	Roadway/Waterway	Scenario 4	--	--	--
2220	639598.5	4169261.2	Roadway/Waterway	Scenario 4	--	--	--
2221	638123.5	4169286.2	Roadway/Waterway	Scenario 4	--	--	--
2222	638148.5	4169286.2	Roadway/Waterway	Scenario 4	--	--	--
2223	638173.5	4169286.2	Roadway/Waterway	Scenario 4	--	--	--
2224	638198.5	4169286.2	Roadway/Waterway	Scenario 4	--	--	--
2225	638223.5	4169286.2	Roadway/Waterway	Scenario 4	--	--	--
2226	638248.5	4169286.2	Roadway/Waterway	Scenario 4	--	--	--
2227	639473.5	4169286.2	Roadway/Waterway	Scenario 4	--	--	--
2228	639498.5	4169286.2	Roadway/Waterway	Scenario 4	--	--	--
2229	639523.5	4169286.2	Roadway/Waterway	Scenario 4	--	--	--
2230	639548.5	4169286.2	Roadway/Waterway	Scenario 4	--	--	--
2231	639573.5	4169286.2	Roadway/Waterway	Scenario 4	--	--	--
2232	638098.5	4169311.2	Roadway/Waterway	Scenario 4	--	--	--
2233	638123.5	4169311.2	Roadway/Waterway	Scenario 4	--	--	--
2234	638148.5	4169311.2	Roadway/Waterway	Scenario 4	--	--	--
2235	638173.5	4169311.2	Roadway/Waterway	Scenario 4	--	--	--
2236	638198.5	4169311.2	Roadway/Waterway	Scenario 4	--	--	--
2237	638223.5	4169311.2	Roadway/Waterway	Scenario 4	--	--	--
2238	639473.5	4169311.2	Roadway/Waterway	Scenario 4	--	--	--
2239	639498.5	4169311.2	Roadway/Waterway	Scenario 4	--	--	--
2240	639523.5	4169311.2	Roadway/Waterway	Scenario 4	--	--	--
2241	639548.5	4169311.2	Roadway/Waterway	Scenario 4	--	--	--
2242	638073.5	4169336.2	Roadway/Waterway	Scenario 4	--	--	--
2243	638098.5	4169336.2	Roadway/Waterway	Scenario 4	--	--	--
2244	638123.5	4169336.2	Roadway/Waterway	Scenario 4	--	--	--
2245	638148.5	4169336.2	Roadway/Waterway	Scenario 4	--	--	--
2246	638173.5	4169336.2	Roadway/Waterway	Scenario 4	--	--	--
2247	638198.5	4169336.2	Roadway/Waterway	Scenario 4	--	--	--
2248	639448.5	4169336.2	Roadway/Waterway	Scenario 4	--	--	--
2249	639473.5	4169336.2	Roadway/Waterway	Scenario 4	--	--	--
2250	639498.5	4169336.2	Roadway/Waterway	Scenario 4	--	--	--
2251	639523.5	4169336.2	Roadway/Waterway	Scenario 4	--	--	--
2252	639548.5	4169336.2	Roadway/Waterway	Scenario 4	--	--	--
2253	638048.5	4169361.2	Roadway/Waterway	Scenario 4	--	--	--
2254	638073.5	4169361.2	Roadway/Waterway	Scenario 4	--	--	--
2255	638098.5	4169361.2	Roadway/Waterway	Scenario 4	--	--	--
2256	638123.5	4169361.2	Roadway/Waterway	Scenario 4	--	--	--
2257	638148.5	4169361.2	Roadway/Waterway	Scenario 4	--	--	--
2258	638173.5	4169361.2	Roadway/Waterway	Scenario 4	--	--	--
2259	639398.5	4169361.2	Roadway/Waterway	Scenario 4	--	--	--
2260	639423.5	4169361.2	Roadway/Waterway	Scenario 4	--	--	--
2261	639448.5	4169361.2	Roadway/Waterway	Scenario 4	--	--	--
2262	639473.5	4169361.2	Roadway/Waterway	Scenario 4	--	--	--
2263	639498.5	4169361.2	Roadway/Waterway	Scenario 4	--	--	--
2264	639523.5	4169361.2	Roadway/Waterway	Scenario 4	--	--	--
2265	638023.5	4169386.2	Roadway/Waterway	Scenario 4	--	--	--
2266	638048.5	4169386.2	Roadway/Waterway	Scenario 4	--	--	--
2267	638073.5	4169386.2	Roadway/Waterway	Scenario 4	--	--	--
2268	638098.5	4169386.2	Roadway/Waterway	Scenario 4	--	--	--
2269	638123.5	4169386.2	Roadway/Waterway	Scenario 4	--	--	--
2270	638148.5	4169386.2	Roadway/Waterway	Scenario 4	--	--	--
2271	639373.5	4169386.2	Roadway/Waterway	Scenario 4	--	--	--
2272	639398.5	4169386.2	Roadway/Waterway	Scenario 4	--	--	--
2273	639423.5	4169386.2	Roadway/Waterway	Scenario 4	--	--	--
2274	639448.5	4169386.2	Roadway/Waterway	Scenario 4	--	--	--
2275	639473.5	4169386.2	Roadway/Waterway	Scenario 4	--	--	--
2276	639498.5	4169386.2	Roadway/Waterway	Scenario 4	--	--	--
2277	641323.5	4169386.2	Roadway/Waterway	Scenario 4	--	--	--
2278	638023.5	4169411.2	Roadway/Waterway	Scenario 4	--	--	--
2279	638048.5	4169411.2	Roadway/Waterway	Scenario 4	--	--	--
2280	638073.5	4169411.2	Roadway/Waterway	Scenario 4	--	--	--
2281	638098.5	4169411.2	Roadway/Waterway	Scenario 4	--	--	--
2282	638123.5	4169411.2	Roadway/Waterway	Scenario 4	--	--	--
2283	639348.5	4169411.2	Roadway/Waterway	Scenario 4	--	--	--
2284	639373.5	4169411.2	Roadway/Waterway	Scenario 4	--	--	--
2285	639398.5	4169411.2	Roadway/Waterway	Scenario 4	--	--	--
2286	639423.5	4169411.2	Roadway/Waterway	Scenario 4	--	--	--
2287	639448.5	4169411.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2288	639473.5	4169411.2	Roadway/Waterway	Scenario 4	--	--	--
2289	641323.5	4169411.2	Roadway/Waterway	Scenario 4	--	--	--
2290	637998.5	4169436.2	Roadway/Waterway	Scenario 4	--	--	--
2291	638023.5	4169436.2	Roadway/Waterway	Scenario 4	--	--	--
2292	638048.5	4169436.2	Roadway/Waterway	Scenario 4	--	--	--
2293	638073.5	4169436.2	Roadway/Waterway	Scenario 4	--	--	--
2294	638098.5	4169436.2	Roadway/Waterway	Scenario 4	--	--	--
2295	639323.5	4169436.2	Roadway/Waterway	Scenario 4	--	--	--
2296	639348.5	4169436.2	Roadway/Waterway	Scenario 4	--	--	--
2297	639373.5	4169436.2	Roadway/Waterway	Scenario 4	--	--	--
2298	639398.5	4169436.2	Roadway/Waterway	Scenario 4	--	--	--
2299	639423.5	4169436.2	Roadway/Waterway	Scenario 4	--	--	--
2300	639448.5	4169436.2	Roadway/Waterway	Scenario 4	--	--	--
2301	641323.5	4169436.2	Roadway/Waterway	Scenario 4	--	--	--
2302	637998.5	4169461.2	Roadway/Waterway	Scenario 4	--	--	--
2303	638023.5	4169461.2	Roadway/Waterway	Scenario 4	--	--	--
2304	638048.5	4169461.2	Roadway/Waterway	Scenario 4	--	--	--
2305	638073.5	4169461.2	Roadway/Waterway	Scenario 4	--	--	--
2306	639298.5	4169461.2	Roadway/Waterway	Scenario 4	--	--	--
2307	639323.5	4169461.2	Roadway/Waterway	Scenario 4	--	--	--
2308	639348.5	4169461.2	Roadway/Waterway	Scenario 4	--	--	--
2309	639373.5	4169461.2	Roadway/Waterway	Scenario 4	--	--	--
2310	639398.5	4169461.2	Roadway/Waterway	Scenario 4	--	--	--
2311	639423.5	4169461.2	Roadway/Waterway	Scenario 4	--	--	--
2312	641323.5	4169461.2	Roadway/Waterway	Scenario 4	--	--	--
2313	637998.5	4169486.2	Roadway/Waterway	Scenario 4	--	--	--
2314	638023.5	4169486.2	Roadway/Waterway	Scenario 4	--	--	--
2315	638048.5	4169486.2	Roadway/Waterway	Scenario 4	--	--	--
2316	639248.5	4169486.2	Roadway/Waterway	Scenario 4	--	--	--
2317	639273.5	4169486.2	Roadway/Waterway	Scenario 4	--	--	--
2318	639298.5	4169486.2	Roadway/Waterway	Scenario 4	--	--	--
2319	639323.5	4169486.2	Roadway/Waterway	Scenario 4	--	--	--
2320	639348.5	4169486.2	Roadway/Waterway	Scenario 4	--	--	--
2321	639373.5	4169486.2	Roadway/Waterway	Scenario 4	--	--	--
2322	637998.5	4169511.2	Roadway/Waterway	Scenario 4	--	--	--
2323	638023.5	4169511.2	Roadway/Waterway	Scenario 4	--	--	--
2324	639223.5	4169511.2	Roadway/Waterway	Scenario 4	--	--	--
2325	639248.5	4169511.2	Roadway/Waterway	Scenario 4	--	--	--
2326	639273.5	4169511.2	Roadway/Waterway	Scenario 4	--	--	--
2327	639298.5	4169511.2	Roadway/Waterway	Scenario 4	--	--	--
2328	639323.5	4169511.2	Roadway/Waterway	Scenario 4	--	--	--
2329	639348.5	4169511.2	Roadway/Waterway	Scenario 4	--	--	--
2330	637998.5	4169536.2	Roadway/Waterway	Scenario 4	--	--	--
2331	639198.5	4169536.2	Roadway/Waterway	Scenario 4	--	--	--
2332	639223.5	4169536.2	Roadway/Waterway	Scenario 4	--	--	--
2333	639248.5	4169536.2	Roadway/Waterway	Scenario 4	--	--	--
2334	639273.5	4169536.2	Roadway/Waterway	Scenario 4	--	--	--
2335	639298.5	4169536.2	Roadway/Waterway	Scenario 4	--	--	--
2336	639323.5	4169536.2	Roadway/Waterway	Scenario 4	--	--	--
2337	639173.5	4169561.2	Roadway/Waterway	Scenario 4	--	--	--
2338	639198.5	4169561.2	Roadway/Waterway	Scenario 4	--	--	--
2339	639223.5	4169561.2	Roadway/Waterway	Scenario 4	--	--	--
2340	639248.5	4169561.2	Roadway/Waterway	Scenario 4	--	--	--
2341	639273.5	4169561.2	Roadway/Waterway	Scenario 4	--	--	--
2342	639298.5	4169561.2	Roadway/Waterway	Scenario 4	--	--	--
2343	639123.5	4169586.2	Roadway/Waterway	Scenario 4	--	--	--
2344	639148.5	4169586.2	Roadway/Waterway	Scenario 4	--	--	--
2345	639173.5	4169586.2	Roadway/Waterway	Scenario 4	--	--	--
2346	639198.5	4169586.2	Roadway/Waterway	Scenario 4	--	--	--
2347	639223.5	4169586.2	Roadway/Waterway	Scenario 4	--	--	--
2348	639248.5	4169586.2	Roadway/Waterway	Scenario 4	--	--	--
2349	639273.5	4169586.2	Roadway/Waterway	Scenario 4	--	--	--
2350	639098.5	4169611.2	Roadway/Waterway	Scenario 4	--	--	--
2351	639123.5	4169611.2	Roadway/Waterway	Scenario 4	--	--	--
2352	639148.5	4169611.2	Roadway/Waterway	Scenario 4	--	--	--
2353	639173.5	4169611.2	Roadway/Waterway	Scenario 4	--	--	--
2354	639198.5	4169611.2	Roadway/Waterway	Scenario 4	--	--	--
2355	639223.5	4169611.2	Roadway/Waterway	Scenario 4	--	--	--
2356	639073.5	4169636.2	Roadway/Waterway	Scenario 4	--	--	--
2357	639098.5	4169636.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2358	639123.5	4169636.2	Roadway/Waterway	Scenario 4	--	--	--
2359	639148.5	4169636.2	Roadway/Waterway	Scenario 4	--	--	--
2360	639173.5	4169636.2	Roadway/Waterway	Scenario 4	--	--	--
2361	639198.5	4169636.2	Roadway/Waterway	Scenario 4	--	--	--
2362	639048.5	4169661.2	Roadway/Waterway	Scenario 4	--	--	--
2363	639073.5	4169661.2	Roadway/Waterway	Scenario 4	--	--	--
2364	639098.5	4169661.2	Roadway/Waterway	Scenario 4	--	--	--
2365	639123.5	4169661.2	Roadway/Waterway	Scenario 4	--	--	--
2366	639148.5	4169661.2	Roadway/Waterway	Scenario 4	--	--	--
2367	639173.5	4169661.2	Roadway/Waterway	Scenario 4	--	--	--
2368	639023.5	4169686.2	Roadway/Waterway	Scenario 4	--	--	--
2369	639048.5	4169686.2	Roadway/Waterway	Scenario 4	--	--	--
2370	639073.5	4169686.2	Roadway/Waterway	Scenario 4	--	--	--
2371	639098.5	4169686.2	Roadway/Waterway	Scenario 4	--	--	--
2372	639123.5	4169686.2	Roadway/Waterway	Scenario 4	--	--	--
2373	639148.5	4169686.2	Roadway/Waterway	Scenario 4	--	--	--
2374	638998.5	4169711.2	Roadway/Waterway	Scenario 4	--	--	--
2375	639023.5	4169711.2	Roadway/Waterway	Scenario 4	--	--	--
2376	639048.5	4169711.2	Roadway/Waterway	Scenario 4	--	--	--
2377	639073.5	4169711.2	Roadway/Waterway	Scenario 4	--	--	--
2378	639098.5	4169711.2	Roadway/Waterway	Scenario 4	--	--	--
2379	639123.5	4169711.2	Roadway/Waterway	Scenario 4	--	--	--
2380	638973.5	4169736.2	Roadway/Waterway	Scenario 4	--	--	--
2381	638998.5	4169736.2	Roadway/Waterway	Scenario 4	--	--	--
2382	639023.5	4169736.2	Roadway/Waterway	Scenario 4	--	--	--
2383	639048.5	4169736.2	Roadway/Waterway	Scenario 4	--	--	--
2384	639073.5	4169736.2	Roadway/Waterway	Scenario 4	--	--	--
2385	638948.5	4169761.2	Roadway/Waterway	Scenario 4	--	--	--
2386	638973.5	4169761.2	Roadway/Waterway	Scenario 4	--	--	--
2387	638998.5	4169761.2	Roadway/Waterway	Scenario 4	--	--	--
2388	639023.5	4169761.2	Roadway/Waterway	Scenario 4	--	--	--
2389	639048.5	4169761.2	Roadway/Waterway	Scenario 4	--	--	--
2390	638948.5	4169786.2	Roadway/Waterway	Scenario 4	--	--	--
2391	638973.5	4169786.2	Roadway/Waterway	Scenario 4	--	--	--
2392	638998.5	4169786.2	Roadway/Waterway	Scenario 4	--	--	--
2393	639023.5	4169786.2	Roadway/Waterway	Scenario 4	--	--	--
2394	638923.5	4169811.2	Roadway/Waterway	Scenario 4	--	--	--
2395	638948.5	4169811.2	Roadway/Waterway	Scenario 4	--	--	--
2396	638973.5	4169811.2	Roadway/Waterway	Scenario 4	--	--	--
2397	638998.5	4169811.2	Roadway/Waterway	Scenario 4	--	--	--
2398	639023.5	4169811.2	Roadway/Waterway	Scenario 4	--	--	--
2399	638898.5	4169836.2	Roadway/Waterway	Scenario 4	--	--	--
2400	638923.5	4169836.2	Roadway/Waterway	Scenario 4	--	--	--
2401	638948.5	4169836.2	Roadway/Waterway	Scenario 4	--	--	--
2402	638973.5	4169836.2	Roadway/Waterway	Scenario 4	--	--	--
2403	638998.5	4169836.2	Roadway/Waterway	Scenario 4	--	--	--
2404	638873.5	4169861.2	Roadway/Waterway	Scenario 4	--	--	--
2405	638898.5	4169861.2	Roadway/Waterway	Scenario 4	--	--	--
2406	638923.5	4169861.2	Roadway/Waterway	Scenario 4	--	--	--
2407	638948.5	4169861.2	Roadway/Waterway	Scenario 4	--	--	--
2408	638973.5	4169861.2	Roadway/Waterway	Scenario 4	--	--	--
2409	638848.5	4169886.2	Roadway/Waterway	Scenario 4	--	--	--
2410	638873.5	4169886.2	Roadway/Waterway	Scenario 4	--	--	--
2411	638898.5	4169886.2	Roadway/Waterway	Scenario 4	--	--	--
2412	638923.5	4169886.2	Roadway/Waterway	Scenario 4	--	--	--
2413	638948.5	4169886.2	Roadway/Waterway	Scenario 4	--	--	--
2414	638823.5	4169911.2	Roadway/Waterway	Scenario 4	--	--	--
2415	638848.5	4169911.2	Roadway/Waterway	Scenario 4	--	--	--
2416	638873.5	4169911.2	Roadway/Waterway	Scenario 4	--	--	--
2417	638898.5	4169911.2	Roadway/Waterway	Scenario 4	--	--	--
2418	638923.5	4169911.2	Roadway/Waterway	Scenario 4	--	--	--
2419	638798.5	4169936.2	Roadway/Waterway	Scenario 4	--	--	--
2420	638823.5	4169936.2	Roadway/Waterway	Scenario 4	--	--	--
2421	638848.5	4169936.2	Roadway/Waterway	Scenario 4	--	--	--
2422	638873.5	4169936.2	Roadway/Waterway	Scenario 4	--	--	--
2423	638898.5	4169936.2	Roadway/Waterway	Scenario 4	--	--	--
2424	638798.5	4169961.2	Roadway/Waterway	Scenario 4	--	--	--
2425	638823.5	4169961.2	Roadway/Waterway	Scenario 4	--	--	--
2426	638848.5	4169961.2	Roadway/Waterway	Scenario 4	--	--	--
2427	638873.5	4169961.2	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2428	638798.5	4169986.2	Roadway/Waterway	Scenario 4	--	--	--
2429	638823.5	4169986.2	Roadway/Waterway	Scenario 4	--	--	--
2430	638848.5	4169986.2	Roadway/Waterway	Scenario 4	--	--	--
2431	638873.5	4169986.2	Roadway/Waterway	Scenario 4	--	--	--
2432	638098.5	4170011.2	Roadway/Waterway	Scenario 4	--	--	--
2433	638123.5	4170011.2	Roadway/Waterway	Scenario 4	--	--	--
2434	638148.5	4170011.2	Roadway/Waterway	Scenario 4	--	--	--
2435	638173.5	4170011.2	Roadway/Waterway	Scenario 4	--	--	--
2436	638198.5	4170011.2	Roadway/Waterway	Scenario 4	--	--	--
2437	638223.5	4170011.2	Roadway/Waterway	Scenario 4	--	--	--
2438	638248.5	4170011.2	Roadway/Waterway	Scenario 4	--	--	--
2439	638273.5	4170011.2	Roadway/Waterway	Scenario 4	--	--	--
2440	638298.5	4170011.2	Roadway/Waterway	Scenario 4	--	--	--
2441	638773.5	4170011.2	Roadway/Waterway	Scenario 4	--	--	--
2442	638798.5	4170011.2	Roadway/Waterway	Scenario 4	--	--	--
2443	638823.5	4170011.2	Roadway/Waterway	Scenario 4	--	--	--
2444	638848.5	4170011.2	Roadway/Waterway	Scenario 4	--	--	--
2445	638773.5	4170036.2	Roadway/Waterway	Scenario 4	--	--	--
2446	638798.5	4170036.2	Roadway/Waterway	Scenario 4	--	--	--
2447	638823.5	4170036.2	Roadway/Waterway	Scenario 4	--	--	--
2448	638848.5	4170036.2	Roadway/Waterway	Scenario 4	--	--	--
2449	638773.5	4170061.2	Roadway/Waterway	Scenario 4	--	--	--
2450	638798.5	4170061.2	Roadway/Waterway	Scenario 4	--	--	--
2451	638823.5	4170061.2	Roadway/Waterway	Scenario 4	--	--	--
2452	638848.5	4170061.2	Roadway/Waterway	Scenario 4	--	--	--
2453	638748.5	4170086.2	Roadway/Waterway	Scenario 4	--	--	--
2454	638773.5	4170086.2	Roadway/Waterway	Scenario 4	--	--	--
2455	638798.5	4170086.2	Roadway/Waterway	Scenario 4	--	--	--
2456	638823.5	4170086.2	Roadway/Waterway	Scenario 4	--	--	--
2457	638723.5	4170111.2	Roadway/Waterway	Scenario 4	--	--	--
2458	638748.5	4170111.2	Roadway/Waterway	Scenario 4	--	--	--
2459	638773.5	4170111.2	Roadway/Waterway	Scenario 4	--	--	--
2460	638798.5	4170111.2	Roadway/Waterway	Scenario 4	--	--	--
2461	642611.0	4166673.7	Roadway/Waterway	Scenario 4	--	--	--
2462	642661.0	4166673.7	Roadway/Waterway	Scenario 4	--	--	--
2463	642461.0	4166723.7	Roadway/Waterway	Scenario 4	--	--	--
2464	642511.0	4166723.7	Roadway/Waterway	Scenario 4	--	--	--
2465	642561.0	4166723.7	Roadway/Waterway	Scenario 4	--	--	--
2466	642611.0	4166723.7	Roadway/Waterway	Scenario 4	--	--	--
2467	641311.0	4166773.7	Roadway/Waterway	Scenario 4	--	--	--
2468	641361.0	4166773.7	Roadway/Waterway	Scenario 4	--	--	--
2469	641411.0	4166773.7	Roadway/Waterway	Scenario 4	--	--	--
2470	642411.0	4166773.7	Roadway/Waterway	Scenario 4	--	--	--
2471	642461.0	4166773.7	Roadway/Waterway	Scenario 4	--	--	--
2472	642511.0	4166773.7	Roadway/Waterway	Scenario 4	--	--	--
2473	642561.0	4166773.7	Roadway/Waterway	Scenario 4	--	--	--
2474	641261.0	4166823.7	Roadway/Waterway	Scenario 4	--	--	--
2475	641311.0	4166823.7	Roadway/Waterway	Scenario 4	--	--	--
2476	641361.0	4166823.7	Roadway/Waterway	Scenario 4	--	--	--
2477	641411.0	4166823.7	Roadway/Waterway	Scenario 4	--	--	--
2478	641461.0	4166823.7	Roadway/Waterway	Scenario 4	--	--	--
2479	642361.0	4166823.7	Roadway/Waterway	Scenario 4	--	--	--
2480	642411.0	4166823.7	Roadway/Waterway	Scenario 4	--	--	--
2481	642461.0	4166823.7	Roadway/Waterway	Scenario 4	--	--	--
2482	642511.0	4166823.7	Roadway/Waterway	Scenario 4	--	--	--
2483	642561.0	4166823.7	Roadway/Waterway	Scenario 4	--	--	--
2484	644361.0	4166823.7	Roadway/Waterway	Scenario 4	--	--	--
2485	644561.0	4166823.7	Roadway/Waterway	Scenario 4	--	--	--
2486	644611.0	4166823.7	Roadway/Waterway	Scenario 4	--	--	--
2487	644661.0	4166823.7	Roadway/Waterway	Scenario 4	--	--	--
2488	641211.0	4166873.7	Roadway/Waterway	Scenario 4	--	--	--
2489	641261.0	4166873.7	Roadway/Waterway	Scenario 4	--	--	--
2490	641311.0	4166873.7	Roadway/Waterway	Scenario 4	--	--	--
2491	641361.0	4166873.7	Roadway/Waterway	Scenario 4	--	--	--
2492	641411.0	4166873.7	Roadway/Waterway	Scenario 4	--	--	--
2493	641461.0	4166873.7	Roadway/Waterway	Scenario 4	--	--	--
2494	642311.0	4166873.7	Roadway/Waterway	Scenario 4	--	--	--
2495	644411.0	4166873.7	Roadway/Waterway	Scenario 4	--	--	--
2496	644461.0	4166873.7	Roadway/Waterway	Scenario 4	--	--	--
2497	644511.0	4166873.7	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2498	644561.0	4166873.7	Roadway/Waterway	Scenario 4	--	--	--
2499	644611.0	4166873.7	Roadway/Waterway	Scenario 4	--	--	--
2500	644661.0	4166873.7	Roadway/Waterway	Scenario 4	--	--	--
2501	644711.0	4166873.7	Roadway/Waterway	Scenario 4	--	--	--
2502	641161.0	4166923.7	Roadway/Waterway	Scenario 4	--	--	--
2503	641211.0	4166923.7	Roadway/Waterway	Scenario 4	--	--	--
2504	641261.0	4166923.7	Roadway/Waterway	Scenario 4	--	--	--
2505	641311.0	4166923.7	Roadway/Waterway	Scenario 4	--	--	--
2506	644511.0	4166923.7	Roadway/Waterway	Scenario 4	--	--	--
2507	644561.0	4166923.7	Roadway/Waterway	Scenario 4	--	--	--
2508	644611.0	4166923.7	Roadway/Waterway	Scenario 4	--	--	--
2509	644661.0	4166923.7	Roadway/Waterway	Scenario 4	--	--	--
2510	644711.0	4166923.7	Roadway/Waterway	Scenario 4	--	--	--
2511	644761.0	4166923.7	Roadway/Waterway	Scenario 4	--	--	--
2512	641161.0	4166973.7	Roadway/Waterway	Scenario 4	--	--	--
2513	641211.0	4166973.7	Roadway/Waterway	Scenario 4	--	--	--
2514	641261.0	4166973.7	Roadway/Waterway	Scenario 4	--	--	--
2515	644661.0	4166973.7	Roadway/Waterway	Scenario 4	--	--	--
2516	644711.0	4167273.7	Roadway/Waterway	Scenario 4	--	--	--
2517	644761.0	4167273.7	Roadway/Waterway	Scenario 4	--	--	--
2518	644811.0	4167273.7	Roadway/Waterway	Scenario 4	--	--	--
2519	644711.0	4167323.7	Roadway/Waterway	Scenario 4	--	--	--
2520	644761.0	4167323.7	Roadway/Waterway	Scenario 4	--	--	--
2521	644811.0	4167323.7	Roadway/Waterway	Scenario 4	--	--	--
2522	641161.0	4167473.7	Roadway/Waterway	Scenario 4	--	--	--
2523	641211.0	4167473.7	Roadway/Waterway	Scenario 4	--	--	--
2524	641261.0	4167473.7	Roadway/Waterway	Scenario 4	--	--	--
2525	641011.0	4167523.7	Roadway/Waterway	Scenario 4	--	--	--
2526	641061.0	4167523.7	Roadway/Waterway	Scenario 4	--	--	--
2527	641111.0	4167523.7	Roadway/Waterway	Scenario 4	--	--	--
2528	640861.0	4167573.7	Roadway/Waterway	Scenario 4	--	--	--
2529	640911.0	4167573.7	Roadway/Waterway	Scenario 4	--	--	--
2530	640711.0	4167623.7	Roadway/Waterway	Scenario 4	--	--	--
2531	640561.0	4167673.7	Roadway/Waterway	Scenario 4	--	--	--
2532	640111.0	4167873.7	Roadway/Waterway	Scenario 4	--	--	--
2533	639961.0	4167973.7	Roadway/Waterway	Scenario 4	--	--	--
2534	639861.0	4168023.7	Roadway/Waterway	Scenario 4	--	--	--
2535	639811.0	4168073.7	Roadway/Waterway	Scenario 4	--	--	--
2536	639711.0	4168123.7	Roadway/Waterway	Scenario 4	--	--	--
2537	639611.0	4168173.7	Roadway/Waterway	Scenario 4	--	--	--
2538	639661.0	4168173.7	Roadway/Waterway	Scenario 4	--	--	--
2539	639561.0	4168223.7	Roadway/Waterway	Scenario 4	--	--	--
2540	639611.0	4168223.7	Roadway/Waterway	Scenario 4	--	--	--
2541	639461.0	4168273.7	Roadway/Waterway	Scenario 4	--	--	--
2542	639511.0	4168273.7	Roadway/Waterway	Scenario 4	--	--	--
2543	639561.0	4168273.7	Roadway/Waterway	Scenario 4	--	--	--
2544	639611.0	4168273.7	Roadway/Waterway	Scenario 4	--	--	--
2545	639161.0	4168323.7	Roadway/Waterway	Scenario 4	--	--	--
2546	639411.0	4168323.7	Roadway/Waterway	Scenario 4	--	--	--
2547	639461.0	4168323.7	Roadway/Waterway	Scenario 4	--	--	--
2548	639511.0	4168323.7	Roadway/Waterway	Scenario 4	--	--	--
2549	639561.0	4168323.7	Roadway/Waterway	Scenario 4	--	--	--
2550	639611.0	4168323.7	Roadway/Waterway	Scenario 4	--	--	--
2551	639061.0	4168373.7	Roadway/Waterway	Scenario 4	--	--	--
2552	639311.0	4168373.7	Roadway/Waterway	Scenario 4	--	--	--
2553	639011.0	4168423.7	Roadway/Waterway	Scenario 4	--	--	--
2554	639211.0	4168423.7	Roadway/Waterway	Scenario 4	--	--	--
2555	638911.0	4168473.7	Roadway/Waterway	Scenario 4	--	--	--
2556	638961.0	4168473.7	Roadway/Waterway	Scenario 4	--	--	--
2557	639161.0	4168473.7	Roadway/Waterway	Scenario 4	--	--	--
2558	638811.0	4168523.7	Roadway/Waterway	Scenario 4	--	--	--
2559	638861.0	4168523.7	Roadway/Waterway	Scenario 4	--	--	--
2560	639061.0	4168523.7	Roadway/Waterway	Scenario 4	--	--	--
2561	638711.0	4168573.7	Roadway/Waterway	Scenario 4	--	--	--
2562	638761.0	4168573.7	Roadway/Waterway	Scenario 4	--	--	--
2563	638811.0	4168573.7	Roadway/Waterway	Scenario 4	--	--	--
2564	638661.0	4168623.7	Roadway/Waterway	Scenario 4	--	--	--
2565	638711.0	4168623.7	Roadway/Waterway	Scenario 4	--	--	--
2566	638761.0	4168623.7	Roadway/Waterway	Scenario 4	--	--	--
2567	638911.0	4168623.7	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2568	638561.0	4168673.7	Roadway/Waterway	Scenario 4	--	--	--
2569	638611.0	4168673.7	Roadway/Waterway	Scenario 4	--	--	--
2570	638661.0	4168673.7	Roadway/Waterway	Scenario 4	--	--	--
2571	638511.0	4168723.7	Roadway/Waterway	Scenario 4	--	--	--
2572	638561.0	4168723.7	Roadway/Waterway	Scenario 4	--	--	--
2573	638611.0	4168723.7	Roadway/Waterway	Scenario 4	--	--	--
2574	638461.0	4168773.7	Roadway/Waterway	Scenario 4	--	--	--
2575	638511.0	4168773.7	Roadway/Waterway	Scenario 4	--	--	--
2576	638411.0	4168823.7	Roadway/Waterway	Scenario 4	--	--	--
2577	638461.0	4168823.7	Roadway/Waterway	Scenario 4	--	--	--
2578	640211.0	4168823.7	Roadway/Waterway	Scenario 4	--	--	--
2579	638311.0	4168873.7	Roadway/Waterway	Scenario 4	--	--	--
2580	638361.0	4168873.7	Roadway/Waterway	Scenario 4	--	--	--
2581	638411.0	4168873.7	Roadway/Waterway	Scenario 4	--	--	--
2582	640111.0	4168873.7	Roadway/Waterway	Scenario 4	--	--	--
2583	640161.0	4168873.7	Roadway/Waterway	Scenario 4	--	--	--
2584	640261.0	4168873.7	Roadway/Waterway	Scenario 4	--	--	--
2585	640311.0	4168873.7	Roadway/Waterway	Scenario 4	--	--	--
2586	640361.0	4168873.7	Roadway/Waterway	Scenario 4	--	--	--
2587	638261.0	4168923.7	Roadway/Waterway	Scenario 4	--	--	--
2588	638311.0	4168923.7	Roadway/Waterway	Scenario 4	--	--	--
2589	640061.0	4168923.7	Roadway/Waterway	Scenario 4	--	--	--
2590	640411.0	4168923.7	Roadway/Waterway	Scenario 4	--	--	--
2591	638211.0	4168973.7	Roadway/Waterway	Scenario 4	--	--	--
2592	638261.0	4168973.7	Roadway/Waterway	Scenario 4	--	--	--
2593	638211.0	4169023.7	Roadway/Waterway	Scenario 4	--	--	--
2594	638311.0	4169073.7	Roadway/Waterway	Scenario 4	--	--	--
2595	638111.0	4169123.7	Roadway/Waterway	Scenario 4	--	--	--
2596	638261.0	4169123.7	Roadway/Waterway	Scenario 4	--	--	--
2597	638111.0	4169173.7	Roadway/Waterway	Scenario 4	--	--	--
2598	638211.0	4169173.7	Roadway/Waterway	Scenario 4	--	--	--
2599	638111.0	4169223.7	Roadway/Waterway	Scenario 4	--	--	--
2600	638161.0	4169223.7	Roadway/Waterway	Scenario 4	--	--	--
2601	639711.0	4169223.7	Roadway/Waterway	Scenario 4	--	--	--
2602	638111.0	4169273.7	Roadway/Waterway	Scenario 4	--	--	--
2603	639711.0	4169273.7	Roadway/Waterway	Scenario 4	--	--	--
2604	638061.0	4169323.7	Roadway/Waterway	Scenario 4	--	--	--
2605	639711.0	4169323.7	Roadway/Waterway	Scenario 4	--	--	--
2606	638011.0	4169373.7	Roadway/Waterway	Scenario 4	--	--	--
2607	637961.0	4169423.7	Roadway/Waterway	Scenario 4	--	--	--
2608	637911.0	4169473.7	Roadway/Waterway	Scenario 4	--	--	--
2609	637961.0	4169473.7	Roadway/Waterway	Scenario 4	--	--	--
2610	637861.0	4169523.7	Roadway/Waterway	Scenario 4	--	--	--
2611	637911.0	4169523.7	Roadway/Waterway	Scenario 4	--	--	--
2612	637961.0	4169523.7	Roadway/Waterway	Scenario 4	--	--	--
2613	641311.0	4169523.7	Roadway/Waterway	Scenario 4	--	--	--
2614	637861.0	4169573.7	Roadway/Waterway	Scenario 4	--	--	--
2615	637911.0	4169573.7	Roadway/Waterway	Scenario 4	--	--	--
2616	637961.0	4169573.7	Roadway/Waterway	Scenario 4	--	--	--
2617	641311.0	4169573.7	Roadway/Waterway	Scenario 4	--	--	--
2618	637861.0	4169623.7	Roadway/Waterway	Scenario 4	--	--	--
2619	637911.0	4169623.7	Roadway/Waterway	Scenario 4	--	--	--
2620	641311.0	4169623.7	Roadway/Waterway	Scenario 4	--	--	--
2621	637861.0	4169673.7	Roadway/Waterway	Scenario 4	--	--	--
2622	638861.0	4170073.7	Roadway/Waterway	Scenario 4	--	--	--
2623	638811.0	4170123.7	Roadway/Waterway	Scenario 4	--	--	--
2624	638861.0	4170123.7	Roadway/Waterway	Scenario 4	--	--	--
2625	638661.0	4170173.7	Roadway/Waterway	Scenario 4	--	--	--
2626	638711.0	4170173.7	Roadway/Waterway	Scenario 4	--	--	--
2627	638761.0	4170173.7	Roadway/Waterway	Scenario 4	--	--	--
2628	638811.0	4170173.7	Roadway/Waterway	Scenario 4	--	--	--
2629	638611.0	4170223.7	Roadway/Waterway	Scenario 4	--	--	--
2630	638661.0	4170223.7	Roadway/Waterway	Scenario 4	--	--	--
2631	638711.0	4170223.7	Roadway/Waterway	Scenario 4	--	--	--
2632	638761.0	4170223.7	Roadway/Waterway	Scenario 4	--	--	--
2633	638711.0	4170273.7	Roadway/Waterway	Scenario 4	--	--	--
2634	644236.2	4164448.9	Roadway/Waterway	Scenario 4	--	--	--
2635	644136.2	4164548.9	Roadway/Waterway	Scenario 4	--	--	--
2636	643936.2	4164648.9	Roadway/Waterway	Scenario 4	--	--	--
2637	644036.2	4164648.9	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2638	644636.2	4164648.9	Roadway/Waterway	Scenario 4	--	--	--
2639	643836.2	4164748.9	Roadway/Waterway	Scenario 4	--	--	--
2640	643936.2	4164748.9	Roadway/Waterway	Scenario 4	--	--	--
2641	644636.2	4164748.9	Roadway/Waterway	Scenario 4	--	--	--
2642	643736.2	4164848.9	Roadway/Waterway	Scenario 4	--	--	--
2643	643836.2	4164848.9	Roadway/Waterway	Scenario 4	--	--	--
2644	644636.2	4164848.9	Roadway/Waterway	Scenario 4	--	--	--
2645	643636.2	4164948.9	Roadway/Waterway	Scenario 4	--	--	--
2646	644636.2	4164948.9	Roadway/Waterway	Scenario 4	--	--	--
2647	643536.2	4165048.9	Roadway/Waterway	Scenario 4	--	--	--
2648	644636.2	4165048.9	Roadway/Waterway	Scenario 4	--	--	--
2649	645836.2	4165048.9	Roadway/Waterway	Scenario 4	--	--	--
2650	645936.2	4165048.9	Roadway/Waterway	Scenario 4	--	--	--
2651	643436.2	4165148.9	Roadway/Waterway	Scenario 4	--	--	--
2652	644636.2	4165148.9	Roadway/Waterway	Scenario 4	--	--	--
2653	645836.2	4165148.9	Roadway/Waterway	Scenario 4	--	--	--
2654	643236.2	4165248.9	Roadway/Waterway	Scenario 4	--	--	--
2655	643336.2	4165248.9	Roadway/Waterway	Scenario 4	--	--	--
2656	644636.2	4165248.9	Roadway/Waterway	Scenario 4	--	--	--
2657	645736.2	4165248.9	Roadway/Waterway	Scenario 4	--	--	--
2658	645836.2	4165248.9	Roadway/Waterway	Scenario 4	--	--	--
2659	646236.2	4165248.9	Roadway/Waterway	Scenario 4	--	--	--
2660	643136.2	4165348.9	Roadway/Waterway	Scenario 4	--	--	--
2661	644636.2	4165348.9	Roadway/Waterway	Scenario 4	--	--	--
2662	645736.2	4165348.9	Roadway/Waterway	Scenario 4	--	--	--
2663	645836.2	4165348.9	Roadway/Waterway	Scenario 4	--	--	--
2664	645936.2	4165348.9	Roadway/Waterway	Scenario 4	--	--	--
2665	646036.2	4165348.9	Roadway/Waterway	Scenario 4	--	--	--
2666	646136.2	4165348.9	Roadway/Waterway	Scenario 4	--	--	--
2667	646236.2	4165348.9	Roadway/Waterway	Scenario 4	--	--	--
2668	646336.2	4165348.9	Roadway/Waterway	Scenario 4	--	--	--
2669	643036.2	4165448.9	Roadway/Waterway	Scenario 4	--	--	--
2670	645736.2	4165448.9	Roadway/Waterway	Scenario 4	--	--	--
2671	645836.2	4165448.9	Roadway/Waterway	Scenario 4	--	--	--
2672	646236.2	4165448.9	Roadway/Waterway	Scenario 4	--	--	--
2673	642836.2	4165548.9	Roadway/Waterway	Scenario 4	--	--	--
2674	642936.2	4165548.9	Roadway/Waterway	Scenario 4	--	--	--
2675	645736.2	4165548.9	Roadway/Waterway	Scenario 4	--	--	--
2676	645836.2	4165548.9	Roadway/Waterway	Scenario 4	--	--	--
2677	646236.2	4165548.9	Roadway/Waterway	Scenario 4	--	--	--
2678	642736.2	4165648.9	Roadway/Waterway	Scenario 4	--	--	--
2679	645636.2	4165648.9	Roadway/Waterway	Scenario 4	--	--	--
2680	645736.2	4165648.9	Roadway/Waterway	Scenario 4	--	--	--
2681	646236.2	4165648.9	Roadway/Waterway	Scenario 4	--	--	--
2682	642636.2	4165748.9	Roadway/Waterway	Scenario 4	--	--	--
2683	645436.2	4165748.9	Roadway/Waterway	Scenario 4	--	--	--
2684	645536.2	4165748.9	Roadway/Waterway	Scenario 4	--	--	--
2685	645636.2	4165748.9	Roadway/Waterway	Scenario 4	--	--	--
2686	646236.2	4165748.9	Roadway/Waterway	Scenario 4	--	--	--
2687	642436.2	4165848.9	Roadway/Waterway	Scenario 4	--	--	--
2688	642536.2	4165848.9	Roadway/Waterway	Scenario 4	--	--	--
2689	645136.2	4165848.9	Roadway/Waterway	Scenario 4	--	--	--
2690	645236.2	4165848.9	Roadway/Waterway	Scenario 4	--	--	--
2691	645336.2	4165848.9	Roadway/Waterway	Scenario 4	--	--	--
2692	646236.2	4165848.9	Roadway/Waterway	Scenario 4	--	--	--
2693	641936.2	4165948.9	Roadway/Waterway	Scenario 4	--	--	--
2694	642336.2	4165948.9	Roadway/Waterway	Scenario 4	--	--	--
2695	644836.2	4165948.9	Roadway/Waterway	Scenario 4	--	--	--
2696	644936.2	4165948.9	Roadway/Waterway	Scenario 4	--	--	--
2697	645036.2	4165948.9	Roadway/Waterway	Scenario 4	--	--	--
2698	645136.2	4165948.9	Roadway/Waterway	Scenario 4	--	--	--
2699	646236.2	4165948.9	Roadway/Waterway	Scenario 4	--	--	--
2700	641536.2	4166048.9	Roadway/Waterway	Scenario 4	--	--	--
2701	642236.2	4166048.9	Roadway/Waterway	Scenario 4	--	--	--
2702	644436.2	4166048.9	Roadway/Waterway	Scenario 4	--	--	--
2703	644536.2	4166048.9	Roadway/Waterway	Scenario 4	--	--	--
2704	644636.2	4166048.9	Roadway/Waterway	Scenario 4	--	--	--
2705	644736.2	4166048.9	Roadway/Waterway	Scenario 4	--	--	--
2706	644836.2	4166048.9	Roadway/Waterway	Scenario 4	--	--	--
2707	646236.2	4166048.9	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2708	642036.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2709	642136.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2710	643136.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2711	643236.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2712	643336.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2713	643436.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2714	643536.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2715	643636.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2716	643736.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2717	643836.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2718	643936.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2719	644036.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2720	644136.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2721	644236.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2722	644336.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2723	644436.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2724	646236.2	4166148.9	Roadway/Waterway	Scenario 4	--	--	--
2725	643036.2	4166248.9	Roadway/Waterway	Scenario 4	--	--	--
2726	643136.2	4166248.9	Roadway/Waterway	Scenario 4	--	--	--
2727	643236.2	4166248.9	Roadway/Waterway	Scenario 4	--	--	--
2728	643336.2	4166248.9	Roadway/Waterway	Scenario 4	--	--	--
2729	643436.2	4166248.9	Roadway/Waterway	Scenario 4	--	--	--
2730	643536.2	4166248.9	Roadway/Waterway	Scenario 4	--	--	--
2731	643636.2	4166248.9	Roadway/Waterway	Scenario 4	--	--	--
2732	643736.2	4166248.9	Roadway/Waterway	Scenario 4	--	--	--
2733	643836.2	4166248.9	Roadway/Waterway	Scenario 4	--	--	--
2734	643936.2	4166248.9	Roadway/Waterway	Scenario 4	--	--	--
2735	644036.2	4166248.9	Roadway/Waterway	Scenario 4	--	--	--
2736	644136.2	4166248.9	Roadway/Waterway	Scenario 4	--	--	--
2737	646236.2	4166248.9	Roadway/Waterway	Scenario 4	--	--	--
2738	641736.2	4166348.9	Roadway/Waterway	Scenario 4	--	--	--
2739	641836.2	4166348.9	Roadway/Waterway	Scenario 4	--	--	--
2740	642936.2	4166348.9	Roadway/Waterway	Scenario 4	--	--	--
2741	646236.2	4166348.9	Roadway/Waterway	Scenario 4	--	--	--
2742	646936.2	4166348.9	Roadway/Waterway	Scenario 4	--	--	--
2743	640736.2	4166448.9	Roadway/Waterway	Scenario 4	--	--	--
2744	641336.2	4166448.9	Roadway/Waterway	Scenario 4	--	--	--
2745	641636.2	4166448.9	Roadway/Waterway	Scenario 4	--	--	--
2746	642736.2	4166448.9	Roadway/Waterway	Scenario 4	--	--	--
2747	642836.2	4166448.9	Roadway/Waterway	Scenario 4	--	--	--
2748	646236.2	4166448.9	Roadway/Waterway	Scenario 4	--	--	--
2749	646936.2	4166448.9	Roadway/Waterway	Scenario 4	--	--	--
2750	640936.2	4166548.9	Roadway/Waterway	Scenario 4	--	--	--
2751	641336.2	4166548.9	Roadway/Waterway	Scenario 4	--	--	--
2752	641436.2	4166548.9	Roadway/Waterway	Scenario 4	--	--	--
2753	641536.2	4166548.9	Roadway/Waterway	Scenario 4	--	--	--
2754	642636.2	4166548.9	Roadway/Waterway	Scenario 4	--	--	--
2755	642736.2	4166548.9	Roadway/Waterway	Scenario 4	--	--	--
2756	646236.2	4166548.9	Roadway/Waterway	Scenario 4	--	--	--
2757	646736.2	4166548.9	Roadway/Waterway	Scenario 4	--	--	--
2758	646836.2	4166548.9	Roadway/Waterway	Scenario 4	--	--	--
2759	641336.2	4166648.9	Roadway/Waterway	Scenario 4	--	--	--
2760	641436.2	4166648.9	Roadway/Waterway	Scenario 4	--	--	--
2761	642536.2	4166648.9	Roadway/Waterway	Scenario 4	--	--	--
2762	642636.2	4166648.9	Roadway/Waterway	Scenario 4	--	--	--
2763	645936.2	4166648.9	Roadway/Waterway	Scenario 4	--	--	--
2764	646036.2	4166648.9	Roadway/Waterway	Scenario 4	--	--	--
2765	646136.2	4166648.9	Roadway/Waterway	Scenario 4	--	--	--
2766	646236.2	4166648.9	Roadway/Waterway	Scenario 4	--	--	--
2767	646336.2	4166648.9	Roadway/Waterway	Scenario 4	--	--	--
2768	646436.2	4166648.9	Roadway/Waterway	Scenario 4	--	--	--
2769	646536.2	4166648.9	Roadway/Waterway	Scenario 4	--	--	--
2770	646636.2	4166648.9	Roadway/Waterway	Scenario 4	--	--	--
2771	646736.2	4166648.9	Roadway/Waterway	Scenario 4	--	--	--
2772	641236.2	4166748.9	Roadway/Waterway	Scenario 4	--	--	--
2773	641336.2	4166748.9	Roadway/Waterway	Scenario 4	--	--	--
2774	644736.2	4166748.9	Roadway/Waterway	Scenario 4	--	--	--
2775	645836.2	4166748.9	Roadway/Waterway	Scenario 4	--	--	--
2776	646136.2	4166748.9	Roadway/Waterway	Scenario 4	--	--	--
2777	646236.2	4166748.9	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2778	646336.2	4166748.9	Roadway/Waterway	Scenario 4	--	--	--
2779	639836.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2780	639936.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2781	640036.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2782	640136.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2783	640236.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2784	640336.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2785	640436.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2786	640536.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2787	641036.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2788	641136.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2789	644736.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2790	645736.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2791	646036.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2792	646136.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2793	646236.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2794	646336.2	4166848.9	Roadway/Waterway	Scenario 4	--	--	--
2795	640836.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2796	640936.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2797	641036.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2798	641136.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2799	644836.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2800	644936.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2801	645036.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2802	645136.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2803	645236.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2804	645336.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2805	645436.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2806	645536.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2807	645736.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2808	645836.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2809	645936.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2810	646036.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2811	646136.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2812	646236.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2813	646336.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2814	646436.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2815	646536.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2816	646636.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2817	646736.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2818	646836.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2819	646936.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2820	647036.2	4166948.9	Roadway/Waterway	Scenario 4	--	--	--
2821	640636.2	4167048.9	Roadway/Waterway	Scenario 4	--	--	--
2822	640736.2	4167048.9	Roadway/Waterway	Scenario 4	--	--	--
2823	640836.2	4167048.9	Roadway/Waterway	Scenario 4	--	--	--
2824	640936.2	4167048.9	Roadway/Waterway	Scenario 4	--	--	--
2825	645236.2	4167048.9	Roadway/Waterway	Scenario 4	--	--	--
2826	645336.2	4167048.9	Roadway/Waterway	Scenario 4	--	--	--
2827	645736.2	4167048.9	Roadway/Waterway	Scenario 4	--	--	--
2828	646036.2	4167048.9	Roadway/Waterway	Scenario 4	--	--	--
2829	646136.2	4167048.9	Roadway/Waterway	Scenario 4	--	--	--
2830	646236.2	4167048.9	Roadway/Waterway	Scenario 4	--	--	--
2831	646336.2	4167048.9	Roadway/Waterway	Scenario 4	--	--	--
2832	646836.2	4167048.9	Roadway/Waterway	Scenario 4	--	--	--
2833	640536.2	4167148.9	Roadway/Waterway	Scenario 4	--	--	--
2834	640636.2	4167148.9	Roadway/Waterway	Scenario 4	--	--	--
2835	640736.2	4167148.9	Roadway/Waterway	Scenario 4	--	--	--
2836	645236.2	4167148.9	Roadway/Waterway	Scenario 4	--	--	--
2837	645336.2	4167148.9	Roadway/Waterway	Scenario 4	--	--	--
2838	645736.2	4167148.9	Roadway/Waterway	Scenario 4	--	--	--
2839	646136.2	4167148.9	Roadway/Waterway	Scenario 4	--	--	--
2840	646236.2	4167148.9	Roadway/Waterway	Scenario 4	--	--	--
2841	640436.2	4167248.9	Roadway/Waterway	Scenario 4	--	--	--
2842	640536.2	4167248.9	Roadway/Waterway	Scenario 4	--	--	--
2843	644936.2	4167248.9	Roadway/Waterway	Scenario 4	--	--	--
2844	645236.2	4167248.9	Roadway/Waterway	Scenario 4	--	--	--
2845	646236.2	4167248.9	Roadway/Waterway	Scenario 4	--	--	--
2846	640336.2	4167348.9	Roadway/Waterway	Scenario 4	--	--	--
2847	640436.2	4167348.9	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2848	646136.2	4167348.9	Roadway/Waterway	Scenario 4	--	--	--
2849	646236.2	4167348.9	Roadway/Waterway	Scenario 4	--	--	--
2850	640236.2	4167448.9	Roadway/Waterway	Scenario 4	--	--	--
2851	640336.2	4167448.9	Roadway/Waterway	Scenario 4	--	--	--
2852	646036.2	4167448.9	Roadway/Waterway	Scenario 4	--	--	--
2853	646136.2	4167448.9	Roadway/Waterway	Scenario 4	--	--	--
2854	646236.2	4167448.9	Roadway/Waterway	Scenario 4	--	--	--
2855	640136.2	4167548.9	Roadway/Waterway	Scenario 4	--	--	--
2856	646136.2	4167548.9	Roadway/Waterway	Scenario 4	--	--	--
2857	640036.2	4167648.9	Roadway/Waterway	Scenario 4	--	--	--
2858	646136.2	4167648.9	Roadway/Waterway	Scenario 4	--	--	--
2859	639836.2	4167748.9	Roadway/Waterway	Scenario 4	--	--	--
2860	639936.2	4167748.9	Roadway/Waterway	Scenario 4	--	--	--
2861	644136.2	4167748.9	Roadway/Waterway	Scenario 4	--	--	--
2862	644236.2	4167748.9	Roadway/Waterway	Scenario 4	--	--	--
2863	645036.2	4167748.9	Roadway/Waterway	Scenario 4	--	--	--
2864	645136.2	4167748.9	Roadway/Waterway	Scenario 4	--	--	--
2865	645236.2	4167748.9	Roadway/Waterway	Scenario 4	--	--	--
2866	645336.2	4167748.9	Roadway/Waterway	Scenario 4	--	--	--
2867	645436.2	4167748.9	Roadway/Waterway	Scenario 4	--	--	--
2868	645536.2	4167748.9	Roadway/Waterway	Scenario 4	--	--	--
2869	645636.2	4167748.9	Roadway/Waterway	Scenario 4	--	--	--
2870	645736.2	4167748.9	Roadway/Waterway	Scenario 4	--	--	--
2871	645836.2	4167748.9	Roadway/Waterway	Scenario 4	--	--	--
2872	645936.2	4167748.9	Roadway/Waterway	Scenario 4	--	--	--
2873	646136.2	4167748.9	Roadway/Waterway	Scenario 4	--	--	--
2874	639736.2	4167848.9	Roadway/Waterway	Scenario 4	--	--	--
2875	646136.2	4167848.9	Roadway/Waterway	Scenario 4	--	--	--
2876	639636.2	4167948.9	Roadway/Waterway	Scenario 4	--	--	--
2877	646136.2	4167948.9	Roadway/Waterway	Scenario 4	--	--	--
2878	639436.2	4168048.9	Roadway/Waterway	Scenario 4	--	--	--
2879	639536.2	4168048.9	Roadway/Waterway	Scenario 4	--	--	--
2880	646136.2	4168048.9	Roadway/Waterway	Scenario 4	--	--	--
2881	639336.2	4168148.9	Roadway/Waterway	Scenario 4	--	--	--
2882	639436.2	4168148.9	Roadway/Waterway	Scenario 4	--	--	--
2883	646136.2	4168148.9	Roadway/Waterway	Scenario 4	--	--	--
2884	639236.2	4168248.9	Roadway/Waterway	Scenario 4	--	--	--
2885	646136.2	4168248.9	Roadway/Waterway	Scenario 4	--	--	--
2886	639036.2	4168348.9	Roadway/Waterway	Scenario 4	--	--	--
2887	646136.2	4168348.9	Roadway/Waterway	Scenario 4	--	--	--
2888	646136.2	4168448.9	Roadway/Waterway	Scenario 4	--	--	--
2889	644836.2	4168548.9	Roadway/Waterway	Scenario 4	--	--	--
2890	644936.2	4168548.9	Roadway/Waterway	Scenario 4	--	--	--
2891	645036.2	4168548.9	Roadway/Waterway	Scenario 4	--	--	--
2892	645136.2	4168548.9	Roadway/Waterway	Scenario 4	--	--	--
2893	645236.2	4168548.9	Roadway/Waterway	Scenario 4	--	--	--
2894	645336.2	4168548.9	Roadway/Waterway	Scenario 4	--	--	--
2895	646136.2	4168548.9	Roadway/Waterway	Scenario 4	--	--	--
2896	646136.2	4168648.9	Roadway/Waterway	Scenario 4	--	--	--
2897	646636.2	4168648.9	Roadway/Waterway	Scenario 4	--	--	--
2898	646136.2	4168748.9	Roadway/Waterway	Scenario 4	--	--	--
2899	646136.2	4168848.9	Roadway/Waterway	Scenario 4	--	--	--
2900	644736.2	4168948.9	Roadway/Waterway	Scenario 4	--	--	--
2901	645936.2	4168948.9	Roadway/Waterway	Scenario 4	--	--	--
2902	646136.2	4168948.9	Roadway/Waterway	Scenario 4	--	--	--
2903	638136.2	4169048.9	Roadway/Waterway	Scenario 4	--	--	--
2904	644136.2	4169048.9	Roadway/Waterway	Scenario 4	--	--	--
2905	646136.2	4169048.9	Roadway/Waterway	Scenario 4	--	--	--
2906	637936.2	4169148.9	Roadway/Waterway	Scenario 4	--	--	--
2907	638036.2	4169148.9	Roadway/Waterway	Scenario 4	--	--	--
2908	644236.2	4169148.9	Roadway/Waterway	Scenario 4	--	--	--
2909	646136.2	4169148.9	Roadway/Waterway	Scenario 4	--	--	--
2910	637836.2	4169248.9	Roadway/Waterway	Scenario 4	--	--	--
2911	644536.2	4169248.9	Roadway/Waterway	Scenario 4	--	--	--
2912	637736.2	4169348.9	Roadway/Waterway	Scenario 4	--	--	--
2913	644536.2	4169348.9	Roadway/Waterway	Scenario 4	--	--	--
2914	637536.2	4169448.9	Roadway/Waterway	Scenario 4	--	--	--
2915	637636.2	4169448.9	Roadway/Waterway	Scenario 4	--	--	--
2916	644436.2	4169448.9	Roadway/Waterway	Scenario 4	--	--	--
2917	644536.2	4169448.9	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2918	637436.2	4169548.9	Roadway/Waterway	Scenario 4	--	--	--
2919	637836.2	4169548.9	Roadway/Waterway	Scenario 4	--	--	--
2920	644536.2	4169548.9	Roadway/Waterway	Scenario 4	--	--	--
2921	637236.2	4169648.9	Roadway/Waterway	Scenario 4	--	--	--
2922	637336.2	4169648.9	Roadway/Waterway	Scenario 4	--	--	--
2923	637836.2	4169648.9	Roadway/Waterway	Scenario 4	--	--	--
2924	644536.2	4169648.9	Roadway/Waterway	Scenario 4	--	--	--
2925	637136.2	4169748.9	Roadway/Waterway	Scenario 4	--	--	--
2926	637736.2	4169748.9	Roadway/Waterway	Scenario 4	--	--	--
2927	644536.2	4169748.9	Roadway/Waterway	Scenario 4	--	--	--
2928	637036.2	4169848.9	Roadway/Waterway	Scenario 4	--	--	--
2929	637636.2	4169848.9	Roadway/Waterway	Scenario 4	--	--	--
2930	637736.2	4169848.9	Roadway/Waterway	Scenario 4	--	--	--
2931	644536.2	4169848.9	Roadway/Waterway	Scenario 4	--	--	--
2932	636836.2	4169948.9	Roadway/Waterway	Scenario 4	--	--	--
2933	636936.2	4169948.9	Roadway/Waterway	Scenario 4	--	--	--
2934	637636.2	4169948.9	Roadway/Waterway	Scenario 4	--	--	--
2935	639636.2	4169948.9	Roadway/Waterway	Scenario 4	--	--	--
2936	636736.2	4170048.9	Roadway/Waterway	Scenario 4	--	--	--
2937	636836.2	4170048.9	Roadway/Waterway	Scenario 4	--	--	--
2938	637536.2	4170048.9	Roadway/Waterway	Scenario 4	--	--	--
2939	635636.2	4170148.9	Roadway/Waterway	Scenario 4	--	--	--
2940	636636.2	4170148.9	Roadway/Waterway	Scenario 4	--	--	--
2941	637436.2	4170148.9	Roadway/Waterway	Scenario 4	--	--	--
2942	637536.2	4170148.9	Roadway/Waterway	Scenario 4	--	--	--
2943	635636.2	4170248.9	Roadway/Waterway	Scenario 4	--	--	--
2944	635736.2	4170248.9	Roadway/Waterway	Scenario 4	--	--	--
2945	636436.2	4170248.9	Roadway/Waterway	Scenario 4	--	--	--
2946	636536.2	4170248.9	Roadway/Waterway	Scenario 4	--	--	--
2947	637336.2	4170248.9	Roadway/Waterway	Scenario 4	--	--	--
2948	637436.2	4170248.9	Roadway/Waterway	Scenario 4	--	--	--
2949	635736.2	4170348.9	Roadway/Waterway	Scenario 4	--	--	--
2950	635836.2	4170348.9	Roadway/Waterway	Scenario 4	--	--	--
2951	636336.2	4170348.9	Roadway/Waterway	Scenario 4	--	--	--
2952	636436.2	4170348.9	Roadway/Waterway	Scenario 4	--	--	--
2953	637336.2	4170348.9	Roadway/Waterway	Scenario 4	--	--	--
2954	638536.2	4170348.9	Roadway/Waterway	Scenario 4	--	--	--
2955	638636.2	4170348.9	Roadway/Waterway	Scenario 4	--	--	--
2956	635736.2	4170448.9	Roadway/Waterway	Scenario 4	--	--	--
2957	635936.2	4170448.9	Roadway/Waterway	Scenario 4	--	--	--
2958	636136.2	4170448.9	Roadway/Waterway	Scenario 4	--	--	--
2959	636236.2	4170448.9	Roadway/Waterway	Scenario 4	--	--	--
2960	637236.2	4170448.9	Roadway/Waterway	Scenario 4	--	--	--
2961	637336.2	4170448.9	Roadway/Waterway	Scenario 4	--	--	--
2962	638436.2	4170448.9	Roadway/Waterway	Scenario 4	--	--	--
2963	638536.2	4170448.9	Roadway/Waterway	Scenario 4	--	--	--
2964	635736.2	4170548.9	Roadway/Waterway	Scenario 4	--	--	--
2965	636036.2	4170548.9	Roadway/Waterway	Scenario 4	--	--	--
2966	636136.2	4170548.9	Roadway/Waterway	Scenario 4	--	--	--
2967	637236.2	4170548.9	Roadway/Waterway	Scenario 4	--	--	--
2968	638436.2	4170548.9	Roadway/Waterway	Scenario 4	--	--	--
2969	635936.2	4170648.9	Roadway/Waterway	Scenario 4	--	--	--
2970	636036.2	4170648.9	Roadway/Waterway	Scenario 4	--	--	--
2971	636136.2	4170648.9	Roadway/Waterway	Scenario 4	--	--	--
2972	637136.2	4170648.9	Roadway/Waterway	Scenario 4	--	--	--
2973	637236.2	4170648.9	Roadway/Waterway	Scenario 4	--	--	--
2974	638436.2	4170648.9	Roadway/Waterway	Scenario 4	--	--	--
2975	635836.2	4170748.9	Roadway/Waterway	Scenario 4	--	--	--
2976	636236.2	4170748.9	Roadway/Waterway	Scenario 4	--	--	--
2977	637036.2	4170748.9	Roadway/Waterway	Scenario 4	--	--	--
2978	637136.2	4170748.9	Roadway/Waterway	Scenario 4	--	--	--
2979	638436.2	4170748.9	Roadway/Waterway	Scenario 4	--	--	--
2980	638536.2	4170748.9	Roadway/Waterway	Scenario 4	--	--	--
2981	635736.2	4170848.9	Roadway/Waterway	Scenario 4	--	--	--
2982	635836.2	4170848.9	Roadway/Waterway	Scenario 4	--	--	--
2983	636336.2	4170848.9	Roadway/Waterway	Scenario 4	--	--	--
2984	636636.2	4170848.9	Roadway/Waterway	Scenario 4	--	--	--
2985	636736.2	4170848.9	Roadway/Waterway	Scenario 4	--	--	--
2986	637036.2	4170848.9	Roadway/Waterway	Scenario 4	--	--	--
2987	637136.2	4170848.9	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
2988	637236.2	4170848.9	Roadway/Waterway	Scenario 4	--	--	--
2989	638436.2	4170848.9	Roadway/Waterway	Scenario 4	--	--	--
2990	635836.2	4170948.9	Roadway/Waterway	Scenario 4	--	--	--
2991	635936.2	4170948.9	Roadway/Waterway	Scenario 4	--	--	--
2992	636436.2	4170948.9	Roadway/Waterway	Scenario 4	--	--	--
2993	636536.2	4170948.9	Roadway/Waterway	Scenario 4	--	--	--
2994	636936.2	4170948.9	Roadway/Waterway	Scenario 4	--	--	--
2995	637036.2	4170948.9	Roadway/Waterway	Scenario 4	--	--	--
2996	637136.2	4170948.9	Roadway/Waterway	Scenario 4	--	--	--
2997	637236.2	4170948.9	Roadway/Waterway	Scenario 4	--	--	--
2998	638336.2	4170948.9	Roadway/Waterway	Scenario 4	--	--	--
2999	638436.2	4170948.9	Roadway/Waterway	Scenario 4	--	--	--
3000	635836.2	4171048.9	Roadway/Waterway	Scenario 4	--	--	--
3001	636436.2	4171048.9	Roadway/Waterway	Scenario 4	--	--	--
3002	636936.2	4171048.9	Roadway/Waterway	Scenario 4	--	--	--
3003	638336.2	4171048.9	Roadway/Waterway	Scenario 4	--	--	--
3004	636436.2	4171148.9	Roadway/Waterway	Scenario 4	--	--	--
3005	636736.2	4171148.9	Roadway/Waterway	Scenario 4	--	--	--
3006	636836.2	4171148.9	Roadway/Waterway	Scenario 4	--	--	--
3007	638236.2	4171148.9	Roadway/Waterway	Scenario 4	--	--	--
3008	638336.2	4171148.9	Roadway/Waterway	Scenario 4	--	--	--
3009	635936.2	4171248.9	Roadway/Waterway	Scenario 4	--	--	--
3010	636036.2	4171248.9	Roadway/Waterway	Scenario 4	--	--	--
3011	636436.2	4171248.9	Roadway/Waterway	Scenario 4	--	--	--
3012	636636.2	4171248.9	Roadway/Waterway	Scenario 4	--	--	--
3013	636736.2	4171248.9	Roadway/Waterway	Scenario 4	--	--	--
3014	638036.2	4171248.9	Roadway/Waterway	Scenario 4	--	--	--
3015	638136.2	4171248.9	Roadway/Waterway	Scenario 4	--	--	--
3016	638236.2	4171248.9	Roadway/Waterway	Scenario 4	--	--	--
3017	636436.2	4171348.9	Roadway/Waterway	Scenario 4	--	--	--
3018	636536.2	4171348.9	Roadway/Waterway	Scenario 4	--	--	--
3019	636636.2	4171348.9	Roadway/Waterway	Scenario 4	--	--	--
3020	637936.2	4171348.9	Roadway/Waterway	Scenario 4	--	--	--
3021	638036.2	4171348.9	Roadway/Waterway	Scenario 4	--	--	--
3022	636336.2	4171448.9	Roadway/Waterway	Scenario 4	--	--	--
3023	636436.2	4171448.9	Roadway/Waterway	Scenario 4	--	--	--
3024	636536.2	4171448.9	Roadway/Waterway	Scenario 4	--	--	--
3025	637436.2	4171448.9	Roadway/Waterway	Scenario 4	--	--	--
3026	637536.2	4171448.9	Roadway/Waterway	Scenario 4	--	--	--
3027	637636.2	4171448.9	Roadway/Waterway	Scenario 4	--	--	--
3028	637736.2	4171448.9	Roadway/Waterway	Scenario 4	--	--	--
3029	637836.2	4171448.9	Roadway/Waterway	Scenario 4	--	--	--
3030	637936.2	4171448.9	Roadway/Waterway	Scenario 4	--	--	--
3031	636136.2	4171548.9	Roadway/Waterway	Scenario 4	--	--	--
3032	636236.2	4171548.9	Roadway/Waterway	Scenario 4	--	--	--
3033	636336.2	4171548.9	Roadway/Waterway	Scenario 4	--	--	--
3034	636436.2	4171548.9	Roadway/Waterway	Scenario 4	--	--	--
3035	637336.2	4171548.9	Roadway/Waterway	Scenario 4	--	--	--
3036	637436.2	4171548.9	Roadway/Waterway	Scenario 4	--	--	--
3037	637536.2	4171548.9	Roadway/Waterway	Scenario 4	--	--	--
3038	637636.2	4171548.9	Roadway/Waterway	Scenario 4	--	--	--
3039	637736.2	4171548.9	Roadway/Waterway	Scenario 4	--	--	--
3040	637836.2	4171548.9	Roadway/Waterway	Scenario 4	--	--	--
3041	636236.2	4171648.9	Roadway/Waterway	Scenario 4	--	--	--
3042	636436.2	4171648.9	Roadway/Waterway	Scenario 4	--	--	--
3043	637336.2	4171648.9	Roadway/Waterway	Scenario 4	--	--	--
3044	637436.2	4171648.9	Roadway/Waterway	Scenario 4	--	--	--
3045	636436.2	4171748.9	Roadway/Waterway	Scenario 4	--	--	--
3046	637236.2	4171748.9	Roadway/Waterway	Scenario 4	--	--	--
3047	636436.2	4171848.9	Roadway/Waterway	Scenario 4	--	--	--
3048	637136.2	4171848.9	Roadway/Waterway	Scenario 4	--	--	--
3049	637036.2	4171948.9	Roadway/Waterway	Scenario 4	--	--	--
3050	637136.2	4171948.9	Roadway/Waterway	Scenario 4	--	--	--
3051	638036.2	4171948.9	Roadway/Waterway	Scenario 4	--	--	--
3052	636936.2	4172048.9	Roadway/Waterway	Scenario 4	--	--	--
3053	637036.2	4172048.9	Roadway/Waterway	Scenario 4	--	--	--
3054	637136.2	4172048.9	Roadway/Waterway	Scenario 4	--	--	--
3055	638036.2	4172048.9	Roadway/Waterway	Scenario 4	--	--	--
3056	636836.2	4172148.9	Roadway/Waterway	Scenario 4	--	--	--
3057	636936.2	4172148.9	Roadway/Waterway	Scenario 4	--	--	--

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
3058	637036.2	4172148.9	Roadway/Waterway	Scenario 4	--	--	--
3059	638036.2	4172148.9	Roadway/Waterway	Scenario 4	--	--	--
3060	638036.2	4172248.9	Roadway/Waterway	Scenario 4	--	--	--
3061	639636.2	4172248.9	Roadway/Waterway	Scenario 4	--	--	--
3062	638036.2	4172348.9	Roadway/Waterway	Scenario 4	--	--	--
3063	639636.2	4172348.9	Roadway/Waterway	Scenario 4	--	--	--
3064	638036.2	4172448.9	Roadway/Waterway	Scenario 4	--	--	--
3065	642798.5	4166811.2	Worker	Scenario 4	2.49E-01	6.92E-03	6.10E-03
3066	642823.5	4166811.2	Worker	Scenario 4	2.51E-01	7.10E-03	5.97E-03
3067	642848.5	4166811.2	Worker	Scenario 4	2.53E-01	7.27E-03	6.08E-03
3068	642873.5	4166811.2	Worker	Scenario 4	2.55E-01	7.43E-03	6.15E-03
3069	642898.5	4166811.2	Worker	Scenario 4	2.57E-01	7.57E-03	6.18E-03
3070	642923.5	4166811.2	Worker	Scenario 4	2.59E-01	7.70E-03	6.16E-03
3071	642948.5	4166811.2	Worker	Scenario 4	2.61E-01	7.81E-03	6.12E-03
3072	642973.5	4166811.2	Worker	Scenario 4	2.65E-01	8.01E-03	5.97E-03
3073	642998.5	4166811.2	Worker	Scenario 4	2.66E-01	8.11E-03	5.89E-03
3074	643023.5	4166811.2	Worker	Scenario 4	2.69E-01	8.27E-03	5.75E-03
3075	643048.5	4166811.2	Worker	Scenario 4	2.71E-01	8.43E-03	5.61E-03
3076	643073.5	4166811.2	Worker	Scenario 4	2.74E-01	8.57E-03	5.53E-03
3077	643098.5	4166811.2	Worker	Scenario 4	2.76E-01	8.64E-03	5.43E-03
3078	643123.5	4166811.2	Worker	Scenario 4	2.76E-01	8.65E-03	5.35E-03
3079	643148.5	4166811.2	Worker	Scenario 4	2.77E-01	8.60E-03	5.26E-03
3080	643173.5	4166811.2	Worker	Scenario 4	2.76E-01	8.53E-03	5.23E-03
3081	643198.5	4166811.2	Worker	Scenario 4	2.76E-01	8.45E-03	5.32E-03
3082	643223.5	4166811.2	Worker	Scenario 4	2.75E-01	8.36E-03	5.44E-03
3083	643248.5	4166811.2	Worker	Scenario 4	2.75E-01	8.27E-03	5.55E-03
3084	643273.5	4166811.2	Worker	Scenario 4	2.74E-01	8.19E-03	5.64E-03
3085	643298.5	4166811.2	Worker	Scenario 4	2.74E-01	8.10E-03	5.72E-03
3086	643323.5	4166811.2	Worker	Scenario 4	2.74E-01	8.03E-03	5.79E-03
3087	643348.5	4166811.2	Worker	Scenario 4	2.73E-01	7.95E-03	5.85E-03
3088	643373.5	4166811.2	Worker	Scenario 4	2.73E-01	7.88E-03	5.89E-03
3089	643398.5	4166811.2	Worker	Scenario 4	2.73E-01	7.81E-03	5.92E-03
3090	643423.5	4166811.2	Worker	Scenario 4	2.72E-01	7.75E-03	5.94E-03
3091	643448.5	4166811.2	Worker	Scenario 4	2.72E-01	7.68E-03	5.94E-03
3092	643473.5	4166811.2	Worker	Scenario 4	2.71E-01	7.62E-03	5.93E-03
3093	643498.5	4166811.2	Worker	Scenario 4	2.70E-01	7.55E-03	5.92E-03
3094	643523.5	4166811.2	Worker	Scenario 4	2.69E-01	7.49E-03	5.89E-03
3095	641973.5	4166836.2	Worker	Scenario 4	5.06E-01	1.41E-02	1.76E-02
3096	641998.5	4166836.2	Worker	Scenario 4	4.93E-01	1.38E-02	1.74E-02
3097	642023.5	4166836.2	Worker	Scenario 4	4.78E-01	1.34E-02	1.75E-02
3098	642048.5	4166836.2	Worker	Scenario 4	4.63E-01	1.30E-02	1.64E-02
3099	642073.5	4166836.2	Worker	Scenario 4	4.47E-01	1.26E-02	1.46E-02
3100	642098.5	4166836.2	Worker	Scenario 4	4.33E-01	1.22E-02	1.52E-02
3101	642123.5	4166836.2	Worker	Scenario 4	4.18E-01	1.18E-02	1.57E-02
3102	642148.5	4166836.2	Worker	Scenario 4	4.04E-01	1.14E-02	1.57E-02
3103	642173.5	4166836.2	Worker	Scenario 4	3.90E-01	1.09E-02	1.51E-02
3104	642198.5	4166836.2	Worker	Scenario 4	3.76E-01	1.04E-02	1.41E-02
3105	642223.5	4166836.2	Worker	Scenario 4	3.63E-01	9.90E-03	1.33E-02
3106	642248.5	4166836.2	Worker	Scenario 4	3.49E-01	9.37E-03	1.28E-02
3107	642598.5	4166836.2	Worker	Scenario 4	2.55E-01	6.32E-03	8.55E-03
3108	642623.5	4166836.2	Worker	Scenario 4	2.54E-01	6.35E-03	8.25E-03
3109	642648.5	4166836.2	Worker	Scenario 4	2.53E-01	6.42E-03	7.88E-03
3110	642673.5	4166836.2	Worker	Scenario 4	2.54E-01	6.53E-03	7.45E-03
3111	642698.5	4166836.2	Worker	Scenario 4	2.55E-01	6.71E-03	7.02E-03
3112	642723.5	4166836.2	Worker	Scenario 4	2.58E-01	6.94E-03	6.69E-03
3113	642748.5	4166836.2	Worker	Scenario 4	2.62E-01	7.21E-03	6.42E-03
3114	642773.5	4166836.2	Worker	Scenario 4	2.66E-01	7.48E-03	6.50E-03
3115	642798.5	4166836.2	Worker	Scenario 4	2.69E-01	7.74E-03	6.59E-03
3116	642823.5	4166836.2	Worker	Scenario 4	2.73E-01	7.97E-03	6.63E-03
3117	642848.5	4166836.2	Worker	Scenario 4	2.76E-01	8.19E-03	6.62E-03
3118	642873.5	4166836.2	Worker	Scenario 4	2.79E-01	8.38E-03	6.57E-03
3119	642898.5	4166836.2	Worker	Scenario 4	2.82E-01	8.57E-03	6.47E-03
3120	642923.5	4166836.2	Worker	Scenario 4	2.85E-01	8.75E-03	6.34E-03
3121	642948.5	4166836.2	Worker	Scenario 4	2.89E-01	8.95E-03	6.18E-03
3122	642973.5	4166836.2	Worker	Scenario 4	2.92E-01	9.16E-03	6.01E-03
3123	642998.5	4166836.2	Worker	Scenario 4	2.98E-01	9.46E-03	5.86E-03
3124	643023.5	4166836.2	Worker	Scenario 4	3.01E-01	9.65E-03	5.79E-03
3125	643048.5	4166836.2	Worker	Scenario 4	3.06E-01	9.91E-03	5.68E-03
3126	643073.5	4166836.2	Worker	Scenario 4	3.10E-01	1.01E-02	5.57E-03
3127	643098.5	4166836.2	Worker	Scenario 4	3.11E-01	1.01E-02	5.51E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3128	643123.5	4166836.2	Worker	Scenario 4	3.11E-01	1.01E-02	5.59E-03
3129	643148.5	4166836.2	Worker	Scenario 4	3.11E-01	9.97E-03	5.71E-03
3130	643173.5	4166836.2	Worker	Scenario 4	3.10E-01	9.84E-03	5.82E-03
3131	643198.5	4166836.2	Worker	Scenario 4	3.09E-01	9.71E-03	5.91E-03
3132	643223.5	4166836.2	Worker	Scenario 4	3.08E-01	9.59E-03	5.99E-03
3133	643248.5	4166836.2	Worker	Scenario 4	3.07E-01	9.47E-03	6.05E-03
3134	643273.5	4166836.2	Worker	Scenario 4	3.06E-01	9.37E-03	6.09E-03
3135	643298.5	4166836.2	Worker	Scenario 4	3.06E-01	9.27E-03	6.12E-03
3136	643323.5	4166836.2	Worker	Scenario 4	3.05E-01	9.18E-03	6.14E-03
3137	643348.5	4166836.2	Worker	Scenario 4	3.05E-01	9.08E-03	6.16E-03
3138	643373.5	4166836.2	Worker	Scenario 4	3.04E-01	8.99E-03	6.16E-03
3139	643398.5	4166836.2	Worker	Scenario 4	3.03E-01	8.91E-03	6.14E-03
3140	643423.5	4166836.2	Worker	Scenario 4	3.03E-01	8.83E-03	6.11E-03
3141	643448.5	4166836.2	Worker	Scenario 4	3.02E-01	8.75E-03	6.08E-03
3142	643473.5	4166836.2	Worker	Scenario 4	3.01E-01	8.67E-03	6.03E-03
3143	643498.5	4166836.2	Worker	Scenario 4	3.00E-01	8.60E-03	5.97E-03
3144	643523.5	4166836.2	Worker	Scenario 4	2.98E-01	8.52E-03	5.90E-03
3145	643548.5	4166836.2	Worker	Scenario 4	2.96E-01	8.44E-03	5.83E-03
3146	643573.5	4166836.2	Worker	Scenario 4	2.94E-01	8.37E-03	5.75E-03
3147	643598.5	4166836.2	Worker	Scenario 4	2.92E-01	8.29E-03	5.66E-03
3148	643623.5	4166836.2	Worker	Scenario 4	2.90E-01	8.21E-03	5.57E-03
3149	643648.5	4166836.2	Worker	Scenario 4	2.88E-01	8.14E-03	5.47E-03
3150	643673.5	4166836.2	Worker	Scenario 4	2.85E-01	8.06E-03	5.37E-03
3151	643698.5	4166836.2	Worker	Scenario 4	2.82E-01	7.98E-03	5.26E-03
3152	643723.5	4166836.2	Worker	Scenario 4	2.79E-01	7.91E-03	5.15E-03
3153	643748.5	4166836.2	Worker	Scenario 4	2.77E-01	7.83E-03	5.04E-03
3154	643773.5	4166836.2	Worker	Scenario 4	2.74E-01	7.76E-03	4.93E-03
3155	643798.5	4166836.2	Worker	Scenario 4	2.71E-01	7.69E-03	4.82E-03
3156	643823.5	4166836.2	Worker	Scenario 4	2.69E-01	7.62E-03	4.70E-03
3157	643848.5	4166836.2	Worker	Scenario 4	2.66E-01	7.54E-03	4.59E-03
3158	643873.5	4166836.2	Worker	Scenario 4	2.63E-01	7.46E-03	4.47E-03
3159	643898.5	4166836.2	Worker	Scenario 4	2.61E-01	7.39E-03	4.35E-03
3160	643923.5	4166836.2	Worker	Scenario 4	2.58E-01	7.32E-03	4.24E-03
3161	643948.5	4166836.2	Worker	Scenario 4	2.56E-01	7.26E-03	4.12E-03
3162	643973.5	4166836.2	Worker	Scenario 4	2.54E-01	7.19E-03	4.01E-03
3163	643998.5	4166836.2	Worker	Scenario 4	2.52E-01	7.13E-03	3.89E-03
3164	644023.5	4166836.2	Worker	Scenario 4	2.50E-01	7.07E-03	3.78E-03
3165	644048.5	4166836.2	Worker	Scenario 4	2.48E-01	7.01E-03	3.67E-03
3166	644073.5	4166836.2	Worker	Scenario 4	2.46E-01	6.94E-03	3.56E-03
3167	644098.5	4166836.2	Worker	Scenario 4	2.44E-01	6.87E-03	3.45E-03
3168	644123.5	4166836.2	Worker	Scenario 4	2.42E-01	6.80E-03	3.35E-03
3169	644148.5	4166836.2	Worker	Scenario 4	2.39E-01	6.72E-03	3.24E-03
3170	644173.5	4166836.2	Worker	Scenario 4	2.37E-01	6.63E-03	3.14E-03
3171	644198.5	4166836.2	Worker	Scenario 4	2.34E-01	6.53E-03	3.08E-03
3172	644223.5	4166836.2	Worker	Scenario 4	2.31E-01	6.40E-03	3.01E-03
3173	644248.5	4166836.2	Worker	Scenario 4	2.27E-01	6.25E-03	2.95E-03
3174	644273.5	4166836.2	Worker	Scenario 4	2.23E-01	6.07E-03	2.89E-03
3175	644298.5	4166836.2	Worker	Scenario 4	2.18E-01	5.86E-03	2.82E-03
3176	641598.5	4166861.2	Worker	Scenario 4	4.37E-01	1.29E-02	3.89E-02
3177	641623.5	4166861.2	Worker	Scenario 4	4.66E-01	1.37E-02	4.24E-02
3178	641648.5	4166861.2	Worker	Scenario 4	4.93E-01	1.44E-02	3.69E-02
3179	641673.5	4166861.2	Worker	Scenario 4	5.19E-01	1.50E-02	3.46E-02
3180	641698.5	4166861.2	Worker	Scenario 4	5.42E-01	1.55E-02	3.16E-02
3181	641723.5	4166861.2	Worker	Scenario 4	5.60E-01	1.60E-02	2.74E-02
3182	641748.5	4166861.2	Worker	Scenario 4	5.77E-01	1.63E-02	2.63E-02
3183	641773.5	4166861.2	Worker	Scenario 4	5.91E-01	1.67E-02	2.46E-02
3184	641798.5	4166861.2	Worker	Scenario 4	6.03E-01	1.69E-02	2.43E-02
3185	641823.5	4166861.2	Worker	Scenario 4	6.12E-01	1.71E-02	2.40E-02
3186	641848.5	4166861.2	Worker	Scenario 4	6.18E-01	1.72E-02	2.29E-02
3187	641873.5	4166861.2	Worker	Scenario 4	6.20E-01	1.73E-02	2.23E-02
3188	641898.5	4166861.2	Worker	Scenario 4	6.18E-01	1.72E-02	2.07E-02
3189	641923.5	4166861.2	Worker	Scenario 4	6.11E-01	1.71E-02	2.01E-02
3190	641948.5	4166861.2	Worker	Scenario 4	5.99E-01	1.68E-02	1.89E-02
3191	641973.5	4166861.2	Worker	Scenario 4	5.82E-01	1.64E-02	1.87E-02
3192	641998.5	4166861.2	Worker	Scenario 4	5.62E-01	1.59E-02	1.87E-02
3193	642023.5	4166861.2	Worker	Scenario 4	5.42E-01	1.54E-02	1.74E-02
3194	642123.5	4166861.2	Worker	Scenario 4	4.64E-01	1.33E-02	1.67E-02
3195	642148.5	4166861.2	Worker	Scenario 4	4.46E-01	1.28E-02	1.58E-02
3196	642173.5	4166861.2	Worker	Scenario 4	4.28E-01	1.22E-02	1.45E-02
3197	641298.5	4167011.2	Worker	Scenario 4	2.77E-01	8.14E-03	7.10E-02

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3198	641323.5	4167011.2	Worker	Scenario 4	3.25E-01	9.83E-03	6.31E-02
3199	641298.5	4167036.2	Worker	Scenario 4	2.96E-01	8.67E-03	7.20E-02
3200	641323.5	4167036.2	Worker	Scenario 4	3.49E-01	1.05E-02	7.47E-02
3201	641298.5	4167061.2	Worker	Scenario 4	3.15E-01	9.22E-03	6.81E-02
3202	641323.5	4167061.2	Worker	Scenario 4	3.75E-01	1.13E-02	8.37E-02
3203	641348.5	4167061.2	Worker	Scenario 4	4.70E-01	1.49E-02	7.42E-02
3204	644673.5	4167061.2	Worker	Scenario 4	2.15E-01	4.68E-03	2.26E-03
3205	641298.5	4167086.2	Worker	Scenario 4	3.35E-01	9.79E-03	7.12E-02
3206	641323.5	4167086.2	Worker	Scenario 4	4.00E-01	1.20E-02	8.40E-02
3207	641348.5	4167086.2	Worker	Scenario 4	5.05E-01	1.59E-02	9.05E-02
3208	644648.5	4167086.2	Worker	Scenario 4	2.36E-01	5.38E-03	2.26E-03
3209	644673.5	4167086.2	Worker	Scenario 4	2.21E-01	4.81E-03	2.23E-03
3210	641298.5	4167111.2	Worker	Scenario 4	3.56E-01	1.04E-02	6.91E-02
3211	641323.5	4167111.2	Worker	Scenario 4	4.27E-01	1.29E-02	6.86E-02
3212	641348.5	4167111.2	Worker	Scenario 4	5.40E-01	1.70E-02	8.91E-02
3213	644648.5	4167111.2	Worker	Scenario 4	2.45E-01	5.62E-03	2.18E-03
3214	644673.5	4167111.2	Worker	Scenario 4	2.28E-01	4.93E-03	2.15E-03
3215	641298.5	4167136.2	Worker	Scenario 4	3.78E-01	1.11E-02	6.59E-02
3216	641323.5	4167136.2	Worker	Scenario 4	4.52E-01	1.36E-02	7.18E-02
3217	641348.5	4167136.2	Worker	Scenario 4	5.72E-01	1.80E-02	9.17E-02
3218	644648.5	4167136.2	Worker	Scenario 4	2.56E-01	5.88E-03	2.25E-03
3219	644673.5	4167136.2	Worker	Scenario 4	2.34E-01	4.99E-03	2.22E-03
3220	641298.5	4167161.2	Worker	Scenario 4	3.98E-01	1.17E-02	6.87E-02
3221	641323.5	4167161.2	Worker	Scenario 4	4.76E-01	1.44E-02	8.02E-02
3222	641348.5	4167161.2	Worker	Scenario 4	6.03E-01	1.91E-02	9.13E-02
3223	644648.5	4167161.2	Worker	Scenario 4	2.67E-01	6.00E-03	2.28E-03
3224	644673.5	4167161.2	Worker	Scenario 4	2.38E-01	4.91E-03	2.26E-03
3225	641298.5	4167186.2	Worker	Scenario 4	4.17E-01	1.23E-02	8.12E-02
3226	641323.5	4167186.2	Worker	Scenario 4	4.97E-01	1.51E-02	8.61E-02
3227	641348.5	4167186.2	Worker	Scenario 4	6.30E-01	2.01E-02	1.02E-01
3228	644648.5	4167186.2	Worker	Scenario 4	2.67E-01	5.58E-03	2.27E-03
3229	644673.5	4167186.2	Worker	Scenario 4	2.36E-01	4.62E-03	2.24E-03
3230	641298.5	4167211.2	Worker	Scenario 4	4.36E-01	1.29E-02	8.33E-02
3231	641323.5	4167211.2	Worker	Scenario 4	5.20E-01	1.59E-02	1.02E-01
3232	641348.5	4167211.2	Worker	Scenario 4	6.60E-01	2.12E-02	1.13E-01
3233	644648.5	4167211.2	Worker	Scenario 4	2.42E-01	4.75E-03	2.22E-03
3234	644673.5	4167211.2	Worker	Scenario 4	2.24E-01	4.18E-03	2.19E-03
3235	641298.5	4167236.2	Worker	Scenario 4	4.53E-01	1.36E-02	1.03E-01
3236	641323.5	4167236.2	Worker	Scenario 4	5.41E-01	1.68E-02	1.14E-01
3237	641348.5	4167236.2	Worker	Scenario 4	6.88E-01	2.25E-02	1.34E-01
3238	644623.5	4167236.2	Worker	Scenario 4	2.33E-01	4.64E-03	2.23E-03
3239	644648.5	4167236.2	Worker	Scenario 4	2.21E-01	4.15E-03	2.21E-03
3240	644673.5	4167236.2	Worker	Scenario 4	2.11E-01	3.81E-03	2.19E-03
3241	641298.5	4167261.2	Worker	Scenario 4	4.69E-01	1.42E-02	1.21E-01
3242	641323.5	4167261.2	Worker	Scenario 4	5.61E-01	1.77E-02	1.46E-01
3243	641348.5	4167261.2	Worker	Scenario 4	7.20E-01	2.42E-02	1.58E-01
3244	641298.5	4167286.2	Worker	Scenario 4	4.84E-01	1.47E-02	1.20E-01
3245	641323.5	4167286.2	Worker	Scenario 4	5.80E-01	1.85E-02	1.59E-01
3246	641348.5	4167286.2	Worker	Scenario 4	7.51E-01	2.59E-02	2.02E-01
3247	641298.5	4167311.2	Worker	Scenario 4	4.97E-01	1.51E-02	1.36E-01
3248	641323.5	4167311.2	Worker	Scenario 4	5.93E-01	1.91E-02	1.73E-01
3249	641348.5	4167311.2	Worker	Scenario 4	7.60E-01	2.65E-02	2.20E-01
3250	641723.5	4167311.2	Roadway/Waterway	Scenario 4	--	--	--
3251	641298.5	4167336.2	Worker	Scenario 4	5.06E-01	1.54E-02	1.39E-01
3252	641323.5	4167336.2	Worker	Scenario 4	6.00E-01	1.93E-02	1.73E-01
3253	641348.5	4167336.2	Worker	Scenario 4	7.55E-01	2.63E-02	2.24E-01
3254	641623.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
3255	641648.5	4167336.2	Roadway/Waterway	Scenario 4	--	--	--
3256	641298.5	4167361.2	Worker	Scenario 4	5.14E-01	1.56E-02	1.25E-01
3257	641323.5	4167361.2	Worker	Scenario 4	6.02E-01	1.93E-02	1.52E-01
3258	641348.5	4167361.2	Worker	Scenario 4	7.49E-01	2.60E-02	1.87E-01
3259	641548.5	4167361.2	Roadway/Waterway	Scenario 4	--	--	--
3260	644523.5	4167361.2	Worker	Scenario 4	2.20E-01	3.69E-03	2.38E-03
3261	641298.5	4167386.2	Worker	Scenario 4	5.21E-01	1.57E-02	1.14E-01
3262	641323.5	4167386.2	Worker	Scenario 4	6.04E-01	1.93E-02	1.47E-01
3263	641348.5	4167386.2	Worker	Scenario 4	7.43E-01	2.57E-02	1.84E-01
3264	641448.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
3265	641473.5	4167386.2	Roadway/Waterway	Scenario 4	--	--	--
3266	644448.5	4167386.2	Worker	Scenario 4	2.31E-01	3.81E-03	2.38E-03
3267	641298.5	4167411.2	Worker	Scenario 4	5.28E-01	1.58E-02	1.10E-01

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3268	641323.5	4167411.2	Worker	Scenario 4	6.06E-01	1.92E-02	1.34E-01
3269	641348.5	4167411.2	Worker	Scenario 4	7.36E-01	2.52E-02	1.72E-01
3270	644348.5	4167411.2	Worker	Scenario 4	2.48E-01	4.01E-03	2.40E-03
3271	644373.5	4167411.2	Worker	Scenario 4	2.43E-01	3.93E-03	2.37E-03
3272	643348.5	4167436.2	Worker	Scenario 4	1.35E+00	1.59E-02	4.35E-03
3273	643373.5	4167436.2	Worker	Scenario 4	1.22E+00	1.45E-02	4.25E-03
3274	643398.5	4167436.2	Worker	Scenario 4	1.11E+00	1.34E-02	4.17E-03
3275	643423.5	4167436.2	Worker	Scenario 4	1.02E+00	1.24E-02	4.09E-03
3276	643448.5	4167436.2	Worker	Scenario 4	9.44E-01	1.16E-02	4.02E-03
3277	643473.5	4167436.2	Worker	Scenario 4	8.76E-01	1.09E-02	3.94E-03
3278	643498.5	4167436.2	Worker	Scenario 4	8.16E-01	1.03E-02	3.87E-03
3279	643523.5	4167436.2	Worker	Scenario 4	7.63E-01	9.70E-03	3.80E-03
3280	643548.5	4167436.2	Worker	Scenario 4	7.17E-01	9.21E-03	3.74E-03
3281	643573.5	4167436.2	Worker	Scenario 4	6.76E-01	8.77E-03	3.68E-03
3282	643598.5	4167436.2	Worker	Scenario 4	6.39E-01	8.37E-03	3.62E-03
3283	643623.5	4167436.2	Worker	Scenario 4	6.06E-01	8.02E-03	3.56E-03
3284	643648.5	4167436.2	Worker	Scenario 4	5.76E-01	7.70E-03	3.50E-03
3285	643673.5	4167436.2	Worker	Scenario 4	5.49E-01	7.40E-03	3.44E-03
3286	643698.5	4167436.2	Worker	Scenario 4	5.25E-01	7.14E-03	3.39E-03
3287	643723.5	4167436.2	Worker	Scenario 4	5.02E-01	6.89E-03	3.33E-03
3288	643748.5	4167436.2	Worker	Scenario 4	4.82E-01	6.67E-03	3.28E-03
3289	644273.5	4167436.2	Worker	Scenario 4	2.63E-01	4.13E-03	2.41E-03
3290	644298.5	4167436.2	Worker	Scenario 4	2.57E-01	4.05E-03	2.38E-03
3291	643323.5	4167461.2	Worker	Scenario 4	1.66E+00	1.87E-02	4.74E-03
3292	643348.5	4167461.2	Worker	Scenario 4	1.46E+00	1.67E-02	4.60E-03
3293	643873.5	4167461.2	Worker	Scenario 4	4.02E-01	5.72E-03	3.09E-03
3294	643898.5	4167461.2	Worker	Scenario 4	3.89E-01	5.57E-03	3.04E-03
3295	644198.5	4167461.2	Worker	Scenario 4	2.79E-01	4.28E-03	2.57E-03
3296	644223.5	4167461.2	Worker	Scenario 4	2.73E-01	4.20E-03	2.53E-03
3297	643298.5	4167486.2	Worker	Scenario 4	2.06E+00	2.24E-02	5.08E-03
3298	643323.5	4167486.2	Worker	Scenario 4	1.73E+00	1.92E-02	4.91E-03
3299	643348.5	4167486.2	Worker	Scenario 4	1.51E+00	1.71E-02	4.80E-03
3300	644098.5	4167486.2	Worker	Scenario 4	3.06E-01	4.56E-03	2.74E-03
3301	644123.5	4167486.2	Worker	Scenario 4	2.98E-01	4.46E-03	2.70E-03
3302	644148.5	4167486.2	Worker	Scenario 4	2.91E-01	4.37E-03	2.66E-03
3303	643273.5	4167511.2	Worker	Scenario 4	2.39E+00	2.55E-02	5.13E-03
3304	643298.5	4167511.2	Worker	Scenario 4	1.95E+00	2.13E-02	4.97E-03
3305	643323.5	4167511.2	Worker	Scenario 4	1.68E+00	1.87E-02	4.89E-03
3306	643273.5	4167536.2	Worker	Scenario 4	1.98E+00	2.16E-02	5.00E-03
3307	643298.5	4167536.2	Worker	Scenario 4	1.72E+00	1.91E-02	4.91E-03
3308	643248.5	4167561.2	Worker	Scenario 4	1.68E+00	1.90E-02	5.10E-03
3309	643273.5	4167561.2	Worker	Scenario 4	1.52E+00	1.74E-02	4.95E-03
3310	643223.5	4167586.2	Worker	Scenario 4	1.13E+00	1.42E-02	5.31E-03
3311	643248.5	4167586.2	Worker	Scenario 4	1.12E+00	1.38E-02	5.17E-03
3312	643198.5	4167611.2	Worker	Scenario 4	6.80E-01	1.03E-02	5.42E-03
3313	643223.5	4167611.2	Worker	Scenario 4	7.16E-01	1.03E-02	5.25E-03
3314	643248.5	4167611.2	Worker	Scenario 4	7.58E-01	1.04E-02	5.14E-03
3315	643173.5	4167636.2	Worker	Scenario 4	5.11E-01	8.93E-03	5.54E-03
3316	643198.5	4167636.2	Worker	Scenario 4	5.02E-01	8.47E-03	5.34E-03
3317	643223.5	4167636.2	Worker	Scenario 4	5.24E-01	8.39E-03	5.22E-03
3318	643173.5	4167661.2	Worker	Scenario 4	4.46E-01	8.04E-03	5.42E-03
3319	643198.5	4167661.2	Worker	Scenario 4	4.31E-01	7.61E-03	5.29E-03
3320	643148.5	4167686.2	Worker	Scenario 4	4.45E-01	8.09E-03	5.53E-03
3321	643173.5	4167686.2	Worker	Scenario 4	4.11E-01	7.48E-03	5.37E-03
3322	643123.5	4167711.2	Worker	Scenario 4	4.56E-01	8.23E-03	5.52E-03
3323	643148.5	4167711.2	Worker	Scenario 4	4.12E-01	7.51E-03	5.40E-03
3324	643098.5	4167736.2	Worker	Scenario 4	4.65E-01	8.32E-03	5.74E-03
3325	643123.5	4167736.2	Worker	Scenario 4	4.18E-01	7.57E-03	5.52E-03
3326	643098.5	4167761.2	Worker	Scenario 4	4.26E-01	7.64E-03	5.63E-03
3327	643123.5	4167761.2	Worker	Scenario 4	3.95E-01	7.11E-03	5.48E-03
3328	643073.5	4167786.2	Worker	Scenario 4	4.25E-01	7.62E-03	5.72E-03
3329	643098.5	4167786.2	Worker	Scenario 4	3.98E-01	7.13E-03	5.55E-03
3330	643048.5	4167811.2	Worker	Scenario 4	4.23E-01	7.60E-03	5.84E-03
3331	643073.5	4167811.2	Worker	Scenario 4	3.96E-01	7.11E-03	5.62E-03
3332	643023.5	4167836.2	Worker	Scenario 4	4.18E-01	7.53E-03	5.86E-03
3333	643048.5	4167836.2	Worker	Scenario 4	3.92E-01	7.06E-03	5.67E-03
3334	642998.5	4167861.2	Worker	Scenario 4	4.10E-01	7.42E-03	6.05E-03
3335	643023.5	4167861.2	Worker	Scenario 4	3.87E-01	6.99E-03	5.80E-03
3336	642973.5	4167886.2	Worker	Scenario 4	4.02E-01	7.31E-03	5.94E-03
3337	642998.5	4167886.2	Worker	Scenario 4	3.81E-01	6.91E-03	5.75E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3338	642948.5	4167911.2	Worker	Scenario 4	3.91E-01	7.18E-03	6.11E-03
3339	642973.5	4167911.2	Worker	Scenario 4	3.75E-01	6.84E-03	5.95E-03
3340	642898.5	4167936.2	Worker	Scenario 4	3.97E-01	7.44E-03	6.37E-03
3341	642923.5	4167936.2	Worker	Scenario 4	3.81E-01	7.05E-03	6.10E-03
3342	642873.5	4167961.2	Worker	Scenario 4	3.86E-01	7.31E-03	6.38E-03
3343	642898.5	4167961.2	Worker	Scenario 4	3.74E-01	6.98E-03	6.18E-03
3344	642823.5	4167986.2	Worker	Scenario 4	3.90E-01	7.58E-03	6.52E-03
3345	642848.5	4167986.2	Worker	Scenario 4	3.78E-01	7.20E-03	6.38E-03
3346	642798.5	4168011.2	Worker	Scenario 4	3.82E-01	7.48E-03	6.83E-03
3347	642823.5	4168011.2	Worker	Scenario 4	3.72E-01	7.13E-03	6.54E-03
3348	642748.5	4168036.2	Worker	Scenario 4	3.88E-01	7.82E-03	7.08E-03
3349	642773.5	4168036.2	Worker	Scenario 4	3.76E-01	7.39E-03	7.01E-03
3350	642698.5	4168061.2	Worker	Scenario 4	3.95E-01	8.21E-03	7.74E-03
3351	642723.5	4168061.2	Worker	Scenario 4	3.82E-01	7.71E-03	7.28E-03
3352	642748.5	4168061.2	Worker	Scenario 4	3.72E-01	7.32E-03	6.82E-03
3353	642673.5	4168086.2	Worker	Scenario 4	3.91E-01	8.09E-03	7.78E-03
3354	642698.5	4168086.2	Worker	Scenario 4	3.78E-01	7.61E-03	7.47E-03
3355	642623.5	4168111.2	Worker	Scenario 4	4.00E-01	8.46E-03	8.06E-03
3356	642648.5	4168111.2	Worker	Scenario 4	3.86E-01	7.95E-03	7.73E-03
3357	642673.5	4168111.2	Worker	Scenario 4	3.75E-01	7.53E-03	7.56E-03
3358	642598.5	4168136.2	Worker	Scenario 4	3.98E-01	8.34E-03	8.09E-03
3359	642623.5	4168136.2	Worker	Scenario 4	3.83E-01	7.83E-03	7.76E-03
3360	642548.5	4168161.2	Worker	Scenario 4	4.10E-01	8.75E-03	8.25E-03
3361	642573.5	4168161.2	Worker	Scenario 4	3.95E-01	8.20E-03	8.03E-03
3362	642523.5	4168186.2	Worker	Scenario 4	4.09E-01	8.63E-03	8.00E-03
3363	642548.5	4168186.2	Worker	Scenario 4	3.94E-01	8.09E-03	7.97E-03
3364	642498.5	4168211.2	Worker	Scenario 4	4.10E-01	8.51E-03	8.16E-03
3365	642473.5	4168236.2	Worker	Scenario 4	4.11E-01	8.42E-03	8.27E-03
3366	642448.5	4168261.2	Worker	Scenario 4	4.15E-01	8.34E-03	8.47E-03
3367	642423.5	4168286.2	Worker	Scenario 4	4.17E-01	8.25E-03	8.20E-03
3368	642398.5	4168311.2	Worker	Scenario 4	4.21E-01	8.16E-03	8.14E-03
3369	642423.5	4168311.2	Worker	Scenario 4	4.06E-01	7.73E-03	8.01E-03
3370	642348.5	4168336.2	Worker	Scenario 4	4.46E-01	8.59E-03	8.36E-03
3371	642373.5	4168336.2	Worker	Scenario 4	4.24E-01	8.06E-03	8.18E-03
3372	639573.5	4168361.2	Worker	Scenario 4	1.81E-01	6.43E-03	3.45E-03
3373	639598.5	4168361.2	Worker	Scenario 4	1.96E-01	6.92E-03	3.38E-03
3374	639623.5	4168361.2	Worker	Scenario 4	2.15E-01	7.55E-03	3.49E-03
3375	642323.5	4168361.2	Worker	Scenario 4	4.47E-01	8.42E-03	8.60E-03
3376	642348.5	4168361.2	Worker	Scenario 4	4.27E-01	7.94E-03	7.92E-03
3377	639523.5	4168386.2	Worker	Scenario 4	1.76E-01	6.44E-03	3.35E-03
3378	639548.5	4168386.2	Worker	Scenario 4	1.88E-01	6.90E-03	3.28E-03
3379	639573.5	4168386.2	Worker	Scenario 4	2.03E-01	7.38E-03	3.33E-03
3380	639598.5	4168386.2	Worker	Scenario 4	2.19E-01	7.91E-03	3.53E-03
3381	639623.5	4168386.2	Worker	Scenario 4	2.39E-01	8.58E-03	3.72E-03
3382	642273.5	4168386.2	Worker	Scenario 4	4.69E-01	8.71E-03	8.56E-03
3383	642298.5	4168386.2	Worker	Scenario 4	4.46E-01	8.22E-03	8.46E-03
3384	639498.5	4168411.2	Worker	Scenario 4	1.87E-01	7.08E-03	3.18E-03
3385	639523.5	4168411.2	Worker	Scenario 4	2.02E-01	7.65E-03	3.17E-03
3386	639548.5	4168411.2	Worker	Scenario 4	2.17E-01	8.20E-03	3.37E-03
3387	639573.5	4168411.2	Worker	Scenario 4	2.32E-01	8.73E-03	3.55E-03
3388	639598.5	4168411.2	Worker	Scenario 4	2.50E-01	9.27E-03	3.71E-03
3389	639623.5	4168411.2	Worker	Scenario 4	2.72E-01	9.94E-03	3.86E-03
3390	642223.5	4168411.2	Worker	Scenario 4	4.89E-01	8.91E-03	8.61E-03
3391	642248.5	4168411.2	Worker	Scenario 4	4.66E-01	8.43E-03	8.37E-03
3392	639448.5	4168436.2	Worker	Scenario 4	1.86E-01	7.18E-03	3.09E-03
3393	639473.5	4168436.2	Worker	Scenario 4	2.02E-01	7.89E-03	3.04E-03
3394	639498.5	4168436.2	Worker	Scenario 4	2.21E-01	8.68E-03	3.22E-03
3395	639523.5	4168436.2	Worker	Scenario 4	2.41E-01	9.50E-03	3.40E-03
3396	639548.5	4168436.2	Worker	Scenario 4	2.60E-01	1.02E-02	3.56E-03
3397	639573.5	4168436.2	Worker	Scenario 4	2.77E-01	1.08E-02	3.70E-03
3398	639598.5	4168436.2	Worker	Scenario 4	2.95E-01	1.13E-02	3.81E-03
3399	639623.5	4168436.2	Worker	Scenario 4	3.18E-01	1.19E-02	3.90E-03
3400	642148.5	4168436.2	Worker	Scenario 4	5.37E-01	9.49E-03	8.83E-03
3401	642173.5	4168436.2	Worker	Scenario 4	5.09E-01	9.03E-03	8.50E-03
3402	642198.5	4168436.2	Worker	Scenario 4	4.84E-01	8.58E-03	8.31E-03
3403	642098.5	4168461.2	Worker	Scenario 4	5.65E-01	9.61E-03	8.67E-03
3404	642123.5	4168461.2	Worker	Scenario 4	5.33E-01	9.15E-03	8.62E-03
3405	642148.5	4168461.2	Worker	Scenario 4	5.06E-01	8.73E-03	8.44E-03
3406	642048.5	4168486.2	Worker	Scenario 4	5.93E-01	9.71E-03	8.79E-03
3407	642073.5	4168486.2	Worker	Scenario 4	5.56E-01	9.25E-03	8.60E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3408	642098.5	4168486.2	Worker	Scenario 4	5.28E-01	8.86E-03	8.39E-03
3409	641973.5	4168511.2	Worker	Scenario 4	6.56E-01	1.03E-02	8.99E-03
3410	641998.5	4168511.2	Worker	Scenario 4	6.13E-01	9.77E-03	8.60E-03
3411	642023.5	4168511.2	Worker	Scenario 4	5.77E-01	9.34E-03	8.60E-03
3412	641923.5	4168536.2	Worker	Scenario 4	6.64E-01	1.03E-02	8.30E-03
3413	641948.5	4168536.2	Worker	Scenario 4	6.23E-01	9.80E-03	8.27E-03
3414	641973.5	4168536.2	Worker	Scenario 4	5.88E-01	9.38E-03	8.55E-03
3415	641873.5	4168561.2	Worker	Scenario 4	6.55E-01	1.02E-02	1.09E-02
3416	641898.5	4168561.2	Worker	Scenario 4	6.17E-01	9.73E-03	9.33E-03
3417	641823.5	4168586.2	Worker	Scenario 4	6.46E-01	1.02E-02	1.23E-02
3418	641848.5	4168586.2	Worker	Scenario 4	6.08E-01	9.69E-03	1.19E-02
3419	641748.5	4168611.2	Worker	Scenario 4	6.74E-01	1.06E-02	9.04E-03
3420	641773.5	4168611.2	Worker	Scenario 4	6.34E-01	1.02E-02	1.02E-02
3421	641798.5	4168611.2	Worker	Scenario 4	6.01E-01	9.72E-03	1.13E-02
3422	641673.5	4168636.2	Worker	Scenario 4	6.75E-01	1.10E-02	8.30E-03
3423	641698.5	4168636.2	Worker	Scenario 4	6.45E-01	1.06E-02	8.54E-03
3424	641723.5	4168636.2	Worker	Scenario 4	6.14E-01	1.01E-02	8.14E-03
3425	641598.5	4168661.2	Worker	Scenario 4	6.56E-01	1.14E-02	8.45E-03
3426	641623.5	4168661.2	Worker	Scenario 4	6.30E-01	1.10E-02	8.35E-03
3427	641648.5	4168661.2	Worker	Scenario 4	6.08E-01	1.05E-02	8.20E-03
3428	641523.5	4168686.2	Worker	Scenario 4	6.44E-01	1.23E-02	8.32E-03
3429	641548.5	4168686.2	Worker	Scenario 4	6.17E-01	1.17E-02	8.22E-03
3430	641573.5	4168686.2	Worker	Scenario 4	5.95E-01	1.11E-02	8.13E-03
3431	641448.5	4168711.2	Worker	Scenario 4	6.65E-01	1.45E-02	7.96E-03
3432	641473.5	4168711.2	Worker	Scenario 4	6.29E-01	1.33E-02	8.08E-03
3433	641498.5	4168711.2	Worker	Scenario 4	6.01E-01	1.24E-02	8.00E-03
3434	641373.5	4168736.2	Worker	Scenario 4	8.07E-01	2.21E-02	7.69E-03
3435	641398.5	4168736.2	Worker	Scenario 4	7.03E-01	1.79E-02	7.41E-03
3436	641423.5	4168736.2	Worker	Scenario 4	6.46E-01	1.56E-02	7.59E-03
3437	641298.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
3438	641323.5	4168761.2	Roadway/Waterway	Scenario 4	--	--	--
3439	641348.5	4168761.2	Worker	Scenario 4	8.99E-01	2.91E-02	7.46E-03
3440	641373.5	4168761.2	Worker	Scenario 4	7.58E-01	2.18E-02	7.39E-03
3441	641398.5	4168761.2	Worker	Scenario 4	6.66E-01	1.78E-02	7.20E-03
3442	641423.5	4168761.2	Worker	Scenario 4	6.12E-01	1.54E-02	7.40E-03
3443	641248.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
3444	641273.5	4168786.2	Roadway/Waterway	Scenario 4	--	--	--
3445	641348.5	4168786.2	Worker	Scenario 4	8.71E-01	2.93E-02	7.26E-03
3446	641373.5	4168786.2	Worker	Scenario 4	7.35E-01	2.21E-02	7.21E-03
3447	641398.5	4168786.2	Worker	Scenario 4	6.40E-01	1.78E-02	7.05E-03
3448	641423.5	4168786.2	Worker	Scenario 4	5.85E-01	1.53E-02	7.23E-03
3449	641173.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
3450	641198.5	4168811.2	Roadway/Waterway	Scenario 4	--	--	--
3451	641348.5	4168811.2	Worker	Scenario 4	9.06E-01	3.17E-02	7.07E-03
3452	641373.5	4168811.2	Worker	Scenario 4	7.16E-01	2.23E-02	7.03E-03
3453	641398.5	4168811.2	Worker	Scenario 4	6.18E-01	1.79E-02	6.91E-03
3454	641423.5	4168811.2	Worker	Scenario 4	5.61E-01	1.52E-02	7.05E-03
3455	641098.5	4168836.2	Roadway/Waterway	Scenario 4	--	--	--
3456	641348.5	4168836.2	Worker	Scenario 4	8.91E-01	3.23E-02	6.88E-03
3457	641373.5	4168836.2	Worker	Scenario 4	7.01E-01	2.27E-02	6.86E-03
3458	641398.5	4168836.2	Worker	Scenario 4	5.99E-01	1.79E-02	6.76E-03
3459	641423.5	4168836.2	Worker	Scenario 4	5.40E-01	1.51E-02	6.89E-03
3460	641023.5	4168861.2	Roadway/Waterway	Scenario 4	--	--	--
3461	641348.5	4168861.2	Worker	Scenario 4	9.38E-01	3.55E-02	6.70E-03
3462	641373.5	4168861.2	Worker	Scenario 4	6.85E-01	2.29E-02	6.69E-03
3463	641398.5	4168861.2	Worker	Scenario 4	5.79E-01	1.77E-02	6.62E-03
3464	641423.5	4168861.2	Worker	Scenario 4	5.20E-01	1.49E-02	6.73E-03
3465	640948.5	4168886.2	Roadway/Waterway	Scenario 4	--	--	--
3466	641348.5	4168886.2	Worker	Scenario 4	9.06E-01	3.56E-02	6.53E-03
3467	641373.5	4168886.2	Worker	Scenario 4	6.59E-01	2.22E-02	6.53E-03
3468	641398.5	4168886.2	Worker	Scenario 4	5.57E-01	1.72E-02	6.48E-03
3469	641423.5	4168886.2	Worker	Scenario 4	5.00E-01	1.45E-02	6.57E-03
3470	640873.5	4168911.2	Roadway/Waterway	Scenario 4	--	--	--
3471	641348.5	4168911.2	Worker	Scenario 4	8.57E-01	3.16E-02	6.39E-03
3472	641373.5	4168911.2	Worker	Scenario 4	6.33E-01	2.09E-02	6.38E-03
3473	641398.5	4168911.2	Worker	Scenario 4	5.37E-01	1.65E-02	6.35E-03
3474	641423.5	4168911.2	Worker	Scenario 4	4.82E-01	1.41E-02	6.42E-03
3475	640773.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
3476	640798.5	4168936.2	Roadway/Waterway	Scenario 4	--	--	--
3477	641348.5	4168936.2	Worker	Scenario 4	8.24E-01	2.99E-02	6.26E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3478	641373.5	4168936.2	Worker	Scenario 4	6.12E-01	2.02E-02	6.22E-03
3479	641398.5	4168936.2	Worker	Scenario 4	5.20E-01	1.61E-02	6.22E-03
3480	641423.5	4168936.2	Worker	Scenario 4	4.67E-01	1.38E-02	6.28E-03
3481	640548.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
3482	640573.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
3483	640698.5	4168961.2	Roadway/Waterway	Scenario 4	--	--	--
3484	641348.5	4168961.2	Worker	Scenario 4	8.00E-01	2.90E-02	6.13E-03
3485	641373.5	4168961.2	Worker	Scenario 4	5.96E-01	1.97E-02	6.08E-03
3486	641398.5	4168961.2	Worker	Scenario 4	5.06E-01	1.58E-02	6.10E-03
3487	641423.5	4168961.2	Worker	Scenario 4	4.53E-01	1.35E-02	6.14E-03
3488	640598.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
3489	640623.5	4168986.2	Roadway/Waterway	Scenario 4	--	--	--
3490	641348.5	4168986.2	Worker	Scenario 4	7.84E-01	2.85E-02	6.01E-03
3491	641373.5	4168986.2	Worker	Scenario 4	5.84E-01	1.95E-02	5.93E-03
3492	641398.5	4168986.2	Worker	Scenario 4	4.94E-01	1.56E-02	5.98E-03
3493	641423.5	4168986.2	Worker	Scenario 4	4.42E-01	1.34E-02	6.00E-03
3494	640448.5	4169011.2	Worker	Scenario 4	2.36E-01	7.36E-03	4.17E-03
3495	640523.5	4169011.2	Worker	Scenario 4	2.83E-01	1.07E-02	5.00E-03
3496	641348.5	4169011.2	Worker	Scenario 4	7.74E-01	2.84E-02	5.89E-03
3497	641373.5	4169011.2	Worker	Scenario 4	5.74E-01	1.94E-02	5.80E-03
3498	641398.5	4169011.2	Worker	Scenario 4	4.85E-01	1.56E-02	5.86E-03
3499	641423.5	4169011.2	Worker	Scenario 4	4.33E-01	1.33E-02	5.87E-03
3500	640448.5	4169036.2	Worker	Scenario 4	2.35E-01	7.53E-03	4.12E-03
3501	640473.5	4169036.2	Worker	Scenario 4	2.44E-01	8.13E-03	4.53E-03
3502	640523.5	4169036.2	Worker	Scenario 4	2.85E-01	1.12E-02	4.96E-03
3503	641348.5	4169036.2	Worker	Scenario 4	7.68E-01	2.86E-02	5.78E-03
3504	641373.5	4169036.2	Worker	Scenario 4	5.68E-01	1.96E-02	5.66E-03
3505	641398.5	4169036.2	Worker	Scenario 4	4.78E-01	1.57E-02	5.75E-03
3506	641423.5	4169036.2	Worker	Scenario 4	4.24E-01	1.33E-02	5.75E-03
3507	640448.5	4169061.2	Worker	Scenario 4	2.34E-01	7.73E-03	4.28E-03
3508	640473.5	4169061.2	Worker	Scenario 4	2.44E-01	8.39E-03	4.62E-03
3509	640523.5	4169061.2	Worker	Scenario 4	2.87E-01	1.17E-02	4.88E-03
3510	641348.5	4169061.2	Worker	Scenario 4	7.68E-01	2.91E-02	5.67E-03
3511	641373.5	4169061.2	Worker	Scenario 4	5.66E-01	2.00E-02	5.54E-03
3512	641398.5	4169061.2	Worker	Scenario 4	4.71E-01	1.58E-02	5.63E-03
3513	641423.5	4169061.2	Worker	Scenario 4	4.16E-01	1.33E-02	5.61E-03
3514	640448.5	4169086.2	Worker	Scenario 4	2.34E-01	7.96E-03	4.40E-03
3515	640473.5	4169086.2	Worker	Scenario 4	2.44E-01	8.66E-03	4.66E-03
3516	640523.5	4169086.2	Worker	Scenario 4	2.89E-01	1.21E-02	4.76E-03
3517	641348.5	4169086.2	Worker	Scenario 4	7.76E-01	3.03E-02	5.56E-03
3518	641373.5	4169086.2	Worker	Scenario 4	5.63E-01	2.04E-02	5.40E-03
3519	641398.5	4169086.2	Worker	Scenario 4	4.64E-01	1.59E-02	5.50E-03
3520	641423.5	4169086.2	Worker	Scenario 4	4.08E-01	1.33E-02	5.48E-03
3521	640448.5	4169111.2	Worker	Scenario 4	2.35E-01	8.24E-03	4.48E-03
3522	640473.5	4169111.2	Worker	Scenario 4	2.45E-01	8.97E-03	4.65E-03
3523	640523.5	4169111.2	Worker	Scenario 4	2.91E-01	1.25E-02	4.72E-03
3524	641348.5	4169111.2	Worker	Scenario 4	7.79E-01	3.12E-02	5.44E-03
3525	641373.5	4169111.2	Worker	Scenario 4	5.58E-01	2.06E-02	5.27E-03
3526	641398.5	4169111.2	Worker	Scenario 4	4.59E-01	1.59E-02	5.40E-03
3527	641423.5	4169111.2	Worker	Scenario 4	4.02E-01	1.32E-02	5.38E-03
3528	640448.5	4169136.2	Worker	Scenario 4	2.36E-01	8.60E-03	4.51E-03
3529	640473.5	4169136.2	Worker	Scenario 4	2.46E-01	9.35E-03	4.60E-03
3530	640523.5	4169136.2	Worker	Scenario 4	2.93E-01	1.29E-02	4.64E-03
3531	641348.5	4169136.2	Worker	Scenario 4	7.64E-01	3.08E-02	5.32E-03
3532	641373.5	4169136.2	Worker	Scenario 4	5.52E-01	2.05E-02	5.15E-03
3533	641398.5	4169136.2	Worker	Scenario 4	4.52E-01	1.58E-02	5.30E-03
3534	641423.5	4169136.2	Worker	Scenario 4	3.94E-01	1.30E-02	5.27E-03
3535	640448.5	4169161.2	Worker	Scenario 4	2.40E-01	9.09E-03	4.49E-03
3536	640473.5	4169161.2	Worker	Scenario 4	2.50E-01	9.83E-03	4.51E-03
3537	640523.5	4169161.2	Worker	Scenario 4	2.96E-01	1.34E-02	4.52E-03
3538	641348.5	4169161.2	Worker	Scenario 4	7.51E-01	3.03E-02	5.21E-03
3539	641373.5	4169161.2	Worker	Scenario 4	5.43E-01	2.03E-02	5.04E-03
3540	641398.5	4169161.2	Worker	Scenario 4	4.43E-01	1.55E-02	5.21E-03
3541	641423.5	4169161.2	Worker	Scenario 4	3.85E-01	1.28E-02	5.17E-03
3542	640448.5	4169186.2	Worker	Scenario 4	2.46E-01	9.80E-03	4.43E-03
3543	640473.5	4169186.2	Worker	Scenario 4	2.55E-01	1.05E-02	4.43E-03
3544	640523.5	4169186.2	Worker	Scenario 4	3.00E-01	1.40E-02	4.36E-03
3545	641348.5	4169186.2	Worker	Scenario 4	7.38E-01	2.97E-02	5.11E-03
3546	641373.5	4169186.2	Worker	Scenario 4	5.32E-01	1.98E-02	4.93E-03
3547	641398.5	4169186.2	Worker	Scenario 4	4.34E-01	1.52E-02	5.11E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3548	641423.5	4169186.2	Worker	Scenario 4	3.77E-01	1.25E-02	5.08E-03
3549	640448.5	4169211.2	Worker	Scenario 4	2.57E-01	1.09E-02	4.34E-03
3550	640473.5	4169211.2	Worker	Scenario 4	2.66E-01	1.16E-02	4.38E-03
3551	640498.5	4169211.2	Worker	Scenario 4	2.82E-01	1.28E-02	4.34E-03
3552	640523.5	4169211.2	Worker	Scenario 4	3.09E-01	1.49E-02	4.33E-03
3553	641348.5	4169211.2	Worker	Scenario 4	7.24E-01	2.91E-02	5.01E-03
3554	641373.5	4169211.2	Worker	Scenario 4	5.20E-01	1.93E-02	4.85E-03
3555	641398.5	4169211.2	Worker	Scenario 4	4.23E-01	1.47E-02	5.02E-03
3556	641423.5	4169211.2	Worker	Scenario 4	3.67E-01	1.21E-02	4.99E-03
3557	640448.5	4169236.2	Worker	Scenario 4	2.81E-01	1.31E-02	4.28E-03
3558	640473.5	4169236.2	Worker	Scenario 4	2.89E-01	1.37E-02	4.30E-03
3559	640498.5	4169236.2	Worker	Scenario 4	3.03E-01	1.48E-02	4.19E-03
3560	640523.5	4169236.2	Worker	Scenario 4	3.27E-01	1.66E-02	4.34E-03
3561	641348.5	4169236.2	Worker	Scenario 4	7.08E-01	2.82E-02	4.91E-03
3562	641373.5	4169236.2	Worker	Scenario 4	5.08E-01	1.87E-02	4.77E-03
3563	641398.5	4169236.2	Worker	Scenario 4	4.12E-01	1.42E-02	4.93E-03
3564	641423.5	4169236.2	Worker	Scenario 4	3.57E-01	1.17E-02	4.90E-03
3565	640448.5	4169261.2	Worker	Scenario 4	3.49E-01	1.87E-02	4.23E-03
3566	640473.5	4169261.2	Worker	Scenario 4	3.54E-01	1.91E-02	4.18E-03
3567	640498.5	4169261.2	Worker	Scenario 4	3.65E-01	1.99E-02	4.18E-03
3568	640523.5	4169261.2	Worker	Scenario 4	3.78E-01	2.09E-02	4.31E-03
3569	641348.5	4169261.2	Worker	Scenario 4	6.91E-01	2.73E-02	4.81E-03
3570	641373.5	4169261.2	Worker	Scenario 4	4.94E-01	1.80E-02	4.69E-03
3571	641398.5	4169261.2	Worker	Scenario 4	4.01E-01	1.37E-02	4.84E-03
3572	641423.5	4169261.2	Worker	Scenario 4	3.47E-01	1.12E-02	4.81E-03
3573	640448.5	4169286.2	Worker	Scenario 4	3.31E-01	1.75E-02	4.14E-03
3574	640473.5	4169286.2	Worker	Scenario 4	3.41E-01	1.83E-02	4.04E-03
3575	640498.5	4169286.2	Worker	Scenario 4	3.41E-01	1.82E-02	4.18E-03
3576	640523.5	4169286.2	Worker	Scenario 4	3.45E-01	1.85E-02	4.25E-03
3577	640923.5	4169286.2	Worker	Scenario 4	2.84E-01	1.25E-02	4.60E-03
3578	640948.5	4169286.2	Worker	Scenario 4	2.74E-01	1.16E-02	4.71E-03
3579	640973.5	4169286.2	Worker	Scenario 4	2.69E-01	1.11E-02	4.87E-03
3580	640998.5	4169286.2	Worker	Scenario 4	2.66E-01	1.08E-02	4.87E-03
3581	641023.5	4169286.2	Worker	Scenario 4	2.65E-01	1.06E-02	4.72E-03
3582	641048.5	4169286.2	Worker	Scenario 4	2.66E-01	1.06E-02	4.67E-03
3583	641073.5	4169286.2	Worker	Scenario 4	2.67E-01	1.05E-02	4.64E-03
3584	641098.5	4169286.2	Worker	Scenario 4	2.71E-01	1.07E-02	4.69E-03
3585	641123.5	4169286.2	Worker	Scenario 4	2.77E-01	1.10E-02	4.55E-03
3586	641148.5	4169286.2	Worker	Scenario 4	2.88E-01	1.17E-02	4.69E-03
3587	641173.5	4169286.2	Worker	Scenario 4	3.07E-01	1.29E-02	4.70E-03
3588	641348.5	4169286.2	Worker	Scenario 4	6.73E-01	2.62E-02	4.72E-03
3589	641373.5	4169286.2	Worker	Scenario 4	4.81E-01	1.72E-02	4.62E-03
3590	641398.5	4169286.2	Worker	Scenario 4	3.89E-01	1.30E-02	4.75E-03
3591	641423.5	4169286.2	Worker	Scenario 4	3.37E-01	1.07E-02	4.72E-03
3592	640423.5	4169311.2	Worker	Scenario 4	2.54E-01	1.15E-02	4.08E-03
3593	640448.5	4169311.2	Worker	Scenario 4	2.61E-01	1.20E-02	4.03E-03
3594	640473.5	4169311.2	Worker	Scenario 4	2.69E-01	1.26E-02	4.03E-03
3595	640498.5	4169311.2	Worker	Scenario 4	2.82E-01	1.36E-02	4.16E-03
3596	640873.5	4169311.2	Worker	Scenario 4	2.70E-01	1.18E-02	4.49E-03
3597	640898.5	4169311.2	Worker	Scenario 4	2.57E-01	1.07E-02	4.50E-03
3598	640923.5	4169311.2	Worker	Scenario 4	2.49E-01	9.99E-03	4.51E-03
3599	640948.5	4169311.2	Worker	Scenario 4	2.45E-01	9.57E-03	4.67E-03
3600	640973.5	4169311.2	Worker	Scenario 4	2.43E-01	9.30E-03	4.79E-03
3601	640998.5	4169311.2	Worker	Scenario 4	2.42E-01	9.13E-03	4.76E-03
3602	641023.5	4169311.2	Worker	Scenario 4	2.42E-01	9.02E-03	4.60E-03
3603	641048.5	4169311.2	Worker	Scenario 4	2.43E-01	8.99E-03	4.59E-03
3604	641073.5	4169311.2	Worker	Scenario 4	2.45E-01	9.02E-03	4.58E-03
3605	641098.5	4169311.2	Worker	Scenario 4	2.49E-01	9.18E-03	4.59E-03
3606	641123.5	4169311.2	Worker	Scenario 4	2.56E-01	9.55E-03	4.44E-03
3607	641148.5	4169311.2	Worker	Scenario 4	2.69E-01	1.04E-02	4.61E-03
3608	641173.5	4169311.2	Worker	Scenario 4	2.89E-01	1.18E-02	4.60E-03
3609	641348.5	4169311.2	Worker	Scenario 4	6.52E-01	2.49E-02	4.63E-03
3610	641373.5	4169311.2	Worker	Scenario 4	4.65E-01	1.63E-02	4.55E-03
3611	641398.5	4169311.2	Worker	Scenario 4	3.77E-01	1.23E-02	4.67E-03
3612	641423.5	4169311.2	Worker	Scenario 4	3.27E-01	1.02E-02	4.64E-03
3613	640423.5	4169336.2	Worker	Scenario 4	2.20E-01	8.91E-03	3.99E-03
3614	640448.5	4169336.2	Worker	Scenario 4	2.25E-01	9.32E-03	3.89E-03
3615	640473.5	4169336.2	Worker	Scenario 4	2.33E-01	9.93E-03	4.04E-03
3616	640498.5	4169336.2	Worker	Scenario 4	2.48E-01	1.11E-02	4.10E-03
3617	640823.5	4169336.2	Worker	Scenario 4	2.66E-01	1.18E-02	4.23E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3618	640848.5	4169336.2	Worker	Scenario 4	2.49E-01	1.04E-02	4.38E-03
3619	640873.5	4169336.2	Worker	Scenario 4	2.39E-01	9.49E-03	4.38E-03
3620	640898.5	4169336.2	Worker	Scenario 4	2.32E-01	8.93E-03	4.43E-03
3621	640923.5	4169336.2	Worker	Scenario 4	2.29E-01	8.56E-03	4.46E-03
3622	640948.5	4169336.2	Worker	Scenario 4	2.27E-01	8.31E-03	4.64E-03
3623	640973.5	4169336.2	Worker	Scenario 4	2.26E-01	8.14E-03	4.72E-03
3624	640998.5	4169336.2	Worker	Scenario 4	2.26E-01	8.03E-03	4.65E-03
3625	641023.5	4169336.2	Worker	Scenario 4	2.26E-01	7.97E-03	4.49E-03
3626	641048.5	4169336.2	Worker	Scenario 4	2.27E-01	7.97E-03	4.51E-03
3627	641073.5	4169336.2	Worker	Scenario 4	2.30E-01	8.04E-03	4.52E-03
3628	641098.5	4169336.2	Worker	Scenario 4	2.34E-01	8.22E-03	4.49E-03
3629	641123.5	4169336.2	Worker	Scenario 4	2.41E-01	8.62E-03	4.41E-03
3630	641148.5	4169336.2	Worker	Scenario 4	2.54E-01	9.47E-03	4.55E-03
3631	641348.5	4169336.2	Worker	Scenario 4	6.25E-01	2.33E-02	4.54E-03
3632	641373.5	4169336.2	Worker	Scenario 4	4.48E-01	1.52E-02	4.48E-03
3633	641398.5	4169336.2	Worker	Scenario 4	3.64E-01	1.16E-02	4.59E-03
3634	641423.5	4169336.2	Worker	Scenario 4	3.17E-01	9.63E-03	4.56E-03
3635	640423.5	4169361.2	Worker	Scenario 4	2.02E-01	7.65E-03	3.88E-03
3636	640448.5	4169361.2	Worker	Scenario 4	2.07E-01	8.03E-03	3.89E-03
3637	640473.5	4169361.2	Worker	Scenario 4	2.16E-01	8.66E-03	4.01E-03
3638	640498.5	4169361.2	Worker	Scenario 4	2.31E-01	9.89E-03	4.02E-03
3639	640798.5	4169361.2	Worker	Scenario 4	2.47E-01	1.06E-02	4.22E-03
3640	640823.5	4169361.2	Worker	Scenario 4	2.33E-01	9.34E-03	4.22E-03
3641	640848.5	4169361.2	Worker	Scenario 4	2.24E-01	8.61E-03	4.32E-03
3642	640873.5	4169361.2	Worker	Scenario 4	2.19E-01	8.14E-03	4.31E-03
3643	640898.5	4169361.2	Worker	Scenario 4	2.16E-01	7.81E-03	4.35E-03
3644	640923.5	4169361.2	Worker	Scenario 4	2.14E-01	7.58E-03	4.43E-03
3645	640948.5	4169361.2	Worker	Scenario 4	2.13E-01	7.42E-03	4.59E-03
3646	640973.5	4169361.2	Worker	Scenario 4	2.13E-01	7.31E-03	4.63E-03
3647	640998.5	4169361.2	Worker	Scenario 4	2.13E-01	7.24E-03	4.53E-03
3648	641023.5	4169361.2	Worker	Scenario 4	2.14E-01	7.21E-03	4.41E-03
3649	641048.5	4169361.2	Worker	Scenario 4	2.16E-01	7.24E-03	4.43E-03
3650	641073.5	4169361.2	Worker	Scenario 4	2.18E-01	7.33E-03	4.45E-03
3651	641098.5	4169361.2	Worker	Scenario 4	2.22E-01	7.52E-03	4.39E-03
3652	641123.5	4169361.2	Worker	Scenario 4	2.29E-01	7.88E-03	4.37E-03
3653	641148.5	4169361.2	Worker	Scenario 4	2.40E-01	8.57E-03	4.47E-03
3654	641348.5	4169361.2	Worker	Scenario 4	5.95E-01	2.13E-02	4.45E-03
3655	641373.5	4169361.2	Worker	Scenario 4	4.30E-01	1.41E-02	4.41E-03
3656	641398.5	4169361.2	Worker	Scenario 4	3.52E-01	1.09E-02	4.51E-03
3657	641423.5	4169361.2	Worker	Scenario 4	3.07E-01	9.15E-03	4.49E-03
3658	640423.5	4169386.2	Worker	Scenario 4	1.91E-01	6.89E-03	3.75E-03
3659	640448.5	4169386.2	Worker	Scenario 4	1.95E-01	7.25E-03	3.90E-03
3660	640473.5	4169386.2	Worker	Scenario 4	2.03E-01	7.86E-03	3.96E-03
3661	640498.5	4169386.2	Worker	Scenario 4	2.19E-01	9.05E-03	3.96E-03
3662	640773.5	4169386.2	Worker	Scenario 4	2.30E-01	9.40E-03	4.21E-03
3663	640798.5	4169386.2	Worker	Scenario 4	2.18E-01	8.44E-03	4.10E-03
3664	640823.5	4169386.2	Worker	Scenario 4	2.12E-01	7.87E-03	4.20E-03
3665	640848.5	4169386.2	Worker	Scenario 4	2.08E-01	7.47E-03	4.26E-03
3666	640873.5	4169386.2	Worker	Scenario 4	2.05E-01	7.19E-03	4.26E-03
3667	640898.5	4169386.2	Worker	Scenario 4	2.03E-01	6.99E-03	4.27E-03
3668	640923.5	4169386.2	Worker	Scenario 4	2.02E-01	6.85E-03	4.39E-03
3669	641098.5	4169386.2	Worker	Scenario 4	2.12E-01	6.95E-03	4.29E-03
3670	641123.5	4169386.2	Worker	Scenario 4	2.18E-01	7.25E-03	4.33E-03
3671	641148.5	4169386.2	Worker	Scenario 4	2.26E-01	7.71E-03	4.40E-03
3672	641173.5	4169386.2	Worker	Scenario 4	2.35E-01	8.17E-03	4.30E-03
3673	641198.5	4169386.2	Worker	Scenario 4	2.44E-01	8.54E-03	4.04E-03
3674	641223.5	4169386.2	Worker	Scenario 4	2.55E-01	8.96E-03	4.27E-03
3675	641248.5	4169386.2	Worker	Scenario 4	2.72E-01	9.54E-03	4.41E-03
3676	641273.5	4169386.2	Worker	Scenario 4	2.99E-01	1.06E-02	4.38E-03
3677	641298.5	4169386.2	Worker	Scenario 4	3.59E-01	1.28E-02	4.42E-03
3678	641348.5	4169386.2	Worker	Scenario 4	5.70E-01	1.98E-02	4.37E-03
3679	641373.5	4169386.2	Worker	Scenario 4	4.16E-01	1.33E-02	4.34E-03
3680	641398.5	4169386.2	Worker	Scenario 4	3.42E-01	1.04E-02	4.43E-03
3681	641423.5	4169386.2	Worker	Scenario 4	2.99E-01	8.75E-03	4.41E-03
3682	640423.5	4169411.2	Worker	Scenario 4	1.82E-01	6.35E-03	3.76E-03
3683	640448.5	4169411.2	Worker	Scenario 4	1.86E-01	6.68E-03	3.88E-03
3684	640473.5	4169411.2	Worker	Scenario 4	1.93E-01	7.22E-03	3.89E-03
3685	640498.5	4169411.2	Worker	Scenario 4	2.06E-01	8.23E-03	3.93E-03
3686	640698.5	4169411.2	Worker	Scenario 4	2.25E-01	9.41E-03	3.76E-03
3687	640723.5	4169411.2	Worker	Scenario 4	2.18E-01	8.73E-03	4.01E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3688	640748.5	4169411.2	Worker	Scenario 4	2.10E-01	8.09E-03	4.13E-03
3689	640773.5	4169411.2	Worker	Scenario 4	2.04E-01	7.55E-03	4.11E-03
3690	640798.5	4169411.2	Worker	Scenario 4	2.00E-01	7.17E-03	4.01E-03
3691	640823.5	4169411.2	Worker	Scenario 4	1.97E-01	6.88E-03	4.16E-03
3692	640848.5	4169411.2	Worker	Scenario 4	1.95E-01	6.66E-03	4.18E-03
3693	640873.5	4169411.2	Worker	Scenario 4	1.94E-01	6.50E-03	4.21E-03
3694	641098.5	4169411.2	Worker	Scenario 4	2.04E-01	6.48E-03	4.19E-03
3695	641123.5	4169411.2	Worker	Scenario 4	2.09E-01	6.70E-03	4.28E-03
3696	641148.5	4169411.2	Worker	Scenario 4	2.15E-01	6.98E-03	4.32E-03
3697	641173.5	4169411.2	Worker	Scenario 4	2.21E-01	7.26E-03	4.20E-03
3698	641198.5	4169411.2	Worker	Scenario 4	2.29E-01	7.54E-03	3.96E-03
3699	641223.5	4169411.2	Worker	Scenario 4	2.40E-01	7.91E-03	4.23E-03
3700	641248.5	4169411.2	Worker	Scenario 4	2.56E-01	8.47E-03	4.34E-03
3701	641273.5	4169411.2	Worker	Scenario 4	2.84E-01	9.53E-03	4.32E-03
3702	641298.5	4169411.2	Worker	Scenario 4	3.47E-01	1.20E-02	4.34E-03
3703	641348.5	4169411.2	Worker	Scenario 4	5.55E-01	1.90E-02	4.28E-03
3704	641373.5	4169411.2	Worker	Scenario 4	4.05E-01	1.28E-02	4.28E-03
3705	641398.5	4169411.2	Worker	Scenario 4	3.33E-01	9.99E-03	4.36E-03
3706	641423.5	4169411.2	Worker	Scenario 4	2.92E-01	8.43E-03	4.34E-03
3707	640423.5	4169436.2	Worker	Scenario 4	1.75E-01	5.94E-03	3.76E-03
3708	640448.5	4169436.2	Worker	Scenario 4	1.79E-01	6.22E-03	3.83E-03
3709	640473.5	4169436.2	Worker	Scenario 4	1.84E-01	6.64E-03	3.83E-03
3710	640498.5	4169436.2	Worker	Scenario 4	1.93E-01	7.32E-03	3.87E-03
3711	640523.5	4169436.2	Worker	Scenario 4	2.00E-01	7.82E-03	3.80E-03
3712	640548.5	4169436.2	Worker	Scenario 4	2.03E-01	8.07E-03	3.83E-03
3713	640573.5	4169436.2	Worker	Scenario 4	2.05E-01	8.20E-03	3.94E-03
3714	640598.5	4169436.2	Worker	Scenario 4	2.06E-01	8.20E-03	3.92E-03
3715	640623.5	4169436.2	Worker	Scenario 4	2.05E-01	8.10E-03	3.96E-03
3716	640648.5	4169436.2	Worker	Scenario 4	2.04E-01	7.94E-03	3.91E-03
3717	640673.5	4169436.2	Worker	Scenario 4	2.01E-01	7.71E-03	3.75E-03
3718	640698.5	4169436.2	Worker	Scenario 4	1.98E-01	7.42E-03	3.79E-03
3719	640723.5	4169436.2	Worker	Scenario 4	1.95E-01	7.07E-03	3.99E-03
3720	640748.5	4169436.2	Worker	Scenario 4	1.92E-01	6.77E-03	4.07E-03
3721	640773.5	4169436.2	Worker	Scenario 4	1.89E-01	6.54E-03	4.01E-03
3722	640798.5	4169436.2	Worker	Scenario 4	1.88E-01	6.35E-03	4.00E-03
3723	640823.5	4169436.2	Worker	Scenario 4	1.86E-01	6.19E-03	4.12E-03
3724	641098.5	4169436.2	Worker	Scenario 4	1.96E-01	6.06E-03	4.08E-03
3725	641123.5	4169436.2	Worker	Scenario 4	2.00E-01	6.23E-03	4.23E-03
3726	641148.5	4169436.2	Worker	Scenario 4	2.05E-01	6.42E-03	4.24E-03
3727	641173.5	4169436.2	Worker	Scenario 4	2.11E-01	6.63E-03	4.10E-03
3728	641198.5	4169436.2	Worker	Scenario 4	2.18E-01	6.88E-03	3.93E-03
3729	641223.5	4169436.2	Worker	Scenario 4	2.29E-01	7.23E-03	4.18E-03
3730	641248.5	4169436.2	Worker	Scenario 4	2.45E-01	7.82E-03	4.27E-03
3731	641273.5	4169436.2	Worker	Scenario 4	2.75E-01	8.95E-03	4.26E-03
3732	641298.5	4169436.2	Worker	Scenario 4	3.40E-01	1.16E-02	4.27E-03
3733	641348.5	4169436.2	Worker	Scenario 4	5.43E-01	1.85E-02	4.20E-03
3734	641373.5	4169436.2	Worker	Scenario 4	3.96E-01	1.24E-02	4.21E-03
3735	641398.5	4169436.2	Worker	Scenario 4	3.26E-01	9.69E-03	4.29E-03
3736	640423.5	4169461.2	Worker	Scenario 4	1.69E-01	5.60E-03	3.75E-03
3737	640448.5	4169461.2	Worker	Scenario 4	1.72E-01	5.82E-03	3.76E-03
3738	640473.5	4169461.2	Worker	Scenario 4	1.76E-01	6.12E-03	3.80E-03
3739	640498.5	4169461.2	Worker	Scenario 4	1.81E-01	6.48E-03	3.79E-03
3740	640523.5	4169461.2	Worker	Scenario 4	1.84E-01	6.69E-03	3.67E-03
3741	640548.5	4169461.2	Worker	Scenario 4	1.85E-01	6.77E-03	3.82E-03
3742	640573.5	4169461.2	Worker	Scenario 4	1.86E-01	6.79E-03	3.87E-03
3743	640598.5	4169461.2	Worker	Scenario 4	1.86E-01	6.78E-03	3.86E-03
3744	640623.5	4169461.2	Worker	Scenario 4	1.86E-01	6.73E-03	3.88E-03
3745	640648.5	4169461.2	Worker	Scenario 4	1.85E-01	6.64E-03	3.79E-03
3746	640673.5	4169461.2	Worker	Scenario 4	1.84E-01	6.51E-03	3.59E-03
3747	640698.5	4169461.2	Worker	Scenario 4	1.83E-01	6.34E-03	3.81E-03
3748	640723.5	4169461.2	Worker	Scenario 4	1.81E-01	6.17E-03	3.96E-03
3749	640748.5	4169461.2	Worker	Scenario 4	1.80E-01	6.01E-03	4.00E-03
3750	640773.5	4169461.2	Worker	Scenario 4	1.79E-01	5.89E-03	3.90E-03
3751	640798.5	4169461.2	Worker	Scenario 4	1.78E-01	5.77E-03	3.99E-03
3752	641148.5	4169461.2	Worker	Scenario 4	1.97E-01	5.98E-03	4.16E-03
3753	641173.5	4169461.2	Worker	Scenario 4	2.03E-01	6.17E-03	4.00E-03
3754	641198.5	4169461.2	Worker	Scenario 4	2.10E-01	6.41E-03	3.90E-03
3755	641223.5	4169461.2	Worker	Scenario 4	2.21E-01	6.78E-03	4.13E-03
3756	641248.5	4169461.2	Worker	Scenario 4	2.38E-01	7.40E-03	4.20E-03
3757	641273.5	4169461.2	Worker	Scenario 4	2.68E-01	8.58E-03	4.19E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3758	641298.5	4169461.2	Worker	Scenario 4	3.35E-01	1.13E-02	4.19E-03
3759	641348.5	4169461.2	Worker	Scenario 4	5.32E-01	1.80E-02	4.12E-03
3760	641373.5	4169461.2	Worker	Scenario 4	3.89E-01	1.21E-02	4.15E-03
3761	638073.5	4169486.2	Worker	Scenario 4	7.11E-02	2.27E-03	1.47E-03
3762	639398.5	4169486.2	Worker	Scenario 4	2.06E-01	6.30E-03	2.40E-03
3763	640448.5	4169486.2	Worker	Scenario 4	1.65E-01	5.46E-03	3.68E-03
3764	640473.5	4169486.2	Worker	Scenario 4	1.68E-01	5.64E-03	3.73E-03
3765	640498.5	4169486.2	Worker	Scenario 4	1.70E-01	5.81E-03	3.68E-03
3766	640523.5	4169486.2	Worker	Scenario 4	1.72E-01	5.93E-03	3.68E-03
3767	640548.5	4169486.2	Worker	Scenario 4	1.73E-01	5.98E-03	3.79E-03
3768	640573.5	4169486.2	Worker	Scenario 4	1.74E-01	5.99E-03	3.79E-03
3769	640598.5	4169486.2	Worker	Scenario 4	1.74E-01	5.98E-03	3.82E-03
3770	640623.5	4169486.2	Worker	Scenario 4	1.74E-01	5.94E-03	3.80E-03
3771	640648.5	4169486.2	Worker	Scenario 4	1.74E-01	5.88E-03	3.66E-03
3772	640673.5	4169486.2	Worker	Scenario 4	1.73E-01	5.79E-03	3.59E-03
3773	640698.5	4169486.2	Worker	Scenario 4	1.72E-01	5.68E-03	3.81E-03
3774	640723.5	4169486.2	Worker	Scenario 4	1.72E-01	5.58E-03	3.92E-03
3775	640748.5	4169486.2	Worker	Scenario 4	1.71E-01	5.49E-03	3.91E-03
3776	640773.5	4169486.2	Worker	Scenario 4	1.71E-01	5.41E-03	3.81E-03
3777	638048.5	4169511.2	Worker	Scenario 4	6.73E-02	2.08E-03	1.43E-03
3778	638073.5	4169511.2	Worker	Scenario 4	7.47E-02	2.35E-03	1.46E-03
3779	640473.5	4169511.2	Worker	Scenario 4	1.61E-01	5.25E-03	3.66E-03
3780	640498.5	4169511.2	Worker	Scenario 4	1.63E-01	5.35E-03	3.56E-03
3781	640523.5	4169511.2	Worker	Scenario 4	1.64E-01	5.41E-03	3.68E-03
3782	640548.5	4169511.2	Worker	Scenario 4	1.65E-01	5.44E-03	3.74E-03
3783	640573.5	4169511.2	Worker	Scenario 4	1.65E-01	5.44E-03	3.72E-03
3784	640598.5	4169511.2	Worker	Scenario 4	1.65E-01	5.43E-03	3.76E-03
3785	640623.5	4169511.2	Worker	Scenario 4	1.65E-01	5.40E-03	3.70E-03
3786	640648.5	4169511.2	Worker	Scenario 4	1.65E-01	5.35E-03	3.53E-03
3787	640673.5	4169511.2	Worker	Scenario 4	1.65E-01	5.29E-03	3.62E-03
3788	638023.5	4169536.2	Worker	Scenario 4	6.45E-02	1.94E-03	1.41E-03
3789	638048.5	4169536.2	Worker	Scenario 4	7.09E-02	2.16E-03	1.46E-03
3790	638073.5	4169536.2	Worker	Scenario 4	7.82E-02	2.42E-03	1.51E-03
3791	637998.5	4169561.2	Worker	Scenario 4	6.17E-02	1.83E-03	1.42E-03
3792	638023.5	4169561.2	Worker	Scenario 4	6.75E-02	2.01E-03	1.47E-03
3793	638048.5	4169561.2	Worker	Scenario 4	7.39E-02	2.22E-03	1.51E-03
3794	638073.5	4169561.2	Worker	Scenario 4	8.20E-02	2.49E-03	1.55E-03
3795	637998.5	4169586.2	Worker	Scenario 4	6.44E-02	1.88E-03	1.47E-03
3796	638023.5	4169586.2	Worker	Scenario 4	7.01E-02	2.06E-03	1.51E-03
3797	638048.5	4169586.2	Worker	Scenario 4	7.72E-02	2.27E-03	1.54E-03
3798	638073.5	4169586.2	Worker	Scenario 4	8.65E-02	2.55E-03	1.57E-03
3799	637998.5	4169611.2	Worker	Scenario 4	6.65E-02	1.92E-03	1.50E-03
3800	638023.5	4169611.2	Worker	Scenario 4	7.27E-02	2.10E-03	1.53E-03
3801	638048.5	4169611.2	Worker	Scenario 4	8.07E-02	2.33E-03	1.56E-03
3802	638073.5	4169611.2	Worker	Scenario 4	9.13E-02	2.62E-03	1.58E-03
3803	639248.5	4169611.2	Worker	Scenario 4	1.98E-01	6.13E-03	2.19E-03
3804	637998.5	4169636.2	Worker	Scenario 4	6.85E-02	1.96E-03	1.52E-03
3805	638023.5	4169636.2	Worker	Scenario 4	7.54E-02	2.14E-03	1.55E-03
3806	638048.5	4169636.2	Worker	Scenario 4	8.42E-02	2.37E-03	1.56E-03
3807	638073.5	4169636.2	Worker	Scenario 4	9.64E-02	2.68E-03	1.58E-03
3808	637998.5	4169661.2	Worker	Scenario 4	7.06E-02	1.99E-03	1.53E-03
3809	638023.5	4169661.2	Worker	Scenario 4	7.80E-02	2.18E-03	1.55E-03
3810	638048.5	4169661.2	Worker	Scenario 4	8.76E-02	2.42E-03	1.55E-03
3811	638073.5	4169661.2	Worker	Scenario 4	1.01E-01	2.73E-03	1.55E-03
3812	637998.5	4169686.2	Worker	Scenario 4	7.27E-02	2.03E-03	1.53E-03
3813	638023.5	4169686.2	Worker	Scenario 4	8.05E-02	2.22E-03	1.53E-03
3814	638048.5	4169686.2	Worker	Scenario 4	9.06E-02	2.46E-03	1.53E-03
3815	638073.5	4169686.2	Worker	Scenario 4	1.06E-01	2.80E-03	1.52E-03
3816	637998.5	4169711.2	Worker	Scenario 4	7.47E-02	2.06E-03	1.51E-03
3817	638023.5	4169711.2	Worker	Scenario 4	8.28E-02	2.25E-03	1.50E-03
3818	638048.5	4169711.2	Worker	Scenario 4	9.10E-02	2.45E-03	1.49E-03
3819	638073.5	4169711.2	Worker	Scenario 4	1.09E-01	2.84E-03	1.47E-03
3820	637998.5	4169736.2	Worker	Scenario 4	7.64E-02	2.09E-03	1.48E-03
3821	638023.5	4169736.2	Worker	Scenario 4	8.47E-02	2.28E-03	1.46E-03
3822	638048.5	4169736.2	Worker	Scenario 4	9.17E-02	2.45E-03	1.44E-03
3823	638073.5	4169736.2	Worker	Scenario 4	1.12E-01	2.88E-03	1.42E-03
3824	639098.5	4169736.2	Worker	Scenario 4	1.91E-01	6.27E-03	2.02E-03
3825	637998.5	4169761.2	Worker	Scenario 4	7.78E-02	2.11E-03	1.43E-03
3826	638023.5	4169761.2	Worker	Scenario 4	8.62E-02	2.31E-03	1.41E-03
3827	638048.5	4169761.2	Worker	Scenario 4	9.65E-02	2.54E-03	1.38E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3828	638073.5	4169761.2	Worker	Scenario 4	1.14E-01	2.92E-03	1.36E-03
3829	639073.5	4169761.2	Worker	Scenario 4	1.87E-01	6.25E-03	1.98E-03
3830	637998.5	4169786.2	Worker	Scenario 4	7.90E-02	2.14E-03	1.38E-03
3831	638023.5	4169786.2	Worker	Scenario 4	8.78E-02	2.34E-03	1.35E-03
3832	638048.5	4169786.2	Worker	Scenario 4	9.95E-02	2.61E-03	1.33E-03
3833	638073.5	4169786.2	Worker	Scenario 4	1.16E-01	2.97E-03	1.32E-03
3834	639048.5	4169786.2	Worker	Scenario 4	1.84E-01	6.28E-03	1.96E-03
3835	637998.5	4169811.2	Worker	Scenario 4	7.99E-02	2.16E-03	1.32E-03
3836	638023.5	4169811.2	Worker	Scenario 4	8.88E-02	2.37E-03	1.31E-03
3837	638048.5	4169811.2	Worker	Scenario 4	1.00E-01	2.64E-03	1.30E-03
3838	638073.5	4169811.2	Worker	Scenario 4	1.16E-01	3.01E-03	1.29E-03
3839	637998.5	4169836.2	Worker	Scenario 4	8.05E-02	2.19E-03	1.28E-03
3840	638023.5	4169836.2	Worker	Scenario 4	8.93E-02	2.40E-03	1.27E-03
3841	638048.5	4169836.2	Worker	Scenario 4	1.01E-01	2.68E-03	1.27E-03
3842	638073.5	4169836.2	Worker	Scenario 4	1.16E-01	3.05E-03	1.30E-03
3843	637998.5	4169861.2	Worker	Scenario 4	8.08E-02	2.21E-03	1.25E-03
3844	638023.5	4169861.2	Worker	Scenario 4	8.94E-02	2.43E-03	1.25E-03
3845	638048.5	4169861.2	Worker	Scenario 4	1.00E-01	2.72E-03	1.30E-03
3846	638073.5	4169861.2	Worker	Scenario 4	1.15E-01	3.10E-03	1.35E-03
3847	637998.5	4169886.2	Worker	Scenario 4	8.09E-02	2.23E-03	1.25E-03
3848	638023.5	4169886.2	Worker	Scenario 4	8.93E-02	2.47E-03	1.30E-03
3849	638048.5	4169886.2	Worker	Scenario 4	9.99E-02	2.77E-03	1.35E-03
3850	638073.5	4169886.2	Worker	Scenario 4	1.14E-01	3.18E-03	1.40E-03
3851	637998.5	4169911.2	Worker	Scenario 4	8.09E-02	2.27E-03	1.30E-03
3852	638023.5	4169911.2	Worker	Scenario 4	8.91E-02	2.52E-03	1.35E-03
3853	638048.5	4169911.2	Worker	Scenario 4	9.93E-02	2.84E-03	1.39E-03
3854	638073.5	4169911.2	Worker	Scenario 4	1.13E-01	3.29E-03	1.43E-03
3855	637998.5	4169936.2	Worker	Scenario 4	8.07E-02	2.30E-03	1.34E-03
3856	638023.5	4169936.2	Worker	Scenario 4	8.87E-02	2.58E-03	1.38E-03
3857	638048.5	4169936.2	Worker	Scenario 4	9.89E-02	2.96E-03	1.42E-03
3858	638073.5	4169936.2	Worker	Scenario 4	1.12E-01	3.50E-03	1.45E-03
3859	637998.5	4169961.2	Worker	Scenario 4	8.03E-02	2.34E-03	1.38E-03
3860	638023.5	4169961.2	Worker	Scenario 4	8.84E-02	2.67E-03	1.41E-03
3861	638048.5	4169961.2	Worker	Scenario 4	9.89E-02	3.14E-03	1.44E-03
3862	638073.5	4169961.2	Worker	Scenario 4	1.13E-01	3.89E-03	1.46E-03
3863	637998.5	4169986.2	Worker	Scenario 4	7.96E-02	2.37E-03	1.40E-03
3864	638023.5	4169986.2	Worker	Scenario 4	8.78E-02	2.75E-03	1.43E-03
3865	638048.5	4169986.2	Worker	Scenario 4	9.98E-02	3.41E-03	1.45E-03
3866	638073.5	4169986.2	Worker	Scenario 4	1.20E-01	4.74E-03	1.46E-03
3867	637998.5	4170011.2	Worker	Scenario 4	7.85E-02	2.38E-03	1.42E-03
3868	638023.5	4170011.2	Worker	Scenario 4	8.67E-02	2.80E-03	1.43E-03
3869	638048.5	4170011.2	Worker	Scenario 4	1.00E-01	3.62E-03	1.45E-03
3870	638073.5	4170011.2	Worker	Scenario 4	1.38E-01	6.46E-03	1.45E-03
3871	637998.5	4170036.2	Worker	Scenario 4	7.68E-02	2.35E-03	1.42E-03
3872	638023.5	4170036.2	Worker	Scenario 4	8.45E-02	2.76E-03	1.43E-03
3873	638048.5	4170036.2	Worker	Scenario 4	9.70E-02	3.55E-03	1.43E-03
3874	638073.5	4170036.2	Worker	Scenario 4	1.19E-01	5.15E-03	1.43E-03
3875	638098.5	4170036.2	Worker	Scenario 4	1.44E-01	6.94E-03	1.42E-03
3876	638123.5	4170036.2	Worker	Scenario 4	1.60E-01	8.03E-03	1.40E-03
3877	638148.5	4170036.2	Worker	Scenario 4	1.70E-01	8.68E-03	1.38E-03
3878	638173.5	4170036.2	Worker	Scenario 4	1.78E-01	9.14E-03	1.42E-03
3879	638198.5	4170036.2	Worker	Scenario 4	1.85E-01	9.52E-03	1.45E-03
3880	638223.5	4170036.2	Worker	Scenario 4	1.91E-01	9.84E-03	1.47E-03
3881	638248.5	4170036.2	Worker	Scenario 4	1.98E-01	1.02E-02	1.49E-03
3882	638273.5	4170036.2	Worker	Scenario 4	2.05E-01	1.05E-02	1.49E-03
3883	638298.5	4170036.2	Worker	Scenario 4	2.13E-01	1.09E-02	1.49E-03
3884	638323.5	4170036.2	Worker	Scenario 4	2.22E-01	1.13E-02	1.51E-03
3885	638348.5	4170036.2	Worker	Scenario 4	2.34E-01	1.19E-02	1.53E-03
3886	638373.5	4170036.2	Worker	Scenario 4	2.50E-01	1.26E-02	1.54E-03
3887	638398.5	4170036.2	Worker	Scenario 4	2.70E-01	1.35E-02	1.54E-03
3888	638423.5	4170036.2	Worker	Scenario 4	2.70E-01	1.35E-02	1.56E-03
3889	638448.5	4170036.2	Worker	Scenario 4	2.59E-01	1.30E-02	1.58E-03
3890	638473.5	4170036.2	Worker	Scenario 4	2.52E-01	1.28E-02	1.60E-03
3891	638498.5	4170036.2	Worker	Scenario 4	2.49E-01	1.27E-02	1.60E-03
3892	638523.5	4170036.2	Worker	Scenario 4	2.47E-01	1.29E-02	1.59E-03
3893	638548.5	4170036.2	Worker	Scenario 4	2.48E-01	1.31E-02	1.58E-03
3894	638573.5	4170036.2	Worker	Scenario 4	2.50E-01	1.34E-02	1.55E-03
3895	638598.5	4170036.2	Worker	Scenario 4	2.54E-01	1.38E-02	1.59E-03
3896	638623.5	4170036.2	Worker	Scenario 4	2.60E-01	1.44E-02	1.63E-03
3897	638648.5	4170036.2	Worker	Scenario 4	2.68E-01	1.52E-02	1.66E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3898	638673.5	4170036.2	Worker	Scenario 4	2.82E-01	1.64E-02	1.67E-03
3899	638698.5	4170036.2	Worker	Scenario 4	2.88E-01	1.70E-02	1.68E-03
3900	638723.5	4170036.2	Worker	Scenario 4	2.78E-01	1.62E-02	1.67E-03
3901	638748.5	4170036.2	Worker	Scenario 4	2.70E-01	1.56E-02	1.70E-03
3902	638023.5	4170061.2	Worker	Scenario 4	8.20E-02	2.72E-03	1.40E-03
3903	638048.5	4170061.2	Worker	Scenario 4	9.15E-02	3.27E-03	1.41E-03
3904	638073.5	4170061.2	Worker	Scenario 4	1.02E-01	3.95E-03	1.40E-03
3905	638098.5	4170061.2	Worker	Scenario 4	1.13E-01	4.63E-03	1.38E-03
3906	638123.5	4170061.2	Worker	Scenario 4	1.16E-01	4.79E-03	1.38E-03
3907	638148.5	4170061.2	Worker	Scenario 4	1.12E-01	4.43E-03	1.42E-03
3908	638173.5	4170061.2	Worker	Scenario 4	1.12E-01	4.43E-03	1.44E-03
3909	638198.5	4170061.2	Worker	Scenario 4	1.15E-01	4.52E-03	1.47E-03
3910	638223.5	4170061.2	Worker	Scenario 4	1.18E-01	4.66E-03	1.48E-03
3911	638248.5	4170061.2	Worker	Scenario 4	1.23E-01	4.84E-03	1.48E-03
3912	638273.5	4170061.2	Worker	Scenario 4	1.27E-01	5.05E-03	1.48E-03
3913	638298.5	4170061.2	Worker	Scenario 4	1.33E-01	5.29E-03	1.51E-03
3914	638323.5	4170061.2	Worker	Scenario 4	1.39E-01	5.56E-03	1.52E-03
3915	638348.5	4170061.2	Worker	Scenario 4	1.45E-01	5.83E-03	1.53E-03
3916	638373.5	4170061.2	Worker	Scenario 4	1.51E-01	6.04E-03	1.53E-03
3917	638398.5	4170061.2	Worker	Scenario 4	1.54E-01	6.16E-03	1.56E-03
3918	638423.5	4170061.2	Worker	Scenario 4	1.57E-01	6.29E-03	1.58E-03
3919	638448.5	4170061.2	Worker	Scenario 4	1.60E-01	6.49E-03	1.59E-03
3920	638473.5	4170061.2	Worker	Scenario 4	1.69E-01	7.02E-03	1.59E-03
3921	638498.5	4170061.2	Worker	Scenario 4	1.81E-01	8.04E-03	1.58E-03
3922	638523.5	4170061.2	Worker	Scenario 4	1.80E-01	8.14E-03	1.56E-03
3923	638548.5	4170061.2	Worker	Scenario 4	1.80E-01	8.19E-03	1.53E-03
3924	638573.5	4170061.2	Worker	Scenario 4	1.81E-01	8.32E-03	1.58E-03
3925	638598.5	4170061.2	Worker	Scenario 4	1.83E-01	8.53E-03	1.62E-03
3926	638623.5	4170061.2	Worker	Scenario 4	1.85E-01	8.79E-03	1.64E-03
3927	638648.5	4170061.2	Worker	Scenario 4	1.89E-01	9.12E-03	1.66E-03
3928	638673.5	4170061.2	Worker	Scenario 4	1.91E-01	9.39E-03	1.66E-03
3929	638698.5	4170061.2	Worker	Scenario 4	1.91E-01	9.40E-03	1.66E-03
3930	638723.5	4170061.2	Worker	Scenario 4	1.88E-01	9.24E-03	1.68E-03
3931	638748.5	4170061.2	Worker	Scenario 4	1.84E-01	9.01E-03	1.69E-03
3932	638048.5	4170086.2	Worker	Scenario 4	8.56E-02	2.94E-03	1.37E-03
3933	638073.5	4170086.2	Worker	Scenario 4	9.22E-02	3.31E-03	1.35E-03
3934	638098.5	4170086.2	Worker	Scenario 4	9.85E-02	3.66E-03	1.36E-03
3935	638123.5	4170086.2	Worker	Scenario 4	1.02E-01	3.79E-03	1.40E-03
3936	638148.5	4170086.2	Worker	Scenario 4	1.09E-01	4.17E-03	1.42E-03
3937	638173.5	4170086.2	Worker	Scenario 4	1.14E-01	4.44E-03	1.44E-03
3938	638198.5	4170086.2	Worker	Scenario 4	1.18E-01	4.63E-03	1.45E-03
3939	638223.5	4170086.2	Worker	Scenario 4	1.22E-01	4.81E-03	1.45E-03
3940	638248.5	4170086.2	Worker	Scenario 4	1.26E-01	4.99E-03	1.45E-03
3941	638273.5	4170086.2	Worker	Scenario 4	1.31E-01	5.18E-03	1.48E-03
3942	638298.5	4170086.2	Worker	Scenario 4	1.35E-01	5.38E-03	1.49E-03
3943	638323.5	4170086.2	Worker	Scenario 4	1.40E-01	5.57E-03	1.50E-03
3944	638348.5	4170086.2	Worker	Scenario 4	1.44E-01	5.75E-03	1.50E-03
3945	638373.5	4170086.2	Worker	Scenario 4	1.48E-01	5.91E-03	1.53E-03
3946	638398.5	4170086.2	Worker	Scenario 4	1.50E-01	5.99E-03	1.55E-03
3947	638423.5	4170086.2	Worker	Scenario 4	1.51E-01	6.05E-03	1.56E-03
3948	638448.5	4170086.2	Worker	Scenario 4	1.51E-01	6.05E-03	1.56E-03
3949	638473.5	4170086.2	Worker	Scenario 4	1.49E-01	5.94E-03	1.56E-03
3950	638498.5	4170086.2	Worker	Scenario 4	1.50E-01	6.07E-03	1.54E-03
3951	638523.5	4170086.2	Worker	Scenario 4	1.50E-01	6.17E-03	1.51E-03
3952	638548.5	4170086.2	Worker	Scenario 4	1.50E-01	6.25E-03	1.56E-03
3953	638573.5	4170086.2	Worker	Scenario 4	1.51E-01	6.36E-03	1.59E-03
3954	638598.5	4170086.2	Worker	Scenario 4	1.52E-01	6.49E-03	1.62E-03
3955	638623.5	4170086.2	Worker	Scenario 4	1.53E-01	6.62E-03	1.63E-03
3956	638648.5	4170086.2	Worker	Scenario 4	1.54E-01	6.74E-03	1.64E-03
3957	638673.5	4170086.2	Worker	Scenario 4	1.54E-01	6.79E-03	1.63E-03
3958	638698.5	4170086.2	Worker	Scenario 4	1.53E-01	6.74E-03	1.66E-03
3959	638723.5	4170086.2	Worker	Scenario 4	1.52E-01	6.64E-03	1.67E-03
3960	638323.5	4170111.2	Worker	Scenario 4	1.23E-01	4.62E-03	1.48E-03
3961	638348.5	4170111.2	Worker	Scenario 4	1.26E-01	4.74E-03	1.51E-03
3962	638373.5	4170111.2	Worker	Scenario 4	1.29E-01	4.83E-03	1.53E-03
3963	638398.5	4170111.2	Worker	Scenario 4	1.30E-01	4.89E-03	1.54E-03
3964	638423.5	4170111.2	Worker	Scenario 4	1.31E-01	4.94E-03	1.54E-03
3965	638448.5	4170111.2	Worker	Scenario 4	1.31E-01	4.97E-03	1.53E-03
3966	638473.5	4170111.2	Worker	Scenario 4	1.31E-01	4.99E-03	1.51E-03
3967	638498.5	4170111.2	Worker	Scenario 4	1.31E-01	5.04E-03	1.50E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
3968	638523.5	4170111.2	Worker	Scenario 4	1.31E-01	5.09E-03	1.54E-03
3969	638548.5	4170111.2	Worker	Scenario 4	1.32E-01	5.15E-03	1.57E-03
3970	638573.5	4170111.2	Worker	Scenario 4	1.32E-01	5.22E-03	1.60E-03
3971	638598.5	4170111.2	Worker	Scenario 4	1.33E-01	5.29E-03	1.61E-03
3972	638623.5	4170111.2	Worker	Scenario 4	1.33E-01	5.35E-03	1.62E-03
3973	638648.5	4170111.2	Worker	Scenario 4	1.34E-01	5.39E-03	1.61E-03
3974	638673.5	4170111.2	Worker	Scenario 4	1.33E-01	5.39E-03	1.64E-03
3975	638698.5	4170111.2	Worker	Scenario 4	1.33E-01	5.36E-03	1.65E-03
3976	642711.0	4166673.7	Worker	Scenario 4	1.82E-01	4.65E-03	7.29E-03
3977	642761.0	4166673.7	Worker	Scenario 4	1.82E-01	4.68E-03	6.82E-03
3978	642811.0	4166673.7	Worker	Scenario 4	1.81E-01	4.71E-03	6.68E-03
3979	642861.0	4166673.7	Worker	Scenario 4	1.82E-01	4.83E-03	6.28E-03
3980	642911.0	4166673.7	Worker	Scenario 4	1.82E-01	4.90E-03	5.89E-03
3981	642961.0	4166673.7	Worker	Scenario 4	1.81E-01	4.93E-03	5.77E-03
3982	643011.0	4166673.7	Worker	Scenario 4	1.83E-01	5.04E-03	5.39E-03
3983	643061.0	4166673.7	Worker	Scenario 4	1.84E-01	5.10E-03	4.95E-03
3984	643111.0	4166673.7	Worker	Scenario 4	1.85E-01	5.15E-03	4.57E-03
3985	643161.0	4166673.7	Worker	Scenario 4	1.85E-01	5.19E-03	4.25E-03
3986	643211.0	4166673.7	Worker	Scenario 4	1.86E-01	5.20E-03	4.32E-03
3987	643261.0	4166673.7	Worker	Scenario 4	1.86E-01	5.17E-03	4.42E-03
3988	643311.0	4166673.7	Worker	Scenario 4	1.87E-01	5.13E-03	4.44E-03
3989	643361.0	4166673.7	Worker	Scenario 4	1.87E-01	5.07E-03	4.38E-03
3990	643411.0	4166673.7	Worker	Scenario 4	1.86E-01	5.01E-03	4.25E-03
3991	643461.0	4166673.7	Worker	Scenario 4	1.86E-01	4.94E-03	4.11E-03
3992	643511.0	4166673.7	Worker	Scenario 4	1.86E-01	4.87E-03	4.08E-03
3993	643561.0	4166673.7	Worker	Scenario 4	1.85E-01	4.80E-03	4.04E-03
3994	643611.0	4166673.7	Worker	Scenario 4	1.84E-01	4.73E-03	4.15E-03
3995	643661.0	4166673.7	Worker	Scenario 4	1.82E-01	4.65E-03	4.36E-03
3996	643711.0	4166673.7	Worker	Scenario 4	1.80E-01	4.58E-03	4.54E-03
3997	643761.0	4166673.7	Worker	Scenario 4	1.78E-01	4.50E-03	4.68E-03
3998	643811.0	4166673.7	Worker	Scenario 4	1.75E-01	4.41E-03	4.80E-03
3999	643861.0	4166673.7	Worker	Scenario 4	1.72E-01	4.33E-03	4.89E-03
4000	643911.0	4166673.7	Worker	Scenario 4	1.69E-01	4.25E-03	4.94E-03
4001	643961.0	4166673.7	Worker	Scenario 4	1.66E-01	4.17E-03	4.97E-03
4002	644011.0	4166673.7	Worker	Scenario 4	1.63E-01	4.09E-03	4.96E-03
4003	644061.0	4166673.7	Worker	Scenario 4	1.60E-01	4.01E-03	4.94E-03
4004	644111.0	4166673.7	Worker	Scenario 4	1.57E-01	3.93E-03	4.89E-03
4005	641461.0	4166723.7	Worker	Scenario 4	2.13E-01	6.45E-03	2.73E-02
4006	641511.0	4166723.7	Worker	Scenario 4	2.02E-01	5.96E-03	3.28E-02
4007	641561.0	4166723.7	Worker	Scenario 4	2.08E-01	6.05E-03	3.67E-02
4008	641611.0	4166723.7	Worker	Scenario 4	2.20E-01	6.36E-03	3.03E-02
4009	641661.0	4166723.7	Worker	Scenario 4	2.38E-01	6.80E-03	3.17E-02
4010	641711.0	4166723.7	Worker	Scenario 4	2.56E-01	7.25E-03	2.58E-02
4011	641761.0	4166723.7	Worker	Scenario 4	2.73E-01	7.66E-03	2.23E-02
4012	641811.0	4166723.7	Worker	Scenario 4	2.86E-01	7.98E-03	1.78E-02
4013	641861.0	4166723.7	Worker	Scenario 4	2.96E-01	8.20E-03	1.72E-02
4014	641911.0	4166723.7	Worker	Scenario 4	3.02E-01	8.36E-03	1.66E-02
4015	641961.0	4166723.7	Worker	Scenario 4	3.05E-01	8.41E-03	1.60E-02
4016	642011.0	4166723.7	Worker	Scenario 4	3.03E-01	8.36E-03	1.47E-02
4017	642061.0	4166723.7	Worker	Scenario 4	2.95E-01	8.18E-03	1.40E-02
4018	642111.0	4166723.7	Worker	Scenario 4	2.86E-01	7.92E-03	1.29E-02
4019	642161.0	4166723.7	Worker	Scenario 4	2.75E-01	7.62E-03	1.29E-02
4020	642211.0	4166723.7	Worker	Scenario 4	2.65E-01	7.27E-03	1.08E-02
4021	642261.0	4166723.7	Worker	Scenario 4	2.54E-01	6.89E-03	1.16E-02
4022	642311.0	4166723.7	Worker	Scenario 4	2.44E-01	6.50E-03	1.17E-02
4023	642361.0	4166723.7	Worker	Scenario 4	2.34E-01	6.13E-03	1.05E-02
4024	642411.0	4166723.7	Worker	Scenario 4	2.26E-01	5.81E-03	9.78E-03
4025	642661.0	4166723.7	Worker	Scenario 4	2.02E-01	5.09E-03	7.66E-03
4026	642711.0	4166723.7	Worker	Scenario 4	2.00E-01	5.11E-03	7.42E-03
4027	642761.0	4166723.7	Worker	Scenario 4	2.00E-01	5.19E-03	7.02E-03
4028	642811.0	4166723.7	Worker	Scenario 4	2.01E-01	5.31E-03	6.60E-03
4029	642861.0	4166723.7	Worker	Scenario 4	2.01E-01	5.42E-03	6.38E-03
4030	642911.0	4166723.7	Worker	Scenario 4	2.03E-01	5.60E-03	5.87E-03
4031	642961.0	4166723.7	Worker	Scenario 4	2.03E-01	5.67E-03	5.36E-03
4032	643011.0	4166723.7	Worker	Scenario 4	2.05E-01	5.79E-03	4.91E-03
4033	643061.0	4166723.7	Worker	Scenario 4	2.06E-01	5.88E-03	4.76E-03
4034	643111.0	4166723.7	Worker	Scenario 4	2.08E-01	5.97E-03	4.91E-03
4035	643161.0	4166723.7	Worker	Scenario 4	2.09E-01	6.01E-03	4.95E-03
4036	643211.0	4166723.7	Worker	Scenario 4	2.09E-01	5.99E-03	4.89E-03
4037	643261.0	4166723.7	Worker	Scenario 4	2.10E-01	5.93E-03	4.74E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
4038	643311.0	4166723.7	Worker	Scenario 4	2.09E-01	5.86E-03	4.55E-03
4039	643361.0	4166723.7	Worker	Scenario 4	2.09E-01	5.78E-03	4.50E-03
4040	643411.0	4166723.7	Worker	Scenario 4	2.09E-01	5.70E-03	4.41E-03
4041	643461.0	4166723.7	Worker	Scenario 4	2.09E-01	5.61E-03	4.52E-03
4042	643511.0	4166723.7	Worker	Scenario 4	2.08E-01	5.53E-03	4.74E-03
4043	643561.0	4166723.7	Worker	Scenario 4	2.07E-01	5.44E-03	4.92E-03
4044	643611.0	4166723.7	Worker	Scenario 4	2.06E-01	5.36E-03	5.06E-03
4045	643661.0	4166723.7	Worker	Scenario 4	2.03E-01	5.27E-03	5.17E-03
4046	643711.0	4166723.7	Worker	Scenario 4	2.01E-01	5.17E-03	5.24E-03
4047	643761.0	4166723.7	Worker	Scenario 4	1.97E-01	5.08E-03	5.27E-03
4048	643811.0	4166723.7	Worker	Scenario 4	1.94E-01	4.98E-03	5.28E-03
4049	643861.0	4166723.7	Worker	Scenario 4	1.90E-01	4.88E-03	5.25E-03
4050	643911.0	4166723.7	Worker	Scenario 4	1.87E-01	4.79E-03	5.19E-03
4051	643961.0	4166723.7	Worker	Scenario 4	1.83E-01	4.70E-03	5.11E-03
4052	644011.0	4166723.7	Worker	Scenario 4	1.80E-01	4.61E-03	5.01E-03
4053	644061.0	4166723.7	Worker	Scenario 4	1.77E-01	4.52E-03	4.89E-03
4054	644111.0	4166723.7	Worker	Scenario 4	1.74E-01	4.43E-03	4.75E-03
4055	644161.0	4166723.7	Worker	Scenario 4	1.71E-01	4.34E-03	4.60E-03
4056	644211.0	4166723.7	Worker	Scenario 4	1.68E-01	4.24E-03	4.44E-03
4057	644261.0	4166723.7	Worker	Scenario 4	1.64E-01	4.13E-03	4.28E-03
4058	644311.0	4166723.7	Worker	Scenario 4	1.61E-01	4.00E-03	4.11E-03
4059	644361.0	4166723.7	Worker	Scenario 4	1.57E-01	3.85E-03	3.93E-03
4060	644411.0	4166723.7	Worker	Scenario 4	1.53E-01	3.70E-03	3.76E-03
4061	641461.0	4166773.7	Worker	Scenario 4	2.38E-01	7.18E-03	3.10E-02
4062	641511.0	4166773.7	Worker	Scenario 4	2.36E-01	6.94E-03	3.61E-02
4063	641561.0	4166773.7	Worker	Scenario 4	2.49E-01	7.27E-03	3.94E-02
4064	641611.0	4166773.7	Worker	Scenario 4	2.71E-01	7.85E-03	3.31E-02
4065	641661.0	4166773.7	Worker	Scenario 4	2.97E-01	8.50E-03	3.45E-02
4066	641711.0	4166773.7	Worker	Scenario 4	3.22E-01	9.12E-03	2.82E-02
4067	641761.0	4166773.7	Worker	Scenario 4	3.46E-01	9.68E-03	2.23E-02
4068	641811.0	4166773.7	Worker	Scenario 4	3.62E-01	1.01E-02	2.07E-02
4069	641861.0	4166773.7	Worker	Scenario 4	3.72E-01	1.03E-02	1.92E-02
4070	641911.0	4166773.7	Worker	Scenario 4	3.76E-01	1.04E-02	1.83E-02
4071	641961.0	4166773.7	Worker	Scenario 4	3.75E-01	1.03E-02	1.70E-02
4072	642011.0	4166773.7	Worker	Scenario 4	3.67E-01	1.02E-02	1.58E-02
4073	642061.0	4166773.7	Worker	Scenario 4	3.53E-01	9.79E-03	1.46E-02
4074	642111.0	4166773.7	Worker	Scenario 4	3.37E-01	9.36E-03	1.43E-02
4075	642161.0	4166773.7	Worker	Scenario 4	3.20E-01	8.87E-03	1.24E-02
4076	642211.0	4166773.7	Worker	Scenario 4	3.04E-01	8.33E-03	1.33E-02
4077	642261.0	4166773.7	Worker	Scenario 4	2.89E-01	7.76E-03	1.28E-02
4078	642311.0	4166773.7	Worker	Scenario 4	2.74E-01	7.20E-03	1.13E-02
4079	642361.0	4166773.7	Worker	Scenario 4	2.61E-01	6.69E-03	1.06E-02
4080	642611.0	4166773.7	Worker	Scenario 4	2.25E-01	5.60E-03	8.37E-03
4081	642661.0	4166773.7	Worker	Scenario 4	2.22E-01	5.59E-03	7.85E-03
4082	642711.0	4166773.7	Worker	Scenario 4	2.21E-01	5.69E-03	7.41E-03
4083	642761.0	4166773.7	Worker	Scenario 4	2.23E-01	5.89E-03	7.04E-03
4084	642811.0	4166773.7	Worker	Scenario 4	2.25E-01	6.12E-03	6.45E-03
4085	642861.0	4166773.7	Worker	Scenario 4	2.28E-01	6.35E-03	5.83E-03
4086	642911.0	4166773.7	Worker	Scenario 4	2.29E-01	6.52E-03	5.39E-03
4087	642961.0	4166773.7	Worker	Scenario 4	2.33E-01	6.74E-03	5.50E-03
4088	643011.0	4166773.7	Worker	Scenario 4	2.35E-01	6.89E-03	5.57E-03
4089	643061.0	4166773.7	Worker	Scenario 4	2.37E-01	7.07E-03	5.51E-03
4090	643111.0	4166773.7	Worker	Scenario 4	2.40E-01	7.19E-03	5.34E-03
4091	643161.0	4166773.7	Worker	Scenario 4	2.41E-01	7.21E-03	5.11E-03
4092	643211.0	4166773.7	Worker	Scenario 4	2.41E-01	7.13E-03	4.99E-03
4093	643261.0	4166773.7	Worker	Scenario 4	2.41E-01	7.02E-03	4.86E-03
4094	643311.0	4166773.7	Worker	Scenario 4	2.41E-01	6.90E-03	4.95E-03
4095	643361.0	4166773.7	Worker	Scenario 4	2.40E-01	6.78E-03	5.18E-03
4096	643411.0	4166773.7	Worker	Scenario 4	2.40E-01	6.68E-03	5.35E-03
4097	643461.0	4166773.7	Worker	Scenario 4	2.39E-01	6.57E-03	5.49E-03
4098	643511.0	4166773.7	Worker	Scenario 4	2.38E-01	6.46E-03	5.58E-03
4099	643561.0	4166773.7	Worker	Scenario 4	2.36E-01	6.36E-03	5.63E-03
4100	643611.0	4166773.7	Worker	Scenario 4	2.34E-01	6.25E-03	5.63E-03
4101	643661.0	4166773.7	Worker	Scenario 4	2.31E-01	6.14E-03	5.60E-03
4102	643711.0	4166773.7	Worker	Scenario 4	2.27E-01	6.03E-03	5.54E-03
4103	643761.0	4166773.7	Worker	Scenario 4	2.23E-01	5.91E-03	5.44E-03
4104	643811.0	4166773.7	Worker	Scenario 4	2.19E-01	5.80E-03	5.32E-03
4105	643861.0	4166773.7	Worker	Scenario 4	2.15E-01	5.69E-03	5.18E-03
4106	643911.0	4166773.7	Worker	Scenario 4	2.10E-01	5.58E-03	5.02E-03
4107	643961.0	4166773.7	Worker	Scenario 4	2.07E-01	5.47E-03	4.85E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
4108	644011.0	4166773.7	Worker	Scenario 4	2.03E-01	5.37E-03	4.67E-03
4109	644061.0	4166773.7	Worker	Scenario 4	2.00E-01	5.27E-03	4.48E-03
4110	644111.0	4166773.7	Worker	Scenario 4	1.96E-01	5.17E-03	4.28E-03
4111	644161.0	4166773.7	Worker	Scenario 4	1.93E-01	5.06E-03	4.09E-03
4112	644211.0	4166773.7	Worker	Scenario 4	1.89E-01	4.93E-03	3.89E-03
4113	644261.0	4166773.7	Worker	Scenario 4	1.85E-01	4.77E-03	3.69E-03
4114	644311.0	4166773.7	Worker	Scenario 4	1.80E-01	4.58E-03	3.50E-03
4115	644361.0	4166773.7	Worker	Scenario 4	1.74E-01	4.36E-03	3.31E-03
4116	644411.0	4166773.7	Worker	Scenario 4	1.69E-01	4.13E-03	3.13E-03
4117	644461.0	4166773.7	Worker	Scenario 4	1.63E-01	3.91E-03	2.96E-03
4118	644511.0	4166773.7	Worker	Scenario 4	1.56E-01	3.68E-03	2.85E-03
4119	641511.0	4166823.7	Worker	Scenario 4	2.86E-01	8.46E-03	3.97E-02
4120	641561.0	4166823.7	Worker	Scenario 4	3.14E-01	9.26E-03	4.14E-02
4121	641611.0	4166823.7	Worker	Scenario 4	3.53E-01	1.03E-02	3.58E-02
4122	641661.0	4166823.7	Worker	Scenario 4	3.91E-01	1.13E-02	3.43E-02
4123	641711.0	4166823.7	Worker	Scenario 4	4.26E-01	1.21E-02	2.85E-02
4124	641761.0	4166823.7	Worker	Scenario 4	4.54E-01	1.27E-02	2.32E-02
4125	641811.0	4166823.7	Worker	Scenario 4	4.75E-01	1.32E-02	2.16E-02
4126	641861.0	4166823.7	Worker	Scenario 4	4.86E-01	1.34E-02	2.13E-02
4127	641911.0	4166823.7	Worker	Scenario 4	4.87E-01	1.35E-02	1.98E-02
4128	641961.0	4166823.7	Worker	Scenario 4	4.78E-01	1.32E-02	1.80E-02
4129	642011.0	4166823.7	Worker	Scenario 4	4.57E-01	1.28E-02	1.68E-02
4130	642061.0	4166823.7	Worker	Scenario 4	4.31E-01	1.21E-02	1.60E-02
4131	642111.0	4166823.7	Worker	Scenario 4	4.05E-01	1.14E-02	1.46E-02
4132	642161.0	4166823.7	Worker	Scenario 4	3.79E-01	1.06E-02	1.52E-02
4133	642211.0	4166823.7	Worker	Scenario 4	3.55E-01	9.73E-03	1.38E-02
4134	642261.0	4166823.7	Worker	Scenario 4	3.31E-01	8.82E-03	1.25E-02
4135	642311.0	4166823.7	Worker	Scenario 4	3.10E-01	7.95E-03	1.12E-02
4136	644111.0	4166823.7	Worker	Scenario 4	2.31E-01	6.39E-03	3.59E-03
4137	644161.0	4166823.7	Worker	Scenario 4	2.26E-01	6.24E-03	3.38E-03
4138	644211.0	4166823.7	Worker	Scenario 4	2.21E-01	6.06E-03	3.18E-03
4139	644261.0	4166823.7	Worker	Scenario 4	2.15E-01	5.80E-03	3.01E-03
4140	644311.0	4166823.7	Worker	Scenario 4	2.07E-01	5.46E-03	2.88E-03
4141	644411.0	4166823.7	Worker	Scenario 4	1.88E-01	4.71E-03	2.67E-03
4142	644461.0	4166823.7	Worker	Scenario 4	1.81E-01	4.39E-03	2.58E-03
4143	644511.0	4166823.7	Worker	Scenario 4	1.73E-01	4.10E-03	2.50E-03
4144	644711.0	4166973.7	Worker	Scenario 4	1.82E-01	3.82E-03	2.21E-03
4145	644761.0	4166973.7	Worker	Scenario 4	1.71E-01	3.45E-03	2.16E-03
4146	641161.0	4167023.7	Worker	Scenario 4	1.68E-01	4.66E-03	3.59E-02
4147	641211.0	4167023.7	Worker	Scenario 4	1.96E-01	5.48E-03	4.50E-02
4148	641261.0	4167023.7	Worker	Scenario 4	2.37E-01	6.77E-03	5.92E-02
4149	644711.0	4167023.7	Worker	Scenario 4	1.93E-01	4.02E-03	2.19E-03
4150	644761.0	4167023.7	Worker	Scenario 4	1.80E-01	3.55E-03	2.15E-03
4151	644811.0	4167023.7	Worker	Scenario 4	1.69E-01	3.20E-03	2.12E-03
4152	641161.0	4167073.7	Worker	Scenario 4	1.84E-01	5.08E-03	4.72E-02
4153	641211.0	4167073.7	Worker	Scenario 4	2.16E-01	6.02E-03	4.51E-02
4154	641261.0	4167073.7	Worker	Scenario 4	2.65E-01	7.54E-03	5.70E-02
4155	644711.0	4167073.7	Worker	Scenario 4	2.02E-01	4.15E-03	2.21E-03
4156	644761.0	4167073.7	Worker	Scenario 4	1.86E-01	3.59E-03	2.15E-03
4157	644811.0	4167073.7	Worker	Scenario 4	1.74E-01	3.22E-03	2.10E-03
4158	641161.0	4167123.7	Worker	Scenario 4	2.02E-01	5.54E-03	4.89E-02
4159	641211.0	4167123.7	Worker	Scenario 4	2.38E-01	6.62E-03	5.60E-02
4160	641261.0	4167123.7	Worker	Scenario 4	2.96E-01	8.39E-03	5.89E-02
4161	644711.0	4167123.7	Worker	Scenario 4	2.10E-01	4.18E-03	2.16E-03
4162	644761.0	4167123.7	Worker	Scenario 4	1.91E-01	3.55E-03	2.12E-03
4163	644811.0	4167123.7	Worker	Scenario 4	1.77E-01	3.17E-03	2.09E-03
4164	641161.0	4167173.7	Worker	Scenario 4	2.21E-01	6.12E-03	5.07E-02
4165	641211.0	4167173.7	Worker	Scenario 4	2.63E-01	7.38E-03	5.38E-02
4166	641261.0	4167173.7	Worker	Scenario 4	3.29E-01	9.42E-03	5.91E-02
4167	644711.0	4167173.7	Worker	Scenario 4	2.12E-01	3.97E-03	2.22E-03
4168	644761.0	4167173.7	Worker	Scenario 4	1.92E-01	3.41E-03	2.17E-03
4169	644811.0	4167173.7	Worker	Scenario 4	1.79E-01	3.08E-03	2.12E-03
4170	641161.0	4167223.7	Worker	Scenario 4	2.41E-01	6.64E-03	6.67E-02
4171	641211.0	4167223.7	Worker	Scenario 4	2.88E-01	8.07E-03	6.81E-02
4172	641261.0	4167223.7	Worker	Scenario 4	3.59E-01	1.04E-02	8.65E-02
4173	644711.0	4167223.7	Worker	Scenario 4	2.02E-01	3.56E-03	2.12E-03
4174	644761.0	4167223.7	Worker	Scenario 4	1.88E-01	3.20E-03	2.08E-03
4175	644811.0	4167223.7	Worker	Scenario 4	1.77E-01	2.96E-03	2.04E-03
4176	641161.0	4167273.7	Worker	Scenario 4	2.62E-01	7.14E-03	5.97E-02
4177	641211.0	4167273.7	Worker	Scenario 4	3.12E-01	8.69E-03	6.87E-02

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4178	641261.0	4167273.7	Worker	Scenario 4	3.87E-01	1.12E-02	9.07E-02
4179	641161.0	4167323.7	Worker	Scenario 4	2.82E-01	7.63E-03	6.06E-02
4180	641211.0	4167323.7	Worker	Scenario 4	3.34E-01	9.23E-03	7.66E-02
4181	641261.0	4167323.7	Worker	Scenario 4	4.11E-01	1.19E-02	1.05E-01
4182	641161.0	4167373.7	Worker	Scenario 4	3.06E-01	8.15E-03	5.47E-02
4183	641211.0	4167373.7	Worker	Scenario 4	3.58E-01	9.76E-03	7.04E-02
4184	641261.0	4167373.7	Worker	Scenario 4	4.33E-01	1.23E-02	9.01E-02
4185	644511.0	4167373.7	Worker	Scenario 4	2.21E-01	3.66E-03	2.36E-03
4186	644561.0	4167373.7	Worker	Scenario 4	2.11E-01	3.47E-03	2.30E-03
4187	644611.0	4167373.7	Worker	Scenario 4	2.02E-01	3.28E-03	2.25E-03
4188	644661.0	4167373.7	Worker	Scenario 4	1.93E-01	3.11E-03	2.20E-03
4189	644711.0	4167373.7	Worker	Scenario 4	1.85E-01	2.95E-03	2.16E-03
4190	644761.0	4167373.7	Worker	Scenario 4	1.78E-01	2.81E-03	2.11E-03
4191	644811.0	4167373.7	Worker	Scenario 4	1.71E-01	2.68E-03	2.07E-03
4192	640961.0	4167423.7	Worker	Scenario 4	2.14E-01	5.58E-03	2.60E-02
4193	641011.0	4167423.7	Worker	Scenario 4	2.35E-01	6.12E-03	2.95E-02
4194	641061.0	4167423.7	Worker	Scenario 4	2.61E-01	6.79E-03	3.40E-02
4195	641111.0	4167423.7	Worker	Scenario 4	2.94E-01	7.66E-03	3.82E-02
4196	641161.0	4167423.7	Worker	Scenario 4	3.35E-01	8.80E-03	4.74E-02
4197	641211.0	4167423.7	Worker	Scenario 4	3.86E-01	1.04E-02	6.62E-02
4198	641261.0	4167423.7	Worker	Scenario 4	4.56E-01	1.29E-02	8.56E-02
4199	644361.0	4167423.7	Worker	Scenario 4	2.45E-01	3.91E-03	2.35E-03
4200	644411.0	4167423.7	Worker	Scenario 4	2.35E-01	3.76E-03	2.30E-03
4201	644461.0	4167423.7	Worker	Scenario 4	2.25E-01	3.60E-03	2.25E-03
4202	644511.0	4167423.7	Worker	Scenario 4	2.16E-01	3.44E-03	2.20E-03
4203	644561.0	4167423.7	Worker	Scenario 4	2.07E-01	3.28E-03	2.15E-03
4204	644611.0	4167423.7	Worker	Scenario 4	1.99E-01	3.13E-03	2.10E-03
4205	644661.0	4167423.7	Worker	Scenario 4	1.91E-01	2.99E-03	2.06E-03
4206	644711.0	4167423.7	Worker	Scenario 4	1.84E-01	2.87E-03	2.01E-03
4207	644761.0	4167423.7	Worker	Scenario 4	1.77E-01	2.74E-03	1.97E-03
4208	640761.0	4167473.7	Worker	Scenario 4	1.72E-01	4.60E-03	1.61E-02
4209	640811.0	4167473.7	Worker	Scenario 4	1.86E-01	4.93E-03	1.76E-02
4210	640861.0	4167473.7	Worker	Scenario 4	2.02E-01	5.30E-03	1.89E-02
4211	640911.0	4167473.7	Worker	Scenario 4	2.20E-01	5.74E-03	2.00E-02
4212	640961.0	4167473.7	Worker	Scenario 4	2.40E-01	6.24E-03	2.12E-02
4213	641011.0	4167473.7	Worker	Scenario 4	2.64E-01	6.84E-03	2.81E-02
4214	641061.0	4167473.7	Worker	Scenario 4	2.93E-01	7.59E-03	3.50E-02
4215	641111.0	4167473.7	Worker	Scenario 4	3.30E-01	8.52E-03	4.06E-02
4216	643361.0	4167473.7	Worker	Scenario 4	1.41E+00	1.61E-02	4.67E-03
4217	643411.0	4167473.7	Worker	Scenario 4	1.14E+00	1.34E-02	4.48E-03
4218	643461.0	4167473.7	Worker	Scenario 4	9.53E-01	1.15E-02	4.30E-03
4219	643511.0	4167473.7	Worker	Scenario 4	8.16E-01	1.01E-02	4.13E-03
4220	643561.0	4167473.7	Worker	Scenario 4	7.13E-01	9.01E-03	3.96E-03
4221	643611.0	4167473.7	Worker	Scenario 4	6.33E-01	8.17E-03	3.80E-03
4222	643661.0	4167473.7	Worker	Scenario 4	5.69E-01	7.49E-03	3.65E-03
4223	643711.0	4167473.7	Worker	Scenario 4	5.17E-01	6.94E-03	3.51E-03
4224	643761.0	4167473.7	Worker	Scenario 4	4.74E-01	6.47E-03	3.37E-03
4225	643811.0	4167473.7	Worker	Scenario 4	4.39E-01	6.09E-03	3.24E-03
4226	643861.0	4167473.7	Worker	Scenario 4	4.08E-01	5.75E-03	3.14E-03
4227	643911.0	4167473.7	Worker	Scenario 4	3.82E-01	5.46E-03	3.04E-03
4228	643961.0	4167473.7	Worker	Scenario 4	3.59E-01	5.20E-03	2.95E-03
4229	644211.0	4167473.7	Worker	Scenario 4	2.75E-01	4.19E-03	2.56E-03
4230	644261.0	4167473.7	Worker	Scenario 4	2.62E-01	4.03E-03	2.49E-03
4231	644311.0	4167473.7	Worker	Scenario 4	2.51E-01	3.87E-03	2.43E-03
4232	644361.0	4167473.7	Worker	Scenario 4	2.41E-01	3.73E-03	2.37E-03
4233	644411.0	4167473.7	Worker	Scenario 4	2.31E-01	3.58E-03	2.31E-03
4234	644461.0	4167473.7	Worker	Scenario 4	2.21E-01	3.43E-03	2.26E-03
4235	644511.0	4167473.7	Worker	Scenario 4	2.13E-01	3.29E-03	2.20E-03
4236	644561.0	4167473.7	Worker	Scenario 4	2.04E-01	3.15E-03	2.15E-03
4237	644611.0	4167473.7	Worker	Scenario 4	1.96E-01	3.02E-03	2.09E-03
4238	644661.0	4167473.7	Worker	Scenario 4	1.88E-01	2.90E-03	2.04E-03
4239	640561.0	4167523.7	Worker	Scenario 4	1.47E-01	4.03E-03	1.12E-02
4240	640611.0	4167523.7	Worker	Scenario 4	1.55E-01	4.26E-03	1.18E-02
4241	640661.0	4167523.7	Worker	Scenario 4	1.67E-01	4.54E-03	1.24E-02
4242	640711.0	4167523.7	Worker	Scenario 4	1.79E-01	4.85E-03	1.27E-02
4243	640761.0	4167523.7	Worker	Scenario 4	1.94E-01	5.20E-03	1.28E-02
4244	640811.0	4167523.7	Worker	Scenario 4	2.11E-01	5.60E-03	1.55E-02
4245	640861.0	4167523.7	Worker	Scenario 4	2.30E-01	6.05E-03	1.92E-02
4246	640911.0	4167523.7	Worker	Scenario 4	2.52E-01	6.58E-03	2.26E-02
4247	640961.0	4167523.7	Worker	Scenario 4	2.77E-01	7.19E-03	2.48E-02

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
4248	643361.0	4167523.7	Worker	Scenario 4	1.34E+00	1.53E-02	4.69E-03
4249	643411.0	4167523.7	Worker	Scenario 4	1.09E+00	1.28E-02	4.56E-03
4250	643461.0	4167523.7	Worker	Scenario 4	9.18E-01	1.10E-02	4.44E-03
4251	643511.0	4167523.7	Worker	Scenario 4	7.89E-01	9.69E-03	4.31E-03
4252	643561.0	4167523.7	Worker	Scenario 4	6.91E-01	8.68E-03	4.18E-03
4253	643611.0	4167523.7	Worker	Scenario 4	6.15E-01	7.88E-03	4.06E-03
4254	643661.0	4167523.7	Worker	Scenario 4	5.54E-01	7.23E-03	3.93E-03
4255	643711.0	4167523.7	Worker	Scenario 4	5.04E-01	6.70E-03	3.81E-03
4256	643761.0	4167523.7	Worker	Scenario 4	4.63E-01	6.25E-03	3.70E-03
4257	643811.0	4167523.7	Worker	Scenario 4	4.29E-01	5.88E-03	3.59E-03
4258	643861.0	4167523.7	Worker	Scenario 4	4.00E-01	5.55E-03	3.47E-03
4259	643911.0	4167523.7	Worker	Scenario 4	3.74E-01	5.26E-03	3.37E-03
4260	643961.0	4167523.7	Worker	Scenario 4	3.51E-01	5.01E-03	3.26E-03
4261	644011.0	4167523.7	Worker	Scenario 4	3.32E-01	4.78E-03	3.16E-03
4262	644061.0	4167523.7	Worker	Scenario 4	3.13E-01	4.57E-03	3.06E-03
4263	644111.0	4167523.7	Worker	Scenario 4	2.97E-01	4.37E-03	2.96E-03
4264	644161.0	4167523.7	Worker	Scenario 4	2.82E-01	4.19E-03	2.86E-03
4265	644211.0	4167523.7	Worker	Scenario 4	2.69E-01	4.02E-03	2.77E-03
4266	644261.0	4167523.7	Worker	Scenario 4	2.57E-01	3.87E-03	2.68E-03
4267	644311.0	4167523.7	Worker	Scenario 4	2.46E-01	3.72E-03	2.60E-03
4268	644361.0	4167523.7	Worker	Scenario 4	2.36E-01	3.57E-03	2.51E-03
4269	644411.0	4167523.7	Worker	Scenario 4	2.26E-01	3.43E-03	2.43E-03
4270	644461.0	4167523.7	Worker	Scenario 4	2.17E-01	3.30E-03	2.36E-03
4271	644511.0	4167523.7	Worker	Scenario 4	2.09E-01	3.17E-03	2.28E-03
4272	640361.0	4167573.7	Worker	Scenario 4	1.22E-01	3.44E-03	8.32E-03
4273	640411.0	4167573.7	Worker	Scenario 4	1.31E-01	3.67E-03	8.63E-03
4274	640461.0	4167573.7	Worker	Scenario 4	1.41E-01	3.95E-03	8.84E-03
4275	640511.0	4167573.7	Worker	Scenario 4	1.53E-01	4.28E-03	8.93E-03
4276	640561.0	4167573.7	Worker	Scenario 4	1.64E-01	4.57E-03	8.92E-03
4277	640611.0	4167573.7	Worker	Scenario 4	1.76E-01	4.89E-03	9.83E-03
4278	640661.0	4167573.7	Worker	Scenario 4	1.89E-01	5.23E-03	1.20E-02
4279	640711.0	4167573.7	Worker	Scenario 4	2.05E-01	5.62E-03	1.42E-02
4280	640761.0	4167573.7	Worker	Scenario 4	2.24E-01	6.07E-03	1.62E-02
4281	640811.0	4167573.7	Worker	Scenario 4	2.45E-01	6.58E-03	1.76E-02
4282	643311.0	4167573.7	Worker	Scenario 4	1.18E+00	1.39E-02	4.86E-03
4283	643361.0	4167573.7	Worker	Scenario 4	1.02E+00	1.22E-02	4.63E-03
4284	643411.0	4167573.7	Worker	Scenario 4	8.88E-01	1.08E-02	4.42E-03
4285	643461.0	4167573.7	Worker	Scenario 4	7.81E-01	9.64E-03	4.26E-03
4286	643511.0	4167573.7	Worker	Scenario 4	6.93E-01	8.69E-03	4.16E-03
4287	643561.0	4167573.7	Worker	Scenario 4	6.21E-01	7.92E-03	4.06E-03
4288	643611.0	4167573.7	Worker	Scenario 4	5.62E-01	7.29E-03	3.95E-03
4289	643661.0	4167573.7	Worker	Scenario 4	5.14E-01	6.76E-03	3.84E-03
4290	643711.0	4167573.7	Worker	Scenario 4	4.72E-01	6.30E-03	3.74E-03
4291	643761.0	4167573.7	Worker	Scenario 4	4.37E-01	5.91E-03	3.63E-03
4292	643811.0	4167573.7	Worker	Scenario 4	4.07E-01	5.58E-03	3.53E-03
4293	643861.0	4167573.7	Worker	Scenario 4	3.81E-01	5.29E-03	3.43E-03
4294	643911.0	4167573.7	Worker	Scenario 4	3.58E-01	5.02E-03	3.35E-03
4295	643961.0	4167573.7	Worker	Scenario 4	3.38E-01	4.79E-03	3.28E-03
4296	644011.0	4167573.7	Worker	Scenario 4	3.20E-01	4.58E-03	3.21E-03
4297	644061.0	4167573.7	Worker	Scenario 4	3.03E-01	4.38E-03	3.13E-03
4298	644111.0	4167573.7	Worker	Scenario 4	2.88E-01	4.19E-03	3.06E-03
4299	644161.0	4167573.7	Worker	Scenario 4	2.74E-01	4.02E-03	2.98E-03
4300	644211.0	4167573.7	Worker	Scenario 4	2.62E-01	3.86E-03	2.91E-03
4301	644261.0	4167573.7	Worker	Scenario 4	2.50E-01	3.71E-03	2.84E-03
4302	644311.0	4167573.7	Worker	Scenario 4	2.40E-01	3.57E-03	2.77E-03
4303	644361.0	4167573.7	Worker	Scenario 4	2.30E-01	3.44E-03	2.70E-03
4304	640261.0	4167623.7	Worker	Scenario 4	1.15E-01	3.30E-03	6.71E-03
4305	640311.0	4167623.7	Worker	Scenario 4	1.25E-01	3.58E-03	6.73E-03
4306	640361.0	4167623.7	Worker	Scenario 4	1.37E-01	3.90E-03	6.66E-03
4307	640411.0	4167623.7	Worker	Scenario 4	1.48E-01	4.21E-03	6.79E-03
4308	640461.0	4167623.7	Worker	Scenario 4	1.60E-01	4.57E-03	8.15E-03
4309	640511.0	4167623.7	Worker	Scenario 4	1.74E-01	4.97E-03	9.61E-03
4310	640561.0	4167623.7	Worker	Scenario 4	1.89E-01	5.38E-03	1.11E-02
4311	640611.0	4167623.7	Worker	Scenario 4	2.04E-01	5.80E-03	1.24E-02
4312	640661.0	4167623.7	Worker	Scenario 4	2.22E-01	6.27E-03	1.33E-02
4313	643261.0	4167623.7	Worker	Scenario 4	6.55E-01	9.32E-03	5.08E-03
4314	643311.0	4167623.7	Worker	Scenario 4	6.86E-01	9.26E-03	4.89E-03
4315	643361.0	4167623.7	Worker	Scenario 4	6.76E-01	8.91E-03	4.70E-03
4316	643411.0	4167623.7	Worker	Scenario 4	6.45E-01	8.44E-03	4.53E-03
4317	644011.0	4167623.7	Worker	Scenario 4	3.04E-01	4.35E-03	3.13E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4318	644061.0	4167623.7	Worker	Scenario 4	2.89E-01	4.17E-03	3.06E-03
4319	644111.0	4167623.7	Worker	Scenario 4	2.75E-01	4.00E-03	2.99E-03
4320	644161.0	4167623.7	Worker	Scenario 4	2.63E-01	3.84E-03	2.92E-03
4321	644211.0	4167623.7	Worker	Scenario 4	2.52E-01	3.69E-03	2.85E-03
4322	640211.0	4167673.7	Worker	Scenario 4	1.18E-01	3.42E-03	5.10E-03
4323	640261.0	4167673.7	Worker	Scenario 4	1.29E-01	3.74E-03	5.90E-03
4324	640311.0	4167673.7	Worker	Scenario 4	1.39E-01	4.07E-03	6.92E-03
4325	640361.0	4167673.7	Worker	Scenario 4	1.55E-01	4.52E-03	7.95E-03
4326	640411.0	4167673.7	Worker	Scenario 4	1.70E-01	4.98E-03	8.97E-03
4327	640461.0	4167673.7	Worker	Scenario 4	1.87E-01	5.49E-03	9.88E-03
4328	640511.0	4167673.7	Worker	Scenario 4	2.06E-01	6.07E-03	1.05E-02
4329	643211.0	4167673.7	Worker	Scenario 4	4.06E-01	7.17E-03	5.25E-03
4330	643261.0	4167673.7	Worker	Scenario 4	4.14E-01	6.87E-03	5.03E-03
4331	643311.0	4167673.7	Worker	Scenario 4	4.37E-01	6.81E-03	4.84E-03
4332	643361.0	4167673.7	Worker	Scenario 4	4.55E-01	6.75E-03	4.69E-03
4333	640111.0	4167723.7	Worker	Scenario 4	1.11E-01	3.25E-03	5.18E-03
4334	640161.0	4167723.7	Worker	Scenario 4	1.21E-01	3.57E-03	5.95E-03
4335	640211.0	4167723.7	Worker	Scenario 4	1.34E-01	3.94E-03	6.74E-03
4336	640261.0	4167723.7	Worker	Scenario 4	1.48E-01	4.38E-03	7.48E-03
4337	640311.0	4167723.7	Worker	Scenario 4	1.64E-01	4.89E-03	8.14E-03
4338	640361.0	4167723.7	Worker	Scenario 4	1.81E-01	5.46E-03	8.65E-03
4339	643161.0	4167723.7	Worker	Scenario 4	3.88E-01	7.04E-03	5.24E-03
4340	643211.0	4167723.7	Worker	Scenario 4	3.52E-01	6.35E-03	5.14E-03
4341	643261.0	4167723.7	Worker	Scenario 4	3.36E-01	5.92E-03	5.00E-03
4342	643311.0	4167723.7	Worker	Scenario 4	3.36E-01	5.70E-03	4.82E-03
4343	640011.0	4167773.7	Worker	Scenario 4	1.02E-01	3.03E-03	5.20E-03
4344	640061.0	4167773.7	Worker	Scenario 4	1.13E-01	3.34E-03	5.80E-03
4345	640111.0	4167773.7	Worker	Scenario 4	1.25E-01	3.71E-03	6.38E-03
4346	640161.0	4167773.7	Worker	Scenario 4	1.38E-01	4.14E-03	6.88E-03
4347	640211.0	4167773.7	Worker	Scenario 4	1.55E-01	4.68E-03	7.26E-03
4348	640261.0	4167773.7	Worker	Scenario 4	1.76E-01	5.35E-03	7.47E-03
4349	643161.0	4167773.7	Worker	Scenario 4	3.52E-01	6.36E-03	5.30E-03
4350	643211.0	4167773.7	Worker	Scenario 4	3.22E-01	5.80E-03	5.14E-03
4351	643261.0	4167773.7	Worker	Scenario 4	3.03E-01	5.41E-03	4.94E-03
4352	639961.0	4167823.7	Worker	Scenario 4	1.04E-01	3.11E-03	5.52E-03
4353	640011.0	4167823.7	Worker	Scenario 4	1.14E-01	3.44E-03	5.92E-03
4354	640061.0	4167823.7	Worker	Scenario 4	1.28E-01	3.85E-03	6.23E-03
4355	640111.0	4167823.7	Worker	Scenario 4	1.44E-01	4.37E-03	6.41E-03
4356	640161.0	4167823.7	Worker	Scenario 4	1.63E-01	5.03E-03	6.57E-03
4357	643111.0	4167823.7	Worker	Scenario 4	3.59E-01	6.42E-03	5.45E-03
4358	643161.0	4167823.7	Worker	Scenario 4	3.26E-01	5.84E-03	5.27E-03
4359	643211.0	4167823.7	Worker	Scenario 4	3.01E-01	5.39E-03	5.06E-03
4360	643261.0	4167823.7	Worker	Scenario 4	2.83E-01	5.05E-03	4.89E-03
4361	639861.0	4167873.7	Worker	Scenario 4	9.61E-02	2.89E-03	5.16E-03
4362	639911.0	4167873.7	Worker	Scenario 4	1.05E-01	3.19E-03	5.41E-03
4363	639961.0	4167873.7	Worker	Scenario 4	1.18E-01	3.57E-03	5.57E-03
4364	640011.0	4167873.7	Worker	Scenario 4	1.31E-01	4.01E-03	5.64E-03
4365	640061.0	4167873.7	Worker	Scenario 4	1.49E-01	4.60E-03	5.97E-03
4366	643061.0	4167873.7	Worker	Scenario 4	3.58E-01	6.39E-03	5.61E-03
4367	643111.0	4167873.7	Worker	Scenario 4	3.32E-01	5.89E-03	5.31E-03
4368	643161.0	4167873.7	Worker	Scenario 4	3.06E-01	5.44E-03	5.12E-03
4369	643211.0	4167873.7	Worker	Scenario 4	2.84E-01	5.07E-03	5.01E-03
4370	639811.0	4167923.7	Worker	Scenario 4	9.72E-02	2.95E-03	4.90E-03
4371	639861.0	4167923.7	Worker	Scenario 4	1.07E-01	3.26E-03	4.95E-03
4372	639911.0	4167923.7	Worker	Scenario 4	1.20E-01	3.68E-03	5.17E-03
4373	639961.0	4167923.7	Worker	Scenario 4	1.36E-01	4.18E-03	5.46E-03
4374	640011.0	4167923.7	Worker	Scenario 4	1.55E-01	4.85E-03	5.77E-03
4375	643011.0	4167923.7	Worker	Scenario 4	3.51E-01	6.31E-03	5.75E-03
4376	643061.0	4167923.7	Worker	Scenario 4	3.31E-01	5.88E-03	5.44E-03
4377	643111.0	4167923.7	Worker	Scenario 4	3.10E-01	5.48E-03	5.23E-03
4378	643161.0	4167923.7	Worker	Scenario 4	2.90E-01	5.11E-03	5.13E-03
4379	639711.0	4167973.7	Worker	Scenario 4	9.05E-02	2.75E-03	4.41E-03
4380	639761.0	4167973.7	Worker	Scenario 4	1.01E-01	3.06E-03	4.53E-03
4381	639811.0	4167973.7	Worker	Scenario 4	1.08E-01	3.32E-03	4.75E-03
4382	639861.0	4167973.7	Worker	Scenario 4	1.22E-01	3.77E-03	5.03E-03
4383	639911.0	4167973.7	Worker	Scenario 4	1.39E-01	4.34E-03	5.24E-03
4384	642911.0	4167973.7	Worker	Scenario 4	3.63E-01	6.68E-03	6.11E-03
4385	642961.0	4167973.7	Worker	Scenario 4	3.44E-01	6.22E-03	5.87E-03
4386	643011.0	4167973.7	Worker	Scenario 4	3.27E-01	5.82E-03	5.61E-03
4387	643061.0	4167973.7	Worker	Scenario 4	3.10E-01	5.47E-03	5.44E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4388	643111.0	4167973.7	Worker	Scenario 4	2.93E-01	5.14E-03	5.23E-03
4389	639661.0	4168023.7	Worker	Scenario 4	9.09E-02	2.79E-03	4.21E-03
4390	639711.0	4168023.7	Worker	Scenario 4	1.01E-01	3.10E-03	4.41E-03
4391	639761.0	4168023.7	Worker	Scenario 4	1.11E-01	3.43E-03	4.63E-03
4392	639811.0	4168023.7	Worker	Scenario 4	1.25E-01	3.90E-03	4.75E-03
4393	642861.0	4168023.7	Worker	Scenario 4	3.54E-01	6.58E-03	6.30E-03
4394	642911.0	4168023.7	Worker	Scenario 4	3.39E-01	6.14E-03	5.93E-03
4395	642961.0	4168023.7	Worker	Scenario 4	3.23E-01	5.76E-03	5.75E-03
4396	643011.0	4168023.7	Worker	Scenario 4	3.08E-01	5.43E-03	5.55E-03
4397	643061.0	4168023.7	Worker	Scenario 4	2.93E-01	5.13E-03	5.32E-03
4398	639561.0	4168073.7	Worker	Scenario 4	8.38E-02	2.61E-03	3.90E-03
4399	639611.0	4168073.7	Worker	Scenario 4	9.14E-02	2.85E-03	4.11E-03
4400	639661.0	4168073.7	Worker	Scenario 4	1.01E-01	3.14E-03	4.26E-03
4401	639711.0	4168073.7	Worker	Scenario 4	1.12E-01	3.48E-03	4.33E-03
4402	639761.0	4168073.7	Worker	Scenario 4	1.27E-01	3.97E-03	4.30E-03
4403	642761.0	4168073.7	Worker	Scenario 4	3.63E-01	6.98E-03	6.82E-03
4404	642811.0	4168073.7	Worker	Scenario 4	3.48E-01	6.48E-03	6.70E-03
4405	642861.0	4168073.7	Worker	Scenario 4	3.34E-01	6.06E-03	6.67E-03
4406	642911.0	4168073.7	Worker	Scenario 4	3.19E-01	5.70E-03	6.39E-03
4407	642961.0	4168073.7	Worker	Scenario 4	3.05E-01	5.38E-03	5.93E-03
4408	639561.0	4168123.7	Worker	Scenario 4	9.15E-02	2.89E-03	3.92E-03
4409	639611.0	4168123.7	Worker	Scenario 4	1.01E-01	3.18E-03	3.95E-03
4410	639661.0	4168123.7	Worker	Scenario 4	1.13E-01	3.56E-03	3.90E-03
4411	642661.0	4168123.7	Worker	Scenario 4	3.74E-01	7.49E-03	7.53E-03
4412	642711.0	4168123.7	Worker	Scenario 4	3.58E-01	6.88E-03	7.25E-03
4413	642761.0	4168123.7	Worker	Scenario 4	3.43E-01	6.39E-03	6.98E-03
4414	642811.0	4168123.7	Worker	Scenario 4	3.30E-01	5.99E-03	6.68E-03
4415	642861.0	4168123.7	Worker	Scenario 4	3.17E-01	5.65E-03	6.19E-03
4416	642911.0	4168123.7	Worker	Scenario 4	3.04E-01	5.34E-03	6.36E-03
4417	639511.0	4168173.7	Worker	Scenario 4	9.20E-02	2.96E-03	3.60E-03
4418	639561.0	4168173.7	Worker	Scenario 4	1.01E-01	3.25E-03	3.57E-03
4419	642611.0	4168173.7	Worker	Scenario 4	3.73E-01	7.35E-03	7.78E-03
4420	642661.0	4168173.7	Worker	Scenario 4	3.56E-01	6.78E-03	7.41E-03
4421	642711.0	4168173.7	Worker	Scenario 4	3.41E-01	6.32E-03	7.11E-03
4422	642761.0	4168173.7	Worker	Scenario 4	3.27E-01	5.93E-03	6.84E-03
4423	642811.0	4168173.7	Worker	Scenario 4	3.15E-01	5.60E-03	6.59E-03
4424	639311.0	4168223.7	Worker	Scenario 4	7.31E-02	2.37E-03	3.30E-03
4425	639361.0	4168223.7	Worker	Scenario 4	7.88E-02	2.57E-03	3.33E-03
4426	639411.0	4168223.7	Worker	Scenario 4	8.56E-02	2.79E-03	3.30E-03
4427	639461.0	4168223.7	Worker	Scenario 4	9.31E-02	3.05E-03	3.29E-03
4428	639511.0	4168223.7	Worker	Scenario 4	1.02E-01	3.34E-03	3.39E-03
4429	642511.0	4168223.7	Worker	Scenario 4	3.96E-01	7.97E-03	7.95E-03
4430	642561.0	4168223.7	Worker	Scenario 4	3.74E-01	7.24E-03	7.54E-03
4431	642611.0	4168223.7	Worker	Scenario 4	3.56E-01	6.69E-03	7.44E-03
4432	642661.0	4168223.7	Worker	Scenario 4	3.41E-01	6.25E-03	7.19E-03
4433	642711.0	4168223.7	Worker	Scenario 4	3.27E-01	5.88E-03	6.98E-03
4434	642761.0	4168223.7	Worker	Scenario 4	3.14E-01	5.56E-03	6.61E-03
4435	639261.0	4168273.7	Worker	Scenario 4	7.45E-02	2.45E-03	3.07E-03
4436	639311.0	4168273.7	Worker	Scenario 4	8.03E-02	2.65E-03	3.04E-03
4437	639361.0	4168273.7	Worker	Scenario 4	8.69E-02	2.89E-03	3.03E-03
4438	639411.0	4168273.7	Worker	Scenario 4	9.49E-02	3.16E-03	3.19E-03
4439	642461.0	4168273.7	Worker	Scenario 4	4.01E-01	7.84E-03	8.28E-03
4440	642511.0	4168273.7	Worker	Scenario 4	3.77E-01	7.15E-03	7.83E-03
4441	642561.0	4168273.7	Worker	Scenario 4	3.58E-01	6.62E-03	7.35E-03
4442	642611.0	4168273.7	Worker	Scenario 4	3.42E-01	6.19E-03	7.13E-03
4443	642661.0	4168273.7	Worker	Scenario 4	3.27E-01	5.83E-03	6.94E-03
4444	639211.0	4168323.7	Worker	Scenario 4	7.63E-02	2.54E-03	2.82E-03
4445	639261.0	4168323.7	Worker	Scenario 4	8.22E-02	2.76E-03	2.82E-03
4446	639311.0	4168323.7	Worker	Scenario 4	8.94E-02	3.02E-03	3.01E-03
4447	639361.0	4168323.7	Worker	Scenario 4	9.75E-02	3.32E-03	3.23E-03
4448	642461.0	4168323.7	Worker	Scenario 4	3.82E-01	7.05E-03	7.76E-03
4449	642511.0	4168323.7	Worker	Scenario 4	3.61E-01	6.55E-03	7.69E-03
4450	642561.0	4168323.7	Worker	Scenario 4	3.44E-01	6.14E-03	7.35E-03
4451	642611.0	4168323.7	Worker	Scenario 4	3.28E-01	5.79E-03	6.79E-03
4452	639111.0	4168373.7	Worker	Scenario 4	7.26E-02	2.43E-03	2.62E-03
4453	639161.0	4168373.7	Worker	Scenario 4	7.85E-02	2.65E-03	2.63E-03
4454	639211.0	4168373.7	Worker	Scenario 4	8.48E-02	2.89E-03	2.84E-03
4455	639261.0	4168373.7	Worker	Scenario 4	9.23E-02	3.17E-03	3.03E-03
4456	642361.0	4168373.7	Worker	Scenario 4	4.12E-01	7.52E-03	7.72E-03
4457	642411.0	4168373.7	Worker	Scenario 4	3.86E-01	6.94E-03	7.73E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4458	642461.0	4168373.7	Worker	Scenario 4	3.64E-01	6.47E-03	7.45E-03
4459	642511.0	4168373.7	Worker	Scenario 4	3.46E-01	6.08E-03	7.23E-03
4460	642561.0	4168373.7	Worker	Scenario 4	3.29E-01	5.74E-03	7.17E-03
4461	639061.0	4168423.7	Worker	Scenario 4	7.43E-02	2.51E-03	2.48E-03
4462	639111.0	4168423.7	Worker	Scenario 4	8.05E-02	2.75E-03	2.68E-03
4463	639161.0	4168423.7	Worker	Scenario 4	8.78E-02	3.03E-03	2.86E-03
4464	642261.0	4168423.7	Worker	Scenario 4	4.47E-01	7.95E-03	8.18E-03
4465	642311.0	4168423.7	Worker	Scenario 4	4.15E-01	7.33E-03	7.95E-03
4466	642361.0	4168423.7	Worker	Scenario 4	3.89E-01	6.81E-03	7.95E-03
4467	642411.0	4168423.7	Worker	Scenario 4	3.66E-01	6.38E-03	7.14E-03
4468	642461.0	4168423.7	Worker	Scenario 4	3.47E-01	6.01E-03	7.19E-03
4469	642511.0	4168423.7	Worker	Scenario 4	3.29E-01	5.68E-03	6.97E-03
4470	639011.0	4168473.7	Worker	Scenario 4	7.64E-02	2.61E-03	2.54E-03
4471	639061.0	4168473.7	Worker	Scenario 4	8.31E-02	2.87E-03	2.70E-03
4472	639111.0	4168473.7	Worker	Scenario 4	9.09E-02	3.18E-03	2.81E-03
4473	642161.0	4168473.7	Worker	Scenario 4	4.84E-01	8.28E-03	8.27E-03
4474	642211.0	4168473.7	Worker	Scenario 4	4.46E-01	7.67E-03	7.83E-03
4475	642261.0	4168473.7	Worker	Scenario 4	4.15E-01	7.14E-03	7.83E-03
4476	642311.0	4168473.7	Worker	Scenario 4	3.89E-01	6.68E-03	7.57E-03
4477	642361.0	4168473.7	Worker	Scenario 4	3.66E-01	6.28E-03	7.47E-03
4478	642411.0	4168473.7	Worker	Scenario 4	3.46E-01	5.93E-03	7.36E-03
4479	642461.0	4168473.7	Worker	Scenario 4	3.28E-01	5.62E-03	6.73E-03
4480	638911.0	4168523.7	Worker	Scenario 4	7.19E-02	2.45E-03	2.41E-03
4481	638961.0	4168523.7	Worker	Scenario 4	7.88E-02	2.72E-03	2.55E-03
4482	639011.0	4168523.7	Worker	Scenario 4	8.67E-02	3.03E-03	2.65E-03
4483	642061.0	4168523.7	Worker	Scenario 4	5.18E-01	8.52E-03	8.30E-03
4484	642111.0	4168523.7	Worker	Scenario 4	4.75E-01	7.94E-03	8.13E-03
4485	642161.0	4168523.7	Worker	Scenario 4	4.40E-01	7.41E-03	7.92E-03
4486	642211.0	4168523.7	Worker	Scenario 4	4.09E-01	6.95E-03	7.71E-03
4487	642261.0	4168523.7	Worker	Scenario 4	3.84E-01	6.53E-03	7.48E-03
4488	642311.0	4168523.7	Worker	Scenario 4	3.62E-01	6.17E-03	7.29E-03
4489	642361.0	4168523.7	Worker	Scenario 4	3.42E-01	5.84E-03	7.11E-03
4490	638861.0	4168573.7	Worker	Scenario 4	7.34E-02	2.53E-03	2.42E-03
4491	638911.0	4168573.7	Worker	Scenario 4	8.11E-02	2.83E-03	2.51E-03
4492	638961.0	4168573.7	Worker	Scenario 4	9.06E-02	3.21E-03	2.56E-03
4493	641911.0	4168573.7	Worker	Scenario 4	5.71E-01	9.18E-03	8.84E-03
4494	641961.0	4168573.7	Worker	Scenario 4	5.26E-01	8.59E-03	7.79E-03
4495	642011.0	4168573.7	Worker	Scenario 4	4.87E-01	8.05E-03	8.04E-03
4496	642061.0	4168573.7	Worker	Scenario 4	4.53E-01	7.57E-03	7.91E-03
4497	642111.0	4168573.7	Worker	Scenario 4	4.23E-01	7.13E-03	7.71E-03
4498	642161.0	4168573.7	Worker	Scenario 4	3.96E-01	6.72E-03	7.39E-03
4499	642211.0	4168573.7	Worker	Scenario 4	3.73E-01	6.35E-03	7.39E-03
4500	642261.0	4168573.7	Worker	Scenario 4	3.53E-01	6.02E-03	7.12E-03
4501	638811.0	4168623.7	Worker	Scenario 4	7.64E-02	2.65E-03	2.38E-03
4502	638861.0	4168623.7	Worker	Scenario 4	8.38E-02	2.97E-03	2.42E-03
4503	641811.0	4168623.7	Worker	Scenario 4	5.60E-01	9.24E-03	1.15E-02
4504	641861.0	4168623.7	Worker	Scenario 4	5.18E-01	8.63E-03	1.16E-02
4505	641911.0	4168623.7	Worker	Scenario 4	4.82E-01	8.10E-03	9.39E-03
4506	641961.0	4168623.7	Worker	Scenario 4	4.50E-01	7.63E-03	7.20E-03
4507	642011.0	4168623.7	Worker	Scenario 4	4.22E-01	7.20E-03	7.74E-03
4508	642061.0	4168623.7	Worker	Scenario 4	3.98E-01	6.82E-03	7.58E-03
4509	642111.0	4168623.7	Worker	Scenario 4	3.76E-01	6.47E-03	7.40E-03
4510	638711.0	4168673.7	Worker	Scenario 4	7.27E-02	2.48E-03	2.25E-03
4511	638761.0	4168673.7	Worker	Scenario 4	7.98E-02	2.78E-03	2.29E-03
4512	638811.0	4168673.7	Worker	Scenario 4	8.85E-02	3.17E-03	2.34E-03
4513	641661.0	4168673.7	Worker	Scenario 4	5.68E-01	1.00E-02	7.85E-03
4514	641711.0	4168673.7	Worker	Scenario 4	5.36E-01	9.39E-03	8.09E-03
4515	641761.0	4168673.7	Worker	Scenario 4	5.04E-01	8.80E-03	8.36E-03
4516	641811.0	4168673.7	Worker	Scenario 4	4.73E-01	8.26E-03	1.07E-02
4517	641861.0	4168673.7	Worker	Scenario 4	4.44E-01	7.77E-03	1.14E-02
4518	641911.0	4168673.7	Worker	Scenario 4	4.17E-01	7.32E-03	9.92E-03
4519	641961.0	4168673.7	Worker	Scenario 4	3.94E-01	6.92E-03	7.50E-03
4520	642011.0	4168673.7	Worker	Scenario 4	3.73E-01	6.56E-03	7.15E-03
4521	638661.0	4168723.7	Worker	Scenario 4	7.48E-02	2.56E-03	2.18E-03
4522	638711.0	4168723.7	Worker	Scenario 4	8.32E-02	2.92E-03	2.22E-03
4523	641511.0	4168723.7	Worker	Scenario 4	5.69E-01	1.19E-02	7.87E-03
4524	641561.0	4168723.7	Worker	Scenario 4	5.36E-01	1.07E-02	7.84E-03
4525	641611.0	4168723.7	Worker	Scenario 4	5.08E-01	9.85E-03	7.81E-03
4526	641661.0	4168723.7	Worker	Scenario 4	4.82E-01	9.15E-03	7.60E-03
4527	641711.0	4168723.7	Worker	Scenario 4	4.57E-01	8.54E-03	7.71E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4528	641761.0	4168723.7	Worker	Scenario 4	4.33E-01	8.02E-03	7.85E-03
4529	641811.0	4168723.7	Worker	Scenario 4	4.10E-01	7.54E-03	9.82E-03
4530	641861.0	4168723.7	Worker	Scenario 4	3.89E-01	7.12E-03	1.11E-02
4531	641911.0	4168723.7	Worker	Scenario 4	3.69E-01	6.73E-03	1.03E-02
4532	638561.0	4168773.7	Worker	Scenario 4	6.92E-02	2.31E-03	2.07E-03
4533	638611.0	4168773.7	Worker	Scenario 4	7.66E-02	2.62E-03	2.11E-03
4534	638661.0	4168773.7	Worker	Scenario 4	8.62E-02	3.05E-03	2.16E-03
4535	641461.0	4168773.7	Worker	Scenario 4	5.47E-01	1.31E-02	7.51E-03
4536	641511.0	4168773.7	Worker	Scenario 4	5.03E-01	1.13E-02	7.48E-03
4537	641561.0	4168773.7	Worker	Scenario 4	4.71E-01	1.01E-02	7.44E-03
4538	641611.0	4168773.7	Worker	Scenario 4	4.46E-01	9.22E-03	7.40E-03
4539	641661.0	4168773.7	Worker	Scenario 4	4.24E-01	8.52E-03	7.33E-03
4540	641711.0	4168773.7	Worker	Scenario 4	4.03E-01	7.94E-03	7.29E-03
4541	641761.0	4168773.7	Worker	Scenario 4	3.83E-01	7.44E-03	7.34E-03
4542	638511.0	4168823.7	Worker	Scenario 4	6.99E-02	2.32E-03	2.01E-03
4543	638561.0	4168823.7	Worker	Scenario 4	7.81E-02	2.68E-03	2.06E-03
4544	641461.0	4168823.7	Worker	Scenario 4	4.98E-01	1.28E-02	7.16E-03
4545	641511.0	4168823.7	Worker	Scenario 4	4.54E-01	1.08E-02	7.12E-03
4546	641561.0	4168823.7	Worker	Scenario 4	4.24E-01	9.61E-03	7.08E-03
4547	641611.0	4168823.7	Worker	Scenario 4	4.00E-01	8.72E-03	7.06E-03
4548	638461.0	4168873.7	Worker	Scenario 4	6.73E-02	2.25E-03	1.96E-03
4549	638511.0	4168873.7	Worker	Scenario 4	7.77E-02	2.67E-03	1.98E-03
4550	640211.0	4168873.7	Worker	Scenario 4	2.47E-01	7.10E-03	4.19E-03
4551	641461.0	4168873.7	Worker	Scenario 4	4.58E-01	1.23E-02	6.83E-03
4552	641511.0	4168873.7	Worker	Scenario 4	4.15E-01	1.04E-02	6.78E-03
4553	641561.0	4168873.7	Worker	Scenario 4	3.86E-01	9.17E-03	6.78E-03
4554	638361.0	4168923.7	Worker	Scenario 4	5.72E-02	1.87E-03	1.88E-03
4555	638411.0	4168923.7	Worker	Scenario 4	6.50E-02	2.17E-03	1.89E-03
4556	638461.0	4168923.7	Worker	Scenario 4	7.55E-02	2.60E-03	1.88E-03
4557	640111.0	4168923.7	Worker	Scenario 4	2.47E-01	7.41E-03	3.88E-03
4558	640161.0	4168923.7	Worker	Scenario 4	2.39E-01	7.00E-03	3.97E-03
4559	640211.0	4168923.7	Worker	Scenario 4	2.34E-01	6.74E-03	4.04E-03
4560	640261.0	4168923.7	Worker	Scenario 4	2.32E-01	6.60E-03	4.16E-03
4561	640311.0	4168923.7	Worker	Scenario 4	2.32E-01	6.55E-03	4.26E-03
4562	640361.0	4168923.7	Worker	Scenario 4	2.34E-01	6.59E-03	4.34E-03
4563	641461.0	4168923.7	Worker	Scenario 4	4.25E-01	1.17E-02	6.53E-03
4564	641511.0	4168923.7	Worker	Scenario 4	3.84E-01	9.96E-03	6.48E-03
4565	641561.0	4168923.7	Worker	Scenario 4	3.57E-01	8.77E-03	6.50E-03
4566	638311.0	4168973.7	Worker	Scenario 4	5.64E-02	1.82E-03	1.81E-03
4567	638361.0	4168973.7	Worker	Scenario 4	6.38E-02	2.12E-03	1.81E-03
4568	638411.0	4168973.7	Worker	Scenario 4	7.39E-02	2.53E-03	1.77E-03
4569	640061.0	4168973.7	Worker	Scenario 4	2.43E-01	7.48E-03	3.68E-03
4570	640111.0	4168973.7	Worker	Scenario 4	2.34E-01	7.03E-03	3.81E-03
4571	640161.0	4168973.7	Worker	Scenario 4	2.28E-01	6.73E-03	3.88E-03
4572	640211.0	4168973.7	Worker	Scenario 4	2.25E-01	6.55E-03	3.93E-03
4573	640261.0	4168973.7	Worker	Scenario 4	2.24E-01	6.46E-03	4.03E-03
4574	640311.0	4168973.7	Worker	Scenario 4	2.24E-01	6.45E-03	4.12E-03
4575	640361.0	4168973.7	Worker	Scenario 4	2.27E-01	6.55E-03	4.09E-03
4576	640411.0	4168973.7	Worker	Scenario 4	2.32E-01	6.81E-03	4.28E-03
4577	641461.0	4168973.7	Worker	Scenario 4	3.99E-01	1.14E-02	6.26E-03
4578	641511.0	4168973.7	Worker	Scenario 4	3.60E-01	9.61E-03	6.21E-03
4579	641561.0	4168973.7	Worker	Scenario 4	3.32E-01	8.41E-03	6.22E-03
4580	638261.0	4169023.7	Worker	Scenario 4	5.57E-02	1.79E-03	1.73E-03
4581	638311.0	4169023.7	Worker	Scenario 4	6.27E-02	2.06E-03	1.70E-03
4582	638361.0	4169023.7	Worker	Scenario 4	7.24E-02	2.46E-03	1.65E-03
4583	640011.0	4169023.7	Worker	Scenario 4	2.41E-01	7.68E-03	3.49E-03
4584	640061.0	4169023.7	Worker	Scenario 4	2.31E-01	7.18E-03	3.65E-03
4585	640111.0	4169023.7	Worker	Scenario 4	2.25E-01	6.85E-03	3.72E-03
4586	640161.0	4169023.7	Worker	Scenario 4	2.21E-01	6.63E-03	3.76E-03
4587	640311.0	4169023.7	Worker	Scenario 4	2.19E-01	6.49E-03	3.98E-03
4588	640361.0	4169023.7	Worker	Scenario 4	2.22E-01	6.64E-03	4.07E-03
4589	640411.0	4169023.7	Worker	Scenario 4	2.28E-01	6.96E-03	4.11E-03
4590	641461.0	4169023.7	Worker	Scenario 4	3.79E-01	1.11E-02	5.98E-03
4591	641511.0	4169023.7	Worker	Scenario 4	3.38E-01	9.30E-03	5.93E-03
4592	641561.0	4169023.7	Worker	Scenario 4	3.11E-01	8.09E-03	5.95E-03
4593	638161.0	4169073.7	Worker	Scenario 4	4.94E-02	1.54E-03	1.66E-03
4594	638211.0	4169073.7	Worker	Scenario 4	5.49E-02	1.74E-03	1.64E-03
4595	638261.0	4169073.7	Worker	Scenario 4	6.16E-02	2.00E-03	1.59E-03
4596	639961.0	4169073.7	Worker	Scenario 4	2.41E-01	8.05E-03	3.30E-03
4597	640011.0	4169073.7	Worker	Scenario 4	2.31E-01	7.52E-03	3.50E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
4598	640061.0	4169073.7	Worker	Scenario 4	2.24E-01	7.15E-03	3.56E-03
4599	640111.0	4169073.7	Worker	Scenario 4	2.19E-01	6.90E-03	3.60E-03
4600	640311.0	4169073.7	Worker	Scenario 4	2.16E-01	6.68E-03	3.82E-03
4601	640361.0	4169073.7	Worker	Scenario 4	2.19E-01	6.86E-03	3.94E-03
4602	640411.0	4169073.7	Worker	Scenario 4	2.26E-01	7.25E-03	3.96E-03
4603	641461.0	4169073.7	Worker	Scenario 4	3.61E-01	1.09E-02	5.73E-03
4604	641511.0	4169073.7	Worker	Scenario 4	3.21E-01	9.02E-03	5.71E-03
4605	641561.0	4169073.7	Worker	Scenario 4	2.94E-01	7.78E-03	5.73E-03
4606	638161.0	4169123.7	Worker	Scenario 4	5.24E-02	1.65E-03	1.53E-03
4607	638211.0	4169123.7	Worker	Scenario 4	5.93E-02	1.91E-03	1.48E-03
4608	639911.0	4169123.7	Worker	Scenario 4	2.47E-01	8.79E-03	3.13E-03
4609	639961.0	4169123.7	Worker	Scenario 4	2.35E-01	8.19E-03	3.34E-03
4610	640011.0	4169123.7	Worker	Scenario 4	2.27E-01	7.77E-03	3.40E-03
4611	640061.0	4169123.7	Worker	Scenario 4	2.22E-01	7.47E-03	3.44E-03
4612	640311.0	4169123.7	Worker	Scenario 4	2.16E-01	7.11E-03	3.78E-03
4613	640361.0	4169123.7	Worker	Scenario 4	2.19E-01	7.32E-03	3.80E-03
4614	640411.0	4169123.7	Worker	Scenario 4	2.26E-01	7.77E-03	4.06E-03
4615	641461.0	4169123.7	Worker	Scenario 4	3.46E-01	1.07E-02	5.52E-03
4616	641511.0	4169123.7	Worker	Scenario 4	3.05E-01	8.68E-03	5.50E-03
4617	641561.0	4169123.7	Worker	Scenario 4	2.78E-01	7.44E-03	5.50E-03
4618	638061.0	4169173.7	Worker	Scenario 4	4.51E-02	1.39E-03	1.48E-03
4619	638161.0	4169173.7	Worker	Scenario 4	5.62E-02	1.80E-03	1.45E-03
4620	639861.0	4169173.7	Worker	Scenario 4	2.64E-01	1.04E-02	2.97E-03
4621	639911.0	4169173.7	Worker	Scenario 4	2.50E-01	9.63E-03	3.20E-03
4622	639961.0	4169173.7	Worker	Scenario 4	2.40E-01	9.09E-03	3.25E-03
4623	640011.0	4169173.7	Worker	Scenario 4	2.33E-01	8.70E-03	3.28E-03
4624	640311.0	4169173.7	Worker	Scenario 4	2.23E-01	8.10E-03	3.63E-03
4625	640361.0	4169173.7	Worker	Scenario 4	2.26E-01	8.31E-03	3.66E-03
4626	640411.0	4169173.7	Worker	Scenario 4	2.33E-01	8.76E-03	4.25E-03
4627	641461.0	4169173.7	Worker	Scenario 4	3.29E-01	1.02E-02	5.31E-03
4628	641511.0	4169173.7	Worker	Scenario 4	2.89E-01	8.25E-03	5.30E-03
4629	641561.0	4169173.7	Worker	Scenario 4	2.63E-01	7.06E-03	5.29E-03
4630	638011.0	4169223.7	Worker	Scenario 4	4.33E-02	1.31E-03	1.38E-03
4631	638061.0	4169223.7	Worker	Scenario 4	4.75E-02	1.47E-03	1.36E-03
4632	639661.0	4169223.7	Worker	Scenario 4	2.89E-01	1.16E-02	2.87E-03
4633	639761.0	4169223.7	Worker	Scenario 4	3.66E-01	1.81E-02	2.70E-03
4634	639811.0	4169223.7	Worker	Scenario 4	3.19E-01	1.50E-02	2.82E-03
4635	639861.0	4169223.7	Worker	Scenario 4	2.96E-01	1.35E-02	3.06E-03
4636	639911.0	4169223.7	Worker	Scenario 4	2.81E-01	1.27E-02	3.11E-03
4637	639961.0	4169223.7	Worker	Scenario 4	2.71E-01	1.21E-02	3.17E-03
4638	640311.0	4169223.7	Worker	Scenario 4	2.50E-01	1.07E-02	3.51E-03
4639	640361.0	4169223.7	Worker	Scenario 4	2.53E-01	1.08E-02	3.86E-03
4640	640411.0	4169223.7	Worker	Scenario 4	2.59E-01	1.12E-02	4.27E-03
4641	641461.0	4169223.7	Worker	Scenario 4	3.12E-01	9.54E-03	5.12E-03
4642	641511.0	4169223.7	Worker	Scenario 4	2.74E-01	7.74E-03	5.10E-03
4643	641561.0	4169223.7	Worker	Scenario 4	2.49E-01	6.64E-03	5.09E-03
4644	637961.0	4169273.7	Worker	Scenario 4	4.17E-02	1.25E-03	1.31E-03
4645	638011.0	4169273.7	Worker	Scenario 4	4.56E-02	1.39E-03	1.41E-03
4646	638061.0	4169273.7	Worker	Scenario 4	5.03E-02	1.56E-03	1.52E-03
4647	639611.0	4169273.7	Worker	Scenario 4	2.50E-01	8.97E-03	2.77E-03
4648	639661.0	4169273.7	Worker	Scenario 4	2.87E-01	1.22E-02	2.71E-03
4649	639761.0	4169273.7	Worker	Scenario 4	4.51E-01	2.59E-02	2.68E-03
4650	639811.0	4169273.7	Worker	Scenario 4	3.68E-01	1.96E-02	2.92E-03
4651	639861.0	4169273.7	Worker	Scenario 4	3.37E-01	1.74E-02	3.00E-03
4652	639911.0	4169273.7	Worker	Scenario 4	3.43E-01	1.82E-02	3.06E-03
4653	640311.0	4169273.7	Worker	Scenario 4	3.18E-01	1.65E-02	3.45E-03
4654	640361.0	4169273.7	Worker	Scenario 4	3.25E-01	1.71E-02	3.99E-03
4655	640411.0	4169273.7	Worker	Scenario 4	3.47E-01	1.88E-02	4.15E-03
4656	641461.0	4169273.7	Worker	Scenario 4	2.95E-01	8.81E-03	4.93E-03
4657	641511.0	4169273.7	Worker	Scenario 4	2.59E-01	7.20E-03	4.92E-03
4658	641561.0	4169273.7	Worker	Scenario 4	2.36E-01	6.22E-03	4.89E-03
4659	637911.0	4169323.7	Worker	Scenario 4	4.01E-02	1.19E-03	1.33E-03
4660	637961.0	4169323.7	Worker	Scenario 4	4.37E-02	1.31E-03	1.43E-03
4661	638011.0	4169323.7	Worker	Scenario 4	4.79E-02	1.46E-03	1.53E-03
4662	639611.0	4169323.7	Worker	Scenario 4	2.35E-01	8.44E-03	2.62E-03
4663	639661.0	4169323.7	Worker	Scenario 4	2.76E-01	1.20E-02	2.50E-03
4664	639761.0	4169323.7	Worker	Scenario 4	3.08E-01	1.51E-02	2.80E-03
4665	639811.0	4169323.7	Worker	Scenario 4	2.58E-01	1.13E-02	2.90E-03
4666	640311.0	4169323.7	Worker	Scenario 4	2.20E-01	8.95E-03	3.67E-03
4667	640361.0	4169323.7	Worker	Scenario 4	2.24E-01	9.26E-03	3.99E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4668	640411.0	4169323.7	Worker	Scenario 4	2.31E-01	9.76E-03	4.03E-03
4669	641461.0	4169323.7	Worker	Scenario 4	2.79E-01	8.07E-03	4.76E-03
4670	641511.0	4169323.7	Worker	Scenario 4	2.45E-01	6.68E-03	4.75E-03
4671	641561.0	4169323.7	Worker	Scenario 4	2.24E-01	5.82E-03	4.71E-03
4672	637861.0	4169373.7	Worker	Scenario 4	3.85E-02	1.12E-03	1.36E-03
4673	637911.0	4169373.7	Worker	Scenario 4	4.18E-02	1.23E-03	1.45E-03
4674	637961.0	4169373.7	Worker	Scenario 4	4.58E-02	1.37E-03	1.54E-03
4675	639561.0	4169373.7	Worker	Scenario 4	2.16E-01	7.09E-03	2.54E-03
4676	639611.0	4169373.7	Worker	Scenario 4	2.21E-01	7.89E-03	2.41E-03
4677	639661.0	4169373.7	Worker	Scenario 4	2.50E-01	1.05E-02	2.46E-03
4678	640311.0	4169373.7	Worker	Scenario 4	1.85E-01	6.49E-03	3.76E-03
4679	640361.0	4169373.7	Worker	Scenario 4	1.88E-01	6.71E-03	3.85E-03
4680	640411.0	4169373.7	Worker	Scenario 4	1.94E-01	7.09E-03	3.87E-03
4681	641461.0	4169373.7	Worker	Scenario 4	2.64E-01	7.41E-03	4.60E-03
4682	641511.0	4169373.7	Worker	Scenario 4	2.33E-01	6.21E-03	4.59E-03
4683	641561.0	4169373.7	Worker	Scenario 4	2.14E-01	5.46E-03	4.54E-03
4684	637861.0	4169423.7	Worker	Scenario 4	4.00E-02	1.16E-03	1.46E-03
4685	637911.0	4169423.7	Worker	Scenario 4	4.36E-02	1.29E-03	1.53E-03
4686	639511.0	4169423.7	Worker	Scenario 4	2.05E-01	6.43E-03	2.46E-03
4687	639561.0	4169423.7	Worker	Scenario 4	2.02E-01	6.59E-03	2.33E-03
4688	639611.0	4169423.7	Worker	Scenario 4	2.07E-01	7.32E-03	2.37E-03
4689	639661.0	4169423.7	Worker	Scenario 4	2.32E-01	9.57E-03	2.56E-03
4690	640311.0	4169423.7	Worker	Scenario 4	1.69E-01	5.54E-03	3.73E-03
4691	640361.0	4169423.7	Worker	Scenario 4	1.72E-01	5.72E-03	3.76E-03
4692	640411.0	4169423.7	Worker	Scenario 4	1.77E-01	6.02E-03	3.68E-03
4693	640861.0	4169423.7	Worker	Scenario 4	1.89E-01	6.27E-03	4.16E-03
4694	640911.0	4169423.7	Worker	Scenario 4	1.88E-01	6.07E-03	4.26E-03
4695	640961.0	4169423.7	Worker	Scenario 4	1.89E-01	5.97E-03	4.43E-03
4696	641011.0	4169423.7	Worker	Scenario 4	1.91E-01	5.96E-03	4.23E-03
4697	641061.0	4169423.7	Worker	Scenario 4	1.95E-01	6.07E-03	4.27E-03
4698	641461.0	4169423.7	Worker	Scenario 4	2.52E-01	6.92E-03	4.44E-03
4699	641511.0	4169423.7	Worker	Scenario 4	2.22E-01	5.84E-03	4.44E-03
4700	641561.0	4169423.7	Worker	Scenario 4	2.04E-01	5.15E-03	4.39E-03
4701	637861.0	4169473.7	Worker	Scenario 4	4.17E-02	1.21E-03	1.51E-03
4702	639461.0	4169473.7	Worker	Scenario 4	1.97E-01	6.02E-03	2.39E-03
4703	639511.0	4169473.7	Worker	Scenario 4	1.92E-01	5.95E-03	2.26E-03
4704	639561.0	4169473.7	Worker	Scenario 4	1.90E-01	6.17E-03	2.29E-03
4705	639611.0	4169473.7	Worker	Scenario 4	1.95E-01	6.86E-03	2.45E-03
4706	640311.0	4169473.7	Worker	Scenario 4	1.59E-01	4.99E-03	3.58E-03
4707	640361.0	4169473.7	Worker	Scenario 4	1.61E-01	5.13E-03	3.61E-03
4708	640411.0	4169473.7	Worker	Scenario 4	1.65E-01	5.37E-03	3.70E-03
4709	640811.0	4169473.7	Worker	Scenario 4	1.74E-01	5.51E-03	4.02E-03
4710	640861.0	4169473.7	Worker	Scenario 4	1.74E-01	5.38E-03	4.04E-03
4711	640911.0	4169473.7	Worker	Scenario 4	1.74E-01	5.30E-03	4.22E-03
4712	640961.0	4169473.7	Worker	Scenario 4	1.76E-01	5.27E-03	4.25E-03
4713	641011.0	4169473.7	Worker	Scenario 4	1.78E-01	5.30E-03	4.11E-03
4714	641061.0	4169473.7	Worker	Scenario 4	1.82E-01	5.41E-03	4.13E-03
4715	641111.0	4169473.7	Worker	Scenario 4	1.88E-01	5.60E-03	4.09E-03
4716	641161.0	4169473.7	Worker	Scenario 4	1.96E-01	5.88E-03	4.05E-03
4717	641211.0	4169473.7	Worker	Scenario 4	2.11E-01	6.39E-03	4.01E-03
4718	641361.0	4169473.7	Worker	Scenario 4	4.41E-01	1.42E-02	4.03E-03
4719	641411.0	4169473.7	Worker	Scenario 4	2.95E-01	8.50E-03	4.15E-03
4720	641461.0	4169473.7	Worker	Scenario 4	2.41E-01	6.56E-03	4.30E-03
4721	641511.0	4169473.7	Worker	Scenario 4	2.13E-01	5.54E-03	4.29E-03
4722	639361.0	4169523.7	Worker	Scenario 4	2.00E-01	6.12E-03	2.34E-03
4723	639411.0	4169523.7	Worker	Scenario 4	1.90E-01	5.73E-03	2.31E-03
4724	639461.0	4169523.7	Worker	Scenario 4	1.83E-01	5.56E-03	2.19E-03
4725	639511.0	4169523.7	Worker	Scenario 4	1.80E-01	5.58E-03	2.20E-03
4726	639561.0	4169523.7	Worker	Scenario 4	1.80E-01	5.83E-03	2.35E-03
4727	640311.0	4169523.7	Worker	Scenario 4	1.50E-01	4.60E-03	3.52E-03
4728	640361.0	4169523.7	Worker	Scenario 4	1.52E-01	4.70E-03	3.44E-03
4729	640411.0	4169523.7	Worker	Scenario 4	1.54E-01	4.86E-03	3.60E-03
4730	640461.0	4169523.7	Worker	Scenario 4	1.57E-01	5.04E-03	3.64E-03
4731	640611.0	4169523.7	Worker	Scenario 4	1.62E-01	5.20E-03	3.70E-03
4732	640661.0	4169523.7	Worker	Scenario 4	1.62E-01	5.11E-03	3.52E-03
4733	640711.0	4169523.7	Worker	Scenario 4	1.61E-01	5.00E-03	3.83E-03
4734	640761.0	4169523.7	Worker	Scenario 4	1.61E-01	4.91E-03	3.71E-03
4735	640811.0	4169523.7	Worker	Scenario 4	1.62E-01	4.83E-03	3.89E-03
4736	640861.0	4169523.7	Worker	Scenario 4	1.62E-01	4.78E-03	3.91E-03
4737	640911.0	4169523.7	Worker	Scenario 4	1.63E-01	4.76E-03	4.14E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4738	640961.0	4169523.7	Worker	Scenario 4	1.65E-01	4.76E-03	4.06E-03
4739	641011.0	4169523.7	Worker	Scenario 4	1.67E-01	4.81E-03	3.98E-03
4740	641061.0	4169523.7	Worker	Scenario 4	1.71E-01	4.90E-03	3.98E-03
4741	641111.0	4169523.7	Worker	Scenario 4	1.76E-01	5.05E-03	4.00E-03
4742	641161.0	4169523.7	Worker	Scenario 4	1.85E-01	5.33E-03	3.90E-03
4743	641211.0	4169523.7	Worker	Scenario 4	2.00E-01	5.86E-03	3.95E-03
4744	641261.0	4169523.7	Worker	Scenario 4	2.38E-01	7.29E-03	4.02E-03
4745	641361.0	4169523.7	Worker	Scenario 4	4.26E-01	1.36E-02	3.92E-03
4746	641411.0	4169523.7	Worker	Scenario 4	2.84E-01	8.14E-03	4.01E-03
4747	641461.0	4169523.7	Worker	Scenario 4	2.32E-01	6.26E-03	4.16E-03
4748	641511.0	4169523.7	Worker	Scenario 4	2.05E-01	5.28E-03	4.16E-03
4749	639311.0	4169573.7	Worker	Scenario 4	1.95E-01	5.93E-03	2.26E-03
4750	639361.0	4169573.7	Worker	Scenario 4	1.84E-01	5.53E-03	2.24E-03
4751	639411.0	4169573.7	Worker	Scenario 4	1.77E-01	5.31E-03	2.13E-03
4752	639461.0	4169573.7	Worker	Scenario 4	1.72E-01	5.23E-03	2.13E-03
4753	639511.0	4169573.7	Worker	Scenario 4	1.70E-01	5.30E-03	2.25E-03
4754	640361.0	4169573.7	Worker	Scenario 4	1.44E-01	4.35E-03	3.45E-03
4755	640411.0	4169573.7	Worker	Scenario 4	1.46E-01	4.44E-03	3.50E-03
4756	640461.0	4169573.7	Worker	Scenario 4	1.47E-01	4.52E-03	3.47E-03
4757	640511.0	4169573.7	Worker	Scenario 4	1.49E-01	4.57E-03	3.58E-03
4758	640561.0	4169573.7	Worker	Scenario 4	1.50E-01	4.58E-03	3.61E-03
4759	640611.0	4169573.7	Worker	Scenario 4	1.50E-01	4.55E-03	3.49E-03
4760	640661.0	4169573.7	Worker	Scenario 4	1.50E-01	4.50E-03	3.56E-03
4761	640711.0	4169573.7	Worker	Scenario 4	1.51E-01	4.44E-03	3.71E-03
4762	640761.0	4169573.7	Worker	Scenario 4	1.51E-01	4.40E-03	3.70E-03
4763	640811.0	4169573.7	Worker	Scenario 4	1.52E-01	4.36E-03	3.76E-03
4764	640861.0	4169573.7	Worker	Scenario 4	1.53E-01	4.34E-03	3.84E-03
4765	640911.0	4169573.7	Worker	Scenario 4	1.54E-01	4.34E-03	4.03E-03
4766	641061.0	4169573.7	Worker	Scenario 4	1.62E-01	4.50E-03	3.82E-03
4767	641111.0	4169573.7	Worker	Scenario 4	1.67E-01	4.65E-03	3.89E-03
4768	641161.0	4169573.7	Worker	Scenario 4	1.76E-01	4.93E-03	3.71E-03
4769	641211.0	4169573.7	Worker	Scenario 4	1.92E-01	5.49E-03	3.87E-03
4770	641261.0	4169573.7	Worker	Scenario 4	2.31E-01	7.02E-03	3.91E-03
4771	641361.0	4169573.7	Worker	Scenario 4	4.13E-01	1.31E-02	3.81E-03
4772	641411.0	4169573.7	Worker	Scenario 4	2.75E-01	7.85E-03	3.89E-03
4773	641461.0	4169573.7	Worker	Scenario 4	2.24E-01	6.00E-03	4.02E-03
4774	637961.0	4169623.7	Worker	Scenario 4	6.00E-02	1.73E-03	1.46E-03
4775	639261.0	4169623.7	Worker	Scenario 4	1.89E-01	5.80E-03	2.19E-03
4776	639311.0	4169623.7	Worker	Scenario 4	1.79E-01	5.39E-03	2.18E-03
4777	639361.0	4169623.7	Worker	Scenario 4	1.71E-01	5.14E-03	2.08E-03
4778	639411.0	4169623.7	Worker	Scenario 4	1.66E-01	5.01E-03	2.06E-03
4779	639461.0	4169623.7	Worker	Scenario 4	1.62E-01	4.98E-03	2.15E-03
4780	640361.0	4169623.7	Worker	Scenario 4	1.37E-01	4.05E-03	3.39E-03
4781	640411.0	4169623.7	Worker	Scenario 4	1.38E-01	4.09E-03	3.42E-03
4782	640461.0	4169623.7	Worker	Scenario 4	1.39E-01	4.12E-03	3.36E-03
4783	640511.0	4169623.7	Worker	Scenario 4	1.40E-01	4.14E-03	3.49E-03
4784	640561.0	4169623.7	Worker	Scenario 4	1.41E-01	4.13E-03	3.50E-03
4785	640611.0	4169623.7	Worker	Scenario 4	1.41E-01	4.11E-03	3.24E-03
4786	640661.0	4169623.7	Worker	Scenario 4	1.41E-01	4.07E-03	3.55E-03
4787	640711.0	4169623.7	Worker	Scenario 4	1.42E-01	4.04E-03	3.55E-03
4788	640761.0	4169623.7	Worker	Scenario 4	1.43E-01	4.01E-03	3.64E-03
4789	640811.0	4169623.7	Worker	Scenario 4	1.43E-01	4.00E-03	3.68E-03
4790	641261.0	4169623.7	Worker	Scenario 4	2.25E-01	6.82E-03	3.79E-03
4791	637911.0	4169673.7	Worker	Scenario 4	5.50E-02	1.56E-03	1.45E-03
4792	637961.0	4169673.7	Worker	Scenario 4	6.31E-02	1.79E-03	1.51E-03
4793	639211.0	4169673.7	Worker	Scenario 4	1.84E-01	5.70E-03	2.13E-03
4794	639261.0	4169673.7	Worker	Scenario 4	1.74E-01	5.30E-03	2.12E-03
4795	639311.0	4169673.7	Worker	Scenario 4	1.67E-01	5.04E-03	2.03E-03
4796	639361.0	4169673.7	Worker	Scenario 4	1.61E-01	4.88E-03	2.00E-03
4797	640461.0	4169673.7	Worker	Scenario 4	1.32E-01	3.81E-03	3.35E-03
4798	640511.0	4169673.7	Worker	Scenario 4	1.33E-01	3.80E-03	3.38E-03
4799	640561.0	4169673.7	Worker	Scenario 4	1.33E-01	3.79E-03	3.34E-03
4800	640611.0	4169673.7	Worker	Scenario 4	1.34E-01	3.77E-03	3.24E-03
4801	637861.0	4169723.7	Worker	Scenario 4	5.07E-02	1.42E-03	1.44E-03
4802	637911.0	4169723.7	Worker	Scenario 4	5.71E-02	1.60E-03	1.48E-03
4803	637961.0	4169723.7	Worker	Scenario 4	6.61E-02	1.84E-03	1.50E-03
4804	639161.0	4169723.7	Worker	Scenario 4	1.78E-01	5.65E-03	2.06E-03
4805	639211.0	4169723.7	Worker	Scenario 4	1.69E-01	5.26E-03	2.06E-03
4806	639261.0	4169723.7	Worker	Scenario 4	1.62E-01	5.00E-03	1.97E-03
4807	639311.0	4169723.7	Worker	Scenario 4	1.57E-01	4.83E-03	1.94E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4808	637861.0	4169773.7	Worker	Scenario 4	5.19E-02	1.45E-03	1.45E-03
4809	637911.0	4169773.7	Worker	Scenario 4	5.90E-02	1.64E-03	1.45E-03
4810	637961.0	4169773.7	Worker	Scenario 4	6.80E-02	1.87E-03	1.44E-03
4811	639111.0	4169773.7	Worker	Scenario 4	1.73E-01	5.68E-03	2.01E-03
4812	639161.0	4169773.7	Worker	Scenario 4	1.65E-01	5.30E-03	2.00E-03
4813	639211.0	4169773.7	Worker	Scenario 4	1.58E-01	5.04E-03	1.93E-03
4814	639261.0	4169773.7	Worker	Scenario 4	1.53E-01	4.87E-03	1.88E-03
4815	637861.0	4169823.7	Worker	Scenario 4	5.35E-02	1.48E-03	1.41E-03
4816	637911.0	4169823.7	Worker	Scenario 4	6.05E-02	1.67E-03	1.38E-03
4817	637961.0	4169823.7	Worker	Scenario 4	7.02E-02	1.92E-03	1.33E-03
4818	639061.0	4169823.7	Worker	Scenario 4	1.70E-01	5.83E-03	1.95E-03
4819	639111.0	4169823.7	Worker	Scenario 4	1.62E-01	5.47E-03	1.95E-03
4820	639161.0	4169823.7	Worker	Scenario 4	1.55E-01	5.21E-03	1.88E-03
4821	639211.0	4169823.7	Worker	Scenario 4	1.51E-01	5.04E-03	1.82E-03
4822	637861.0	4169873.7	Worker	Scenario 4	5.44E-02	1.50E-03	1.32E-03
4823	637911.0	4169873.7	Worker	Scenario 4	6.15E-02	1.69E-03	1.27E-03
4824	637961.0	4169873.7	Worker	Scenario 4	7.11E-02	1.95E-03	1.25E-03
4825	639011.0	4169873.7	Worker	Scenario 4	1.69E-01	6.20E-03	1.90E-03
4826	639061.0	4169873.7	Worker	Scenario 4	1.62E-01	5.86E-03	1.90E-03
4827	639111.0	4169873.7	Worker	Scenario 4	1.56E-01	5.61E-03	1.83E-03
4828	639161.0	4169873.7	Worker	Scenario 4	1.51E-01	5.44E-03	1.77E-03
4829	637861.0	4169923.7	Worker	Scenario 4	5.50E-02	1.51E-03	1.23E-03
4830	637911.0	4169923.7	Worker	Scenario 4	6.20E-02	1.71E-03	1.20E-03
4831	637961.0	4169923.7	Worker	Scenario 4	7.14E-02	1.99E-03	1.25E-03
4832	638961.0	4169923.7	Worker	Scenario 4	1.74E-01	7.09E-03	1.85E-03
4833	639011.0	4169923.7	Worker	Scenario 4	1.67E-01	6.76E-03	1.85E-03
4834	639061.0	4169923.7	Worker	Scenario 4	1.62E-01	6.52E-03	1.79E-03
4835	639111.0	4169923.7	Worker	Scenario 4	1.58E-01	6.35E-03	1.72E-03
4836	637861.0	4169973.7	Worker	Scenario 4	5.52E-02	1.51E-03	1.17E-03
4837	637911.0	4169973.7	Worker	Scenario 4	6.19E-02	1.72E-03	1.25E-03
4838	637961.0	4169973.7	Worker	Scenario 4	7.08E-02	2.01E-03	1.34E-03
4839	638911.0	4169973.7	Worker	Scenario 4	1.99E-01	9.65E-03	1.80E-03
4840	638961.0	4169973.7	Worker	Scenario 4	1.93E-01	9.31E-03	1.80E-03
4841	639011.0	4169973.7	Worker	Scenario 4	1.88E-01	9.06E-03	1.75E-03
4842	639061.0	4169973.7	Worker	Scenario 4	1.85E-01	8.86E-03	1.67E-03
4843	637861.0	4170023.7	Worker	Scenario 4	5.50E-02	1.51E-03	1.24E-03
4844	637911.0	4170023.7	Worker	Scenario 4	6.13E-02	1.71E-03	1.32E-03
4845	637961.0	4170023.7	Worker	Scenario 4	6.94E-02	2.01E-03	1.39E-03
4846	638911.0	4170023.7	Worker	Scenario 4	2.75E-01	1.63E-02	1.76E-03
4847	638961.0	4170023.7	Worker	Scenario 4	2.55E-01	1.48E-02	1.71E-03
4848	639011.0	4170023.7	Worker	Scenario 4	2.57E-01	1.51E-02	1.63E-03
4849	637861.0	4170073.7	Worker	Scenario 4	5.49E-02	1.53E-03	1.30E-03
4850	637911.0	4170073.7	Worker	Scenario 4	6.03E-02	1.72E-03	1.35E-03
4851	637961.0	4170073.7	Worker	Scenario 4	6.72E-02	2.00E-03	1.38E-03
4852	638011.0	4170073.7	Worker	Scenario 4	7.68E-02	2.47E-03	1.39E-03
4853	638911.0	4170073.7	Worker	Scenario 4	1.54E-01	7.07E-03	1.67E-03
4854	638961.0	4170073.7	Worker	Scenario 4	1.53E-01	7.05E-03	1.59E-03
4855	637911.0	4170123.7	Worker	Scenario 4	5.90E-02	1.69E-03	1.35E-03
4856	637961.0	4170123.7	Worker	Scenario 4	6.48E-02	1.93E-03	1.35E-03
4857	638011.0	4170123.7	Worker	Scenario 4	7.18E-02	2.26E-03	1.33E-03
4858	638061.0	4170123.7	Worker	Scenario 4	8.07E-02	2.66E-03	1.35E-03
4859	638111.0	4170123.7	Worker	Scenario 4	8.86E-02	3.03E-03	1.40E-03
4860	638161.0	4170123.7	Worker	Scenario 4	9.60E-02	3.39E-03	1.42E-03
4861	638211.0	4170123.7	Worker	Scenario 4	1.03E-01	3.68E-03	1.43E-03
4862	638261.0	4170123.7	Worker	Scenario 4	1.09E-01	3.95E-03	1.47E-03
4863	638311.0	4170123.7	Worker	Scenario 4	1.15E-01	4.21E-03	1.48E-03
4864	638361.0	4170123.7	Worker	Scenario 4	1.20E-01	4.40E-03	1.52E-03
4865	638411.0	4170123.7	Worker	Scenario 4	1.23E-01	4.52E-03	1.53E-03
4866	638461.0	4170123.7	Worker	Scenario 4	1.24E-01	4.59E-03	1.50E-03
4867	638511.0	4170123.7	Worker	Scenario 4	1.24E-01	4.67E-03	1.53E-03
4868	638561.0	4170123.7	Worker	Scenario 4	1.25E-01	4.78E-03	1.59E-03
4869	638611.0	4170123.7	Worker	Scenario 4	1.26E-01	4.89E-03	1.61E-03
4870	638661.0	4170123.7	Worker	Scenario 4	1.26E-01	4.93E-03	1.63E-03
4871	638911.0	4170123.7	Worker	Scenario 4	1.19E-01	4.58E-03	1.55E-03
4872	638961.0	4170123.7	Worker	Scenario 4	1.18E-01	4.55E-03	1.56E-03
4873	637911.0	4170173.7	Worker	Scenario 4	5.74E-02	1.64E-03	1.32E-03
4874	637961.0	4170173.7	Worker	Scenario 4	6.22E-02	1.84E-03	1.29E-03
4875	638011.0	4170173.7	Worker	Scenario 4	6.75E-02	2.06E-03	1.32E-03
4876	638061.0	4170173.7	Worker	Scenario 4	7.33E-02	2.29E-03	1.37E-03
4877	638111.0	4170173.7	Worker	Scenario 4	7.88E-02	2.52E-03	1.39E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
4878	638161.0	4170173.7	Worker	Scenario 4	8.42E-02	2.75E-03	1.40E-03
4879	638211.0	4170173.7	Worker	Scenario 4	8.91E-02	2.95E-03	1.43E-03
4880	638261.0	4170173.7	Worker	Scenario 4	9.37E-02	3.14E-03	1.45E-03
4881	638311.0	4170173.7	Worker	Scenario 4	9.76E-02	3.29E-03	1.49E-03
4882	638361.0	4170173.7	Worker	Scenario 4	1.01E-01	3.42E-03	1.49E-03
4883	638411.0	4170173.7	Worker	Scenario 4	1.03E-01	3.51E-03	1.46E-03
4884	638461.0	4170173.7	Worker	Scenario 4	1.04E-01	3.60E-03	1.50E-03
4885	638511.0	4170173.7	Worker	Scenario 4	1.05E-01	3.66E-03	1.55E-03
4886	638561.0	4170173.7	Worker	Scenario 4	1.06E-01	3.72E-03	1.57E-03
4887	638611.0	4170173.7	Worker	Scenario 4	1.06E-01	3.76E-03	1.59E-03
4888	638861.0	4170173.7	Worker	Scenario 4	1.03E-01	3.63E-03	1.53E-03
4889	638911.0	4170173.7	Worker	Scenario 4	1.02E-01	3.60E-03	1.52E-03
4890	638961.0	4170173.7	Worker	Scenario 4	1.02E-01	3.58E-03	1.54E-03
4891	638011.0	4170223.7	Worker	Scenario 4	6.37E-02	1.89E-03	1.34E-03
4892	638061.0	4170223.7	Worker	Scenario 4	6.79E-02	2.06E-03	1.36E-03
4893	638111.0	4170223.7	Worker	Scenario 4	7.22E-02	2.22E-03	1.38E-03
4894	638161.0	4170223.7	Worker	Scenario 4	7.63E-02	2.39E-03	1.40E-03
4895	638211.0	4170223.7	Worker	Scenario 4	8.00E-02	2.53E-03	1.42E-03
4896	638261.0	4170223.7	Worker	Scenario 4	8.33E-02	2.66E-03	1.45E-03
4897	638311.0	4170223.7	Worker	Scenario 4	8.60E-02	2.77E-03	1.45E-03
4898	638361.0	4170223.7	Worker	Scenario 4	8.83E-02	2.86E-03	1.42E-03
4899	638411.0	4170223.7	Worker	Scenario 4	9.02E-02	2.94E-03	1.46E-03
4900	638461.0	4170223.7	Worker	Scenario 4	9.18E-02	3.01E-03	1.51E-03
4901	638511.0	4170223.7	Worker	Scenario 4	9.26E-02	3.06E-03	1.53E-03
4902	638561.0	4170223.7	Worker	Scenario 4	9.33E-02	3.09E-03	1.55E-03
4903	638811.0	4170223.7	Worker	Scenario 4	9.29E-02	3.09E-03	1.50E-03
4904	638861.0	4170223.7	Worker	Scenario 4	9.25E-02	3.07E-03	1.48E-03
4905	638911.0	4170223.7	Worker	Scenario 4	9.22E-02	3.06E-03	1.50E-03
4906	638761.0	4170273.7	Worker	Scenario 4	8.52E-02	2.71E-03	1.48E-03
4907	641536.2	4164448.9	Worker	Scenario 4	9.27E-03	3.34E-04	1.55E-03
4908	641636.2	4164448.9	Worker	Scenario 4	1.01E-02	3.59E-04	1.88E-03
4909	641736.2	4164448.9	Worker	Scenario 4	1.01E-02	3.59E-04	1.10E-03
4910	641836.2	4164448.9	Worker	Scenario 4	1.01E-02	3.62E-04	1.01E-03
4911	641936.2	4164448.9	Worker	Scenario 4	1.04E-02	3.70E-04	9.29E-04
4912	642036.2	4164448.9	Worker	Scenario 4	1.07E-02	3.81E-04	1.16E-03
4913	642136.2	4164448.9	Worker	Scenario 4	1.11E-02	3.92E-04	1.25E-03
4914	642236.2	4164448.9	Worker	Scenario 4	1.18E-02	4.13E-04	1.15E-03
4915	642336.2	4164448.9	Worker	Scenario 4	1.25E-02	4.32E-04	1.14E-03
4916	642436.2	4164448.9	Worker	Scenario 4	1.26E-02	4.38E-04	8.74E-04
4917	642536.2	4164448.9	Worker	Scenario 4	1.24E-02	4.33E-04	9.53E-04
4918	642636.2	4164448.9	Worker	Scenario 4	1.28E-02	4.45E-04	1.03E-03
4919	642736.2	4164448.9	Worker	Scenario 4	1.40E-02	4.78E-04	1.60E-03
4920	642836.2	4164448.9	Worker	Scenario 4	1.58E-02	5.23E-04	2.27E-03
4921	642936.2	4164448.9	Worker	Scenario 4	1.61E-02	5.31E-04	1.84E-03
4922	643036.2	4164448.9	Worker	Scenario 4	1.67E-02	5.47E-04	2.05E-03
4923	643136.2	4164448.9	Worker	Scenario 4	1.82E-02	5.82E-04	3.06E-03
4924	643236.2	4164448.9	Worker	Scenario 4	1.93E-02	6.08E-04	3.44E-03
4925	643336.2	4164448.9	Worker	Scenario 4	2.05E-02	6.35E-04	3.36E-03
4926	643436.2	4164448.9	Worker	Scenario 4	2.13E-02	6.53E-04	3.47E-03
4927	643536.2	4164448.9	Worker	Scenario 4	2.19E-02	6.65E-04	3.93E-03
4928	643636.2	4164448.9	Worker	Scenario 4	2.28E-02	6.83E-04	3.68E-03
4929	643736.2	4164448.9	Worker	Scenario 4	2.33E-02	6.92E-04	4.00E-03
4930	643836.2	4164448.9	Worker	Scenario 4	2.36E-02	6.98E-04	3.25E-03
4931	643936.2	4164448.9	Worker	Scenario 4	2.42E-02	7.08E-04	3.11E-03
4932	644036.2	4164448.9	Worker	Scenario 4	2.46E-02	7.15E-04	3.06E-03
4933	644136.2	4164448.9	Worker	Scenario 4	2.49E-02	7.18E-04	3.59E-03
4934	644336.2	4164448.9	Worker	Scenario 4	2.51E-02	7.20E-04	2.98E-03
4935	644436.2	4164448.9	Worker	Scenario 4	2.51E-02	7.19E-04	2.90E-03
4936	644536.2	4164448.9	Worker	Scenario 4	2.50E-02	7.16E-04	2.66E-03
4937	640936.2	4164548.9	Worker	Scenario 4	8.22E-03	3.03E-04	9.93E-04
4938	641036.2	4164548.9	Worker	Scenario 4	8.03E-03	2.98E-04	1.06E-03
4939	641136.2	4164548.9	Worker	Scenario 4	8.24E-03	3.05E-04	9.93E-04
4940	641236.2	4164548.9	Worker	Scenario 4	8.47E-03	3.12E-04	5.42E-04
4941	641336.2	4164548.9	Worker	Scenario 4	8.75E-03	3.21E-04	6.97E-04
4942	641436.2	4164548.9	Worker	Scenario 4	8.87E-03	3.25E-04	8.21E-04
4943	641536.2	4164548.9	Worker	Scenario 4	9.18E-03	3.35E-04	7.96E-04
4944	641636.2	4164548.9	Worker	Scenario 4	9.70E-03	3.51E-04	7.44E-04
4945	641736.2	4164548.9	Worker	Scenario 4	1.06E-02	3.78E-04	1.34E-03
4946	641836.2	4164548.9	Worker	Scenario 4	1.17E-02	4.06E-04	2.27E-03
4947	641936.2	4164548.9	Worker	Scenario 4	1.17E-02	4.10E-04	1.22E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
4948	642036.2	4164548.9	Worker	Scenario 4	1.13E-02	4.00E-04	1.22E-03
4949	642136.2	4164548.9	Worker	Scenario 4	1.18E-02	4.14E-04	1.27E-03
4950	642236.2	4164548.9	Worker	Scenario 4	1.19E-02	4.19E-04	1.13E-03
4951	642336.2	4164548.9	Worker	Scenario 4	1.26E-02	4.39E-04	8.76E-04
4952	642436.2	4164548.9	Worker	Scenario 4	1.48E-02	4.96E-04	2.06E-03
4953	642536.2	4164548.9	Worker	Scenario 4	1.32E-02	4.60E-04	1.07E-03
4954	642636.2	4164548.9	Worker	Scenario 4	1.35E-02	4.68E-04	1.03E-03
4955	642736.2	4164548.9	Worker	Scenario 4	1.39E-02	4.82E-04	8.37E-04
4956	642836.2	4164548.9	Worker	Scenario 4	1.61E-02	5.38E-04	1.61E-03
4957	642936.2	4164548.9	Worker	Scenario 4	1.79E-02	5.79E-04	2.31E-03
4958	643036.2	4164548.9	Worker	Scenario 4	1.77E-02	5.78E-04	2.36E-03
4959	643136.2	4164548.9	Worker	Scenario 4	1.90E-02	6.09E-04	3.06E-03
4960	643236.2	4164548.9	Worker	Scenario 4	2.04E-02	6.39E-04	3.23E-03
4961	643336.2	4164548.9	Worker	Scenario 4	2.16E-02	6.67E-04	3.62E-03
4962	643436.2	4164548.9	Worker	Scenario 4	2.24E-02	6.84E-04	3.75E-03
4963	643536.2	4164548.9	Worker	Scenario 4	2.33E-02	7.03E-04	4.03E-03
4964	643636.2	4164548.9	Worker	Scenario 4	2.40E-02	7.16E-04	4.17E-03
4965	643736.2	4164548.9	Worker	Scenario 4	2.46E-02	7.28E-04	3.55E-03
4966	643836.2	4164548.9	Worker	Scenario 4	2.50E-02	7.33E-04	3.34E-03
4967	643936.2	4164548.9	Worker	Scenario 4	2.54E-02	7.40E-04	3.11E-03
4968	644036.2	4164548.9	Worker	Scenario 4	2.58E-02	7.46E-04	3.79E-03
4969	644236.2	4164548.9	Worker	Scenario 4	2.57E-02	7.42E-04	3.29E-03
4970	644336.2	4164548.9	Worker	Scenario 4	2.60E-02	7.47E-04	3.11E-03
4971	644436.2	4164548.9	Worker	Scenario 4	2.61E-02	7.46E-04	2.81E-03
4972	644536.2	4164548.9	Worker	Scenario 4	2.61E-02	7.44E-04	2.53E-03
4973	644636.2	4164548.9	Worker	Scenario 4	2.61E-02	7.39E-04	2.35E-03
4974	644736.2	4164548.9	Worker	Scenario 4	2.61E-02	7.34E-04	1.90E-03
4975	644836.2	4164548.9	Worker	Scenario 4	2.60E-02	7.27E-04	2.08E-03
4976	644936.2	4164548.9	Worker	Scenario 4	2.57E-02	7.16E-04	2.23E-03
4977	645036.2	4164548.9	Worker	Scenario 4	2.60E-02	7.15E-04	2.00E-03
4978	640536.2	4164648.9	Worker	Scenario 4	7.48E-03	2.79E-04	6.53E-04
4979	640636.2	4164648.9	Worker	Scenario 4	7.90E-03	2.93E-04	1.16E-03
4980	640736.2	4164648.9	Worker	Scenario 4	7.81E-03	2.91E-04	6.70E-04
4981	640836.2	4164648.9	Worker	Scenario 4	8.11E-03	3.01E-04	9.93E-04
4982	640936.2	4164648.9	Worker	Scenario 4	8.47E-03	3.12E-04	1.07E-03
4983	641036.2	4164648.9	Worker	Scenario 4	8.31E-03	3.08E-04	9.92E-04
4984	641136.2	4164648.9	Worker	Scenario 4	8.55E-03	3.16E-04	1.14E-03
4985	641236.2	4164648.9	Worker	Scenario 4	8.78E-03	3.23E-04	5.48E-04
4986	641336.2	4164648.9	Worker	Scenario 4	9.33E-03	3.40E-04	7.10E-04
4987	641436.2	4164648.9	Worker	Scenario 4	9.25E-03	3.38E-04	8.43E-04
4988	641536.2	4164648.9	Worker	Scenario 4	9.53E-03	3.47E-04	8.17E-04
4989	641636.2	4164648.9	Worker	Scenario 4	9.90E-03	3.59E-04	6.71E-04
4990	641736.2	4164648.9	Worker	Scenario 4	1.04E-02	3.73E-04	8.29E-04
4991	641836.2	4164648.9	Worker	Scenario 4	1.17E-02	4.11E-04	1.80E-03
4992	641936.2	4164648.9	Worker	Scenario 4	1.32E-02	4.52E-04	1.63E-03
4993	642036.2	4164648.9	Worker	Scenario 4	1.25E-02	4.36E-04	1.27E-03
4994	642136.2	4164648.9	Worker	Scenario 4	1.23E-02	4.32E-04	1.29E-03
4995	642236.2	4164648.9	Worker	Scenario 4	1.25E-02	4.40E-04	1.10E-03
4996	642336.2	4164648.9	Worker	Scenario 4	1.29E-02	4.52E-04	8.07E-04
4997	642436.2	4164648.9	Worker	Scenario 4	1.42E-02	4.88E-04	1.32E-03
4998	642536.2	4164648.9	Worker	Scenario 4	1.60E-02	5.34E-04	2.95E-03
4999	642636.2	4164648.9	Worker	Scenario 4	1.45E-02	5.01E-04	1.25E-03
5000	642736.2	4164648.9	Worker	Scenario 4	1.47E-02	5.07E-04	7.26E-04
5001	642836.2	4164648.9	Worker	Scenario 4	1.64E-02	5.51E-04	1.33E-03
5002	642936.2	4164648.9	Worker	Scenario 4	1.86E-02	6.03E-04	2.58E-03
5003	643036.2	4164648.9	Worker	Scenario 4	1.95E-02	6.27E-04	3.09E-03
5004	643136.2	4164648.9	Worker	Scenario 4	1.99E-02	6.39E-04	3.02E-03
5005	643236.2	4164648.9	Worker	Scenario 4	2.17E-02	6.77E-04	3.58E-03
5006	643336.2	4164648.9	Worker	Scenario 4	2.26E-02	6.97E-04	3.57E-03
5007	643436.2	4164648.9	Worker	Scenario 4	2.38E-02	7.22E-04	4.24E-03
5008	643536.2	4164648.9	Worker	Scenario 4	2.47E-02	7.41E-04	4.22E-03
5009	643636.2	4164648.9	Worker	Scenario 4	2.53E-02	7.52E-04	3.92E-03
5010	643736.2	4164648.9	Worker	Scenario 4	2.60E-02	7.64E-04	3.55E-03
5011	643836.2	4164648.9	Worker	Scenario 4	2.63E-02	7.70E-04	3.18E-03
5012	644136.2	4164648.9	Worker	Scenario 4	2.70E-02	7.78E-04	3.42E-03
5013	644236.2	4164648.9	Worker	Scenario 4	2.71E-02	7.77E-04	3.38E-03
5014	644336.2	4164648.9	Worker	Scenario 4	2.73E-02	7.79E-04	2.94E-03
5015	644436.2	4164648.9	Worker	Scenario 4	2.73E-02	7.76E-04	2.70E-03
5016	644536.2	4164648.9	Worker	Scenario 4	2.73E-02	7.72E-04	2.45E-03
5017	644736.2	4164648.9	Worker	Scenario 4	2.73E-02	7.62E-04	2.13E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5018	644836.2	4164648.9	Worker	Scenario 4	2.73E-02	7.55E-04	2.04E-03
5019	644936.2	4164648.9	Worker	Scenario 4	2.72E-02	7.47E-04	2.23E-03
5020	645036.2	4164648.9	Worker	Scenario 4	2.71E-02	7.38E-04	2.32E-03
5021	645136.2	4164648.9	Worker	Scenario 4	2.69E-02	7.27E-04	2.52E-03
5022	645236.2	4164648.9	Worker	Scenario 4	2.69E-02	7.20E-04	2.04E-03
5023	640336.2	4164748.9	Worker	Scenario 4	9.94E-03	3.46E-04	2.99E-03
5024	640436.2	4164748.9	Worker	Scenario 4	8.05E-03	2.98E-04	1.52E-03
5025	640536.2	4164748.9	Worker	Scenario 4	7.77E-03	2.90E-04	7.43E-04
5026	640636.2	4164748.9	Worker	Scenario 4	8.09E-03	3.00E-04	1.05E-03
5027	640736.2	4164748.9	Worker	Scenario 4	8.14E-03	3.02E-04	9.06E-04
5028	640836.2	4164748.9	Worker	Scenario 4	8.36E-03	3.10E-04	9.32E-04
5029	640936.2	4164748.9	Worker	Scenario 4	8.79E-03	3.23E-04	1.13E-03
5030	641036.2	4164748.9	Worker	Scenario 4	8.63E-03	3.20E-04	9.04E-04
5031	641136.2	4164748.9	Worker	Scenario 4	8.87E-03	3.27E-04	1.25E-03
5032	641236.2	4164748.9	Worker	Scenario 4	9.22E-03	3.38E-04	6.36E-04
5033	641336.2	4164748.9	Worker	Scenario 4	9.68E-03	3.52E-04	7.23E-04
5034	641436.2	4164748.9	Worker	Scenario 4	9.65E-03	3.52E-04	8.67E-04
5035	641536.2	4164748.9	Worker	Scenario 4	9.99E-03	3.63E-04	8.38E-04
5036	641636.2	4164748.9	Worker	Scenario 4	1.04E-02	3.77E-04	7.07E-04
5037	641736.2	4164748.9	Worker	Scenario 4	1.08E-02	3.89E-04	8.67E-04
5038	641836.2	4164748.9	Worker	Scenario 4	1.15E-02	4.10E-04	9.16E-04
5039	641936.2	4164748.9	Worker	Scenario 4	1.32E-02	4.58E-04	1.40E-03
5040	642036.2	4164748.9	Worker	Scenario 4	1.31E-02	4.56E-04	1.33E-03
5041	642136.2	4164748.9	Worker	Scenario 4	1.28E-02	4.49E-04	1.29E-03
5042	642236.2	4164748.9	Worker	Scenario 4	1.37E-02	4.75E-04	1.05E-03
5043	642336.2	4164748.9	Worker	Scenario 4	1.39E-02	4.84E-04	9.20E-04
5044	642436.2	4164748.9	Worker	Scenario 4	1.42E-02	4.93E-04	1.08E-03
5045	642536.2	4164748.9	Worker	Scenario 4	1.66E-02	5.56E-04	2.89E-03
5046	642636.2	4164748.9	Worker	Scenario 4	1.59E-02	5.41E-04	1.41E-03
5047	642736.2	4164748.9	Worker	Scenario 4	1.57E-02	5.37E-04	7.78E-04
5048	642836.2	4164748.9	Worker	Scenario 4	1.64E-02	5.59E-04	1.11E-03
5049	642936.2	4164748.9	Worker	Scenario 4	1.81E-02	6.01E-04	2.24E-03
5050	643036.2	4164748.9	Worker	Scenario 4	2.09E-02	6.67E-04	3.34E-03
5051	643136.2	4164748.9	Worker	Scenario 4	2.14E-02	6.81E-04	3.28E-03
5052	643236.2	4164748.9	Worker	Scenario 4	2.33E-02	7.22E-04	3.83E-03
5053	643336.2	4164748.9	Worker	Scenario 4	2.41E-02	7.39E-04	4.20E-03
5054	643436.2	4164748.9	Worker	Scenario 4	2.50E-02	7.57E-04	3.99E-03
5055	643536.2	4164748.9	Worker	Scenario 4	2.60E-02	7.78E-04	4.24E-03
5056	643636.2	4164748.9	Worker	Scenario 4	2.68E-02	7.92E-04	3.71E-03
5057	643736.2	4164748.9	Worker	Scenario 4	2.73E-02	8.00E-04	3.36E-03
5058	644036.2	4164748.9	Worker	Scenario 4	2.81E-02	8.10E-04	3.67E-03
5059	644136.2	4164748.9	Worker	Scenario 4	2.85E-02	8.15E-04	3.52E-03
5060	644236.2	4164748.9	Worker	Scenario 4	2.85E-02	8.13E-04	3.11E-03
5061	644336.2	4164748.9	Worker	Scenario 4	2.86E-02	8.11E-04	2.88E-03
5062	644436.2	4164748.9	Worker	Scenario 4	2.86E-02	8.08E-04	2.50E-03
5063	644536.2	4164748.9	Worker	Scenario 4	2.86E-02	8.03E-04	2.16E-03
5064	644736.2	4164748.9	Worker	Scenario 4	2.86E-02	7.91E-04	2.22E-03
5065	644836.2	4164748.9	Worker	Scenario 4	2.86E-02	7.83E-04	2.38E-03
5066	644936.2	4164748.9	Worker	Scenario 4	2.85E-02	7.74E-04	2.53E-03
5067	645036.2	4164748.9	Worker	Scenario 4	2.80E-02	7.57E-04	2.95E-03
5068	645136.2	4164748.9	Worker	Scenario 4	2.82E-02	7.53E-04	2.19E-03
5069	645236.2	4164748.9	Worker	Scenario 4	2.81E-02	7.43E-04	1.76E-03
5070	645336.2	4164748.9	Worker	Scenario 4	2.78E-02	7.31E-04	1.56E-03
5071	645436.2	4164748.9	Worker	Scenario 4	2.79E-02	7.24E-04	1.29E-03
5072	640136.2	4164848.9	Worker	Scenario 4	7.54E-03	2.82E-04	9.32E-04
5073	640236.2	4164848.9	Worker	Scenario 4	8.71E-03	3.16E-04	1.29E-03
5074	640336.2	4164848.9	Worker	Scenario 4	1.04E-02	3.62E-04	3.08E-03
5075	640436.2	4164848.9	Worker	Scenario 4	8.41E-03	3.10E-04	1.42E-03
5076	640536.2	4164848.9	Worker	Scenario 4	7.98E-03	2.99E-04	8.07E-04
5077	640636.2	4164848.9	Worker	Scenario 4	8.31E-03	3.09E-04	8.55E-04
5078	640736.2	4164848.9	Worker	Scenario 4	8.77E-03	3.23E-04	1.31E-03
5079	640836.2	4164848.9	Worker	Scenario 4	8.73E-03	3.23E-04	8.46E-04
5080	640936.2	4164848.9	Worker	Scenario 4	9.21E-03	3.38E-04	1.17E-03
5081	641036.2	4164848.9	Worker	Scenario 4	8.98E-03	3.32E-04	9.08E-04
5082	641136.2	4164848.9	Worker	Scenario 4	9.23E-03	3.41E-04	1.36E-03
5083	641236.2	4164848.9	Worker	Scenario 4	9.62E-03	3.53E-04	6.88E-04
5084	641336.2	4164848.9	Worker	Scenario 4	1.01E-02	3.66E-04	7.37E-04
5085	641436.2	4164848.9	Worker	Scenario 4	1.02E-02	3.70E-04	8.93E-04
5086	641536.2	4164848.9	Worker	Scenario 4	1.04E-02	3.80E-04	8.61E-04
5087	641636.2	4164848.9	Worker	Scenario 4	1.08E-02	3.91E-04	7.10E-04

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
5088	641736.2	4164848.9	Worker	Scenario 4	1.15E-02	4.12E-04	9.04E-04
5089	641836.2	4164848.9	Worker	Scenario 4	1.20E-02	4.29E-04	9.61E-04
5090	641936.2	4164848.9	Worker	Scenario 4	1.31E-02	4.61E-04	1.25E-03
5091	642036.2	4164848.9	Worker	Scenario 4	1.60E-02	5.32E-04	2.31E-03
5092	642136.2	4164848.9	Worker	Scenario 4	1.36E-02	4.77E-04	1.28E-03
5093	642236.2	4164848.9	Worker	Scenario 4	1.41E-02	4.92E-04	9.92E-04
5094	642336.2	4164848.9	Worker	Scenario 4	1.56E-02	5.34E-04	1.31E-03
5095	642436.2	4164848.9	Worker	Scenario 4	1.51E-02	5.21E-04	1.04E-03
5096	642536.2	4164848.9	Worker	Scenario 4	1.63E-02	5.55E-04	1.79E-03
5097	642636.2	4164848.9	Worker	Scenario 4	1.77E-02	5.93E-04	1.72E-03
5098	642736.2	4164848.9	Worker	Scenario 4	1.67E-02	5.71E-04	9.05E-04
5099	642836.2	4164848.9	Worker	Scenario 4	1.75E-02	5.91E-04	1.24E-03
5100	642936.2	4164848.9	Worker	Scenario 4	1.88E-02	6.27E-04	2.42E-03
5101	643036.2	4164848.9	Worker	Scenario 4	2.02E-02	6.62E-04	2.80E-03
5102	643136.2	4164848.9	Worker	Scenario 4	2.43E-02	7.53E-04	4.05E-03
5103	643236.2	4164848.9	Worker	Scenario 4	2.47E-02	7.62E-04	3.99E-03
5104	643336.2	4164848.9	Worker	Scenario 4	2.60E-02	7.90E-04	4.10E-03
5105	643436.2	4164848.9	Worker	Scenario 4	2.68E-02	8.07E-04	4.52E-03
5106	643536.2	4164848.9	Worker	Scenario 4	2.75E-02	8.18E-04	3.77E-03
5107	643636.2	4164848.9	Worker	Scenario 4	2.83E-02	8.32E-04	3.54E-03
5108	643936.2	4164848.9	Worker	Scenario 4	2.95E-02	8.50E-04	3.87E-03
5109	644036.2	4164848.9	Worker	Scenario 4	2.97E-02	8.52E-04	3.79E-03
5110	644136.2	4164848.9	Worker	Scenario 4	3.00E-02	8.53E-04	3.25E-03
5111	644236.2	4164848.9	Worker	Scenario 4	3.00E-02	8.50E-04	3.03E-03
5112	644336.2	4164848.9	Worker	Scenario 4	3.00E-02	8.46E-04	2.62E-03
5113	644436.2	4164848.9	Worker	Scenario 4	3.00E-02	8.42E-04	2.37E-03
5114	644536.2	4164848.9	Worker	Scenario 4	3.00E-02	8.36E-04	2.41E-03
5115	644736.2	4164848.9	Worker	Scenario 4	3.01E-02	8.22E-04	2.57E-03
5116	644836.2	4164848.9	Worker	Scenario 4	2.98E-02	8.09E-04	2.98E-03
5117	644936.2	4164848.9	Worker	Scenario 4	2.97E-02	7.99E-04	2.85E-03
5118	645036.2	4164848.9	Worker	Scenario 4	2.97E-02	7.91E-04	2.22E-03
5119	645136.2	4164848.9	Worker	Scenario 4	2.95E-02	7.79E-04	1.80E-03
5120	645236.2	4164848.9	Worker	Scenario 4	2.93E-02	7.67E-04	1.70E-03
5121	645336.2	4164848.9	Worker	Scenario 4	2.90E-02	7.54E-04	1.64E-03
5122	645436.2	4164848.9	Worker	Scenario 4	2.87E-02	7.41E-04	1.46E-03
5123	645536.2	4164848.9	Worker	Scenario 4	2.85E-02	7.30E-04	1.13E-03
5124	645636.2	4164848.9	Worker	Scenario 4	2.88E-02	7.20E-04	1.18E-03
5125	645736.2	4164848.9	Worker	Scenario 4	2.84E-02	7.05E-04	1.19E-03
5126	640036.2	4164948.9	Worker	Scenario 4	7.31E-03	2.75E-04	7.41E-04
5127	640136.2	4164948.9	Worker	Scenario 4	7.98E-03	2.96E-04	8.96E-04
5128	640236.2	4164948.9	Worker	Scenario 4	9.17E-03	3.31E-04	1.83E-03
5129	640336.2	4164948.9	Worker	Scenario 4	1.09E-02	3.77E-04	3.28E-03
5130	640436.2	4164948.9	Worker	Scenario 4	9.50E-03	3.43E-04	2.05E-03
5131	640536.2	4164948.9	Worker	Scenario 4	8.30E-03	3.10E-04	8.30E-04
5132	640636.2	4164948.9	Worker	Scenario 4	8.48E-03	3.16E-04	7.31E-04
5133	640736.2	4164948.9	Worker	Scenario 4	8.79E-03	3.27E-04	1.21E-03
5134	640836.2	4164948.9	Worker	Scenario 4	9.42E-03	3.45E-04	8.79E-04
5135	640936.2	4164948.9	Worker	Scenario 4	9.89E-03	3.60E-04	2.35E-03
5136	641036.2	4164948.9	Worker	Scenario 4	9.37E-03	3.46E-04	1.03E-03
5137	641136.2	4164948.9	Worker	Scenario 4	9.61E-03	3.54E-04	1.44E-03
5138	641236.2	4164948.9	Worker	Scenario 4	1.01E-02	3.70E-04	7.83E-04
5139	641336.2	4164948.9	Worker	Scenario 4	1.05E-02	3.82E-04	7.51E-04
5140	641436.2	4164948.9	Worker	Scenario 4	1.08E-02	3.91E-04	1.02E-03
5141	641536.2	4164948.9	Worker	Scenario 4	1.10E-02	3.98E-04	8.86E-04
5142	641636.2	4164948.9	Worker	Scenario 4	1.13E-02	4.09E-04	7.45E-04
5143	641736.2	4164948.9	Worker	Scenario 4	1.19E-02	4.29E-04	9.42E-04
5144	641836.2	4164948.9	Worker	Scenario 4	1.35E-02	4.72E-04	1.57E-03
5145	641936.2	4164948.9	Worker	Scenario 4	1.35E-02	4.74E-04	1.34E-03
5146	642036.2	4164948.9	Worker	Scenario 4	1.69E-02	5.60E-04	2.65E-03
5147	642136.2	4164948.9	Worker	Scenario 4	1.45E-02	5.06E-04	1.25E-03
5148	642236.2	4164948.9	Worker	Scenario 4	1.48E-02	5.14E-04	9.22E-04
5149	642336.2	4164948.9	Worker	Scenario 4	1.61E-02	5.53E-04	1.37E-03
5150	642436.2	4164948.9	Worker	Scenario 4	1.73E-02	5.86E-04	2.52E-03
5151	642536.2	4164948.9	Worker	Scenario 4	1.76E-02	5.96E-04	1.73E-03
5152	642636.2	4164948.9	Worker	Scenario 4	1.96E-02	6.47E-04	2.04E-03
5153	642736.2	4164948.9	Worker	Scenario 4	1.86E-02	6.26E-04	1.39E-03
5154	642836.2	4164948.9	Worker	Scenario 4	1.86E-02	6.29E-04	1.68E-03
5155	642936.2	4164948.9	Worker	Scenario 4	1.99E-02	6.64E-04	2.45E-03
5156	643036.2	4164948.9	Worker	Scenario 4	2.13E-02	6.98E-04	2.90E-03
5157	643136.2	4164948.9	Worker	Scenario 4	2.58E-02	7.98E-04	4.00E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5158	643236.2	4164948.9	Worker	Scenario 4	2.67E-02	8.18E-04	4.46E-03
5159	643336.2	4164948.9	Worker	Scenario 4	2.80E-02	8.44E-04	4.80E-03
5160	643436.2	4164948.9	Worker	Scenario 4	2.88E-02	8.59E-04	3.90E-03
5161	643536.2	4164948.9	Worker	Scenario 4	2.94E-02	8.69E-04	3.75E-03
5162	643736.2	4164948.9	Worker	Scenario 4	3.03E-02	8.82E-04	4.58E-03
5163	643836.2	4164948.9	Worker	Scenario 4	3.10E-02	8.92E-04	4.12E-03
5164	643936.2	4164948.9	Worker	Scenario 4	3.13E-02	8.96E-04	3.99E-03
5165	644036.2	4164948.9	Worker	Scenario 4	3.16E-02	8.97E-04	3.38E-03
5166	644136.2	4164948.9	Worker	Scenario 4	3.15E-02	8.92E-04	3.24E-03
5167	644236.2	4164948.9	Worker	Scenario 4	3.15E-02	8.88E-04	2.71E-03
5168	644336.2	4164948.9	Worker	Scenario 4	3.16E-02	8.85E-04	2.56E-03
5169	644436.2	4164948.9	Worker	Scenario 4	3.16E-02	8.79E-04	2.54E-03
5170	644536.2	4164948.9	Worker	Scenario 4	3.17E-02	8.73E-04	2.64E-03
5171	644736.2	4164948.9	Worker	Scenario 4	3.16E-02	8.56E-04	2.85E-03
5172	644836.2	4164948.9	Worker	Scenario 4	3.16E-02	8.45E-04	2.59E-03
5173	644936.2	4164948.9	Worker	Scenario 4	3.07E-02	8.17E-04	2.72E-03
5174	645036.2	4164948.9	Worker	Scenario 4	3.11E-02	8.19E-04	1.95E-03
5175	645136.2	4164948.9	Worker	Scenario 4	3.10E-02	8.07E-04	1.83E-03
5176	645236.2	4164948.9	Worker	Scenario 4	3.06E-02	7.92E-04	1.76E-03
5177	645336.2	4164948.9	Worker	Scenario 4	3.04E-02	7.80E-04	1.24E-03
5178	645436.2	4164948.9	Worker	Scenario 4	3.01E-02	7.67E-04	1.24E-03
5179	645536.2	4164948.9	Worker	Scenario 4	3.04E-02	7.57E-04	1.27E-03
5180	645636.2	4164948.9	Worker	Scenario 4	2.99E-02	7.41E-04	1.25E-03
5181	645736.2	4164948.9	Worker	Scenario 4	2.95E-02	7.25E-04	1.26E-03
5182	645836.2	4164948.9	Worker	Scenario 4	2.91E-02	7.09E-04	1.22E-03
5183	639836.2	4165048.9	Worker	Scenario 4	7.44E-03	2.79E-04	5.61E-04
5184	639936.2	4165048.9	Worker	Scenario 4	7.33E-03	2.77E-04	5.95E-04
5185	640036.2	4165048.9	Worker	Scenario 4	7.71E-03	2.89E-04	7.41E-04
5186	640136.2	4165048.9	Worker	Scenario 4	7.99E-03	2.99E-04	8.43E-04
5187	640236.2	4165048.9	Worker	Scenario 4	8.78E-03	3.22E-04	1.28E-03
5188	640336.2	4165048.9	Worker	Scenario 4	1.07E-02	3.75E-04	2.57E-03
5189	640436.2	4165048.9	Worker	Scenario 4	1.14E-02	3.95E-04	3.31E-03
5190	640536.2	4165048.9	Worker	Scenario 4	8.77E-03	3.27E-04	8.10E-04
5191	640636.2	4165048.9	Worker	Scenario 4	8.94E-03	3.33E-04	8.57E-04
5192	640736.2	4165048.9	Worker	Scenario 4	9.03E-03	3.36E-04	1.09E-03
5193	640836.2	4165048.9	Worker	Scenario 4	9.41E-03	3.48E-04	1.01E-03
5194	640936.2	4165048.9	Worker	Scenario 4	1.05E-02	3.80E-04	2.30E-03
5195	641036.2	4165048.9	Worker	Scenario 4	9.77E-03	3.61E-04	1.14E-03
5196	641136.2	4165048.9	Worker	Scenario 4	1.00E-02	3.69E-04	1.48E-03
5197	641236.2	4165048.9	Worker	Scenario 4	1.06E-02	3.88E-04	9.34E-04
5198	641336.2	4165048.9	Worker	Scenario 4	1.08E-02	3.93E-04	7.66E-04
5199	641436.2	4165048.9	Worker	Scenario 4	1.21E-02	4.32E-04	1.88E-03
5200	641536.2	4165048.9	Worker	Scenario 4	1.20E-02	4.32E-04	1.82E-03
5201	641636.2	4165048.9	Worker	Scenario 4	1.20E-02	4.32E-04	8.09E-04
5202	641736.2	4165048.9	Worker	Scenario 4	1.25E-02	4.47E-04	9.83E-04
5203	641836.2	4165048.9	Worker	Scenario 4	1.33E-02	4.73E-04	1.14E-03
5204	641936.2	4165048.9	Worker	Scenario 4	1.59E-02	5.42E-04	1.95E-03
5205	642036.2	4165048.9	Worker	Scenario 4	1.64E-02	5.58E-04	2.24E-03
5206	642136.2	4165048.9	Worker	Scenario 4	1.71E-02	5.78E-04	2.25E-03
5207	642236.2	4165048.9	Worker	Scenario 4	1.58E-02	5.47E-04	1.00E-03
5208	642336.2	4165048.9	Worker	Scenario 4	1.65E-02	5.70E-04	1.21E-03
5209	642436.2	4165048.9	Worker	Scenario 4	1.77E-02	6.04E-04	1.78E-03
5210	642536.2	4165048.9	Worker	Scenario 4	2.13E-02	6.90E-04	3.15E-03
5211	642636.2	4165048.9	Worker	Scenario 4	2.29E-02	7.29E-04	3.34E-03
5212	642736.2	4165048.9	Worker	Scenario 4	2.14E-02	7.03E-04	2.50E-03
5213	642836.2	4165048.9	Worker	Scenario 4	2.02E-02	6.78E-04	2.17E-03
5214	642936.2	4165048.9	Worker	Scenario 4	2.16E-02	7.14E-04	2.68E-03
5215	643036.2	4165048.9	Worker	Scenario 4	2.53E-02	8.00E-04	3.76E-03
5216	643136.2	4165048.9	Worker	Scenario 4	2.75E-02	8.48E-04	4.62E-03
5217	643236.2	4165048.9	Worker	Scenario 4	3.01E-02	9.01E-04	5.20E-03
5218	643336.2	4165048.9	Worker	Scenario 4	3.03E-02	9.04E-04	4.32E-03
5219	643436.2	4165048.9	Worker	Scenario 4	3.12E-02	9.21E-04	3.99E-03
5220	643636.2	4165048.9	Worker	Scenario 4	3.19E-02	9.29E-04	4.87E-03
5221	643736.2	4165048.9	Worker	Scenario 4	3.24E-02	9.35E-04	4.40E-03
5222	643836.2	4165048.9	Worker	Scenario 4	3.31E-02	9.46E-04	4.20E-03
5223	643936.2	4165048.9	Worker	Scenario 4	3.34E-02	9.47E-04	3.50E-03
5224	644036.2	4165048.9	Worker	Scenario 4	3.33E-02	9.41E-04	3.36E-03
5225	644136.2	4165048.9	Worker	Scenario 4	3.33E-02	9.36E-04	2.76E-03
5226	644236.2	4165048.9	Worker	Scenario 4	3.33E-02	9.30E-04	2.81E-03
5227	644336.2	4165048.9	Worker	Scenario 4	3.34E-02	9.25E-04	2.70E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5228	644436.2	4165048.9	Worker	Scenario 4	3.34E-02	9.19E-04	2.94E-03
5229	644536.2	4165048.9	Worker	Scenario 4	3.34E-02	9.11E-04	3.09E-03
5230	644736.2	4165048.9	Worker	Scenario 4	3.34E-02	8.92E-04	2.59E-03
5231	644836.2	4165048.9	Worker	Scenario 4	3.33E-02	8.81E-04	2.06E-03
5232	644936.2	4165048.9	Worker	Scenario 4	3.31E-02	8.67E-04	1.97E-03
5233	645036.2	4165048.9	Worker	Scenario 4	3.29E-02	8.53E-04	1.85E-03
5234	645136.2	4165048.9	Worker	Scenario 4	3.25E-02	8.38E-04	1.66E-03
5235	645236.2	4165048.9	Worker	Scenario 4	3.21E-02	8.21E-04	1.78E-03
5236	645336.2	4165048.9	Worker	Scenario 4	3.26E-02	8.16E-04	1.34E-03
5237	645436.2	4165048.9	Worker	Scenario 4	3.22E-02	7.99E-04	1.34E-03
5238	645536.2	4165048.9	Worker	Scenario 4	3.17E-02	7.81E-04	1.34E-03
5239	645636.2	4165048.9	Worker	Scenario 4	3.12E-02	7.64E-04	1.31E-03
5240	645736.2	4165048.9	Worker	Scenario 4	3.07E-02	7.47E-04	1.28E-03
5241	646036.2	4165048.9	Worker	Scenario 4	2.91E-02	6.96E-04	1.16E-03
5242	639736.2	4165148.9	Worker	Scenario 4	7.38E-03	2.78E-04	5.92E-04
5243	639836.2	4165148.9	Worker	Scenario 4	7.74E-03	2.89E-04	5.89E-04
5244	639936.2	4165148.9	Worker	Scenario 4	7.57E-03	2.85E-04	4.90E-04
5245	640036.2	4165148.9	Worker	Scenario 4	7.80E-03	2.93E-04	6.76E-04
5246	640136.2	4165148.9	Worker	Scenario 4	8.25E-03	3.08E-04	8.02E-04
5247	640236.2	4165148.9	Worker	Scenario 4	8.61E-03	3.20E-04	9.45E-04
5248	640336.2	4165148.9	Worker	Scenario 4	1.03E-02	3.68E-04	2.25E-03
5249	640436.2	4165148.9	Worker	Scenario 4	1.24E-02	4.23E-04	3.87E-03
5250	640536.2	4165148.9	Worker	Scenario 4	9.48E-03	3.50E-04	1.43E-03
5251	640636.2	4165148.9	Worker	Scenario 4	9.50E-03	3.52E-04	1.78E-03
5252	640736.2	4165148.9	Worker	Scenario 4	9.42E-03	3.51E-04	9.21E-04
5253	640836.2	4165148.9	Worker	Scenario 4	9.77E-03	3.62E-04	1.26E-03
5254	640936.2	4165148.9	Worker	Scenario 4	1.11E-02	4.00E-04	2.17E-03
5255	641036.2	4165148.9	Worker	Scenario 4	1.02E-02	3.77E-04	1.25E-03
5256	641136.2	4165148.9	Worker	Scenario 4	1.05E-02	3.87E-04	1.48E-03
5257	641236.2	4165148.9	Worker	Scenario 4	1.09E-02	3.99E-04	1.04E-03
5258	641336.2	4165148.9	Worker	Scenario 4	1.18E-02	4.24E-04	1.56E-03
5259	641436.2	4165148.9	Worker	Scenario 4	1.21E-02	4.35E-04	1.96E-03
5260	641536.2	4165148.9	Worker	Scenario 4	1.28E-02	4.56E-04	1.87E-03
5261	641636.2	4165148.9	Worker	Scenario 4	1.27E-02	4.58E-04	8.89E-04
5262	641736.2	4165148.9	Worker	Scenario 4	1.33E-02	4.74E-04	1.03E-03
5263	641836.2	4165148.9	Worker	Scenario 4	1.39E-02	4.94E-04	1.25E-03
5264	641936.2	4165148.9	Worker	Scenario 4	1.51E-02	5.29E-04	1.50E-03
5265	642036.2	4165148.9	Worker	Scenario 4	1.80E-02	6.04E-04	2.78E-03
5266	642136.2	4165148.9	Worker	Scenario 4	2.06E-02	6.69E-04	3.23E-03
5267	642236.2	4165148.9	Worker	Scenario 4	1.71E-02	5.91E-04	1.31E-03
5268	642336.2	4165148.9	Worker	Scenario 4	1.78E-02	6.10E-04	1.22E-03
5269	642436.2	4165148.9	Worker	Scenario 4	1.86E-02	6.36E-04	1.24E-03
5270	642536.2	4165148.9	Worker	Scenario 4	1.94E-02	6.58E-04	9.81E-04
5271	642636.2	4165148.9	Worker	Scenario 4	2.26E-02	7.37E-04	2.15E-03
5272	642736.2	4165148.9	Worker	Scenario 4	2.50E-02	7.94E-04	3.75E-03
5273	642836.2	4165148.9	Worker	Scenario 4	2.21E-02	7.33E-04	2.31E-03
5274	642936.2	4165148.9	Worker	Scenario 4	2.37E-02	7.76E-04	2.97E-03
5275	643036.2	4165148.9	Worker	Scenario 4	2.81E-02	8.74E-04	4.29E-03
5276	643136.2	4165148.9	Worker	Scenario 4	3.03E-02	9.22E-04	4.89E-03
5277	643236.2	4165148.9	Worker	Scenario 4	3.16E-02	9.47E-04	4.84E-03
5278	643336.2	4165148.9	Worker	Scenario 4	3.31E-02	9.76E-04	4.39E-03
5279	643536.2	4165148.9	Worker	Scenario 4	3.41E-02	9.90E-04	5.18E-03
5280	643636.2	4165148.9	Worker	Scenario 4	3.48E-02	9.99E-04	4.59E-03
5281	643736.2	4165148.9	Worker	Scenario 4	3.54E-02	1.01E-03	4.29E-03
5282	643836.2	4165148.9	Worker	Scenario 4	3.55E-02	1.00E-03	3.59E-03
5283	643936.2	4165148.9	Worker	Scenario 4	3.54E-02	9.98E-04	3.46E-03
5284	644036.2	4165148.9	Worker	Scenario 4	3.54E-02	9.91E-04	2.77E-03
5285	644136.2	4165148.9	Worker	Scenario 4	3.53E-02	9.84E-04	2.94E-03
5286	644236.2	4165148.9	Worker	Scenario 4	3.53E-02	9.77E-04	2.99E-03
5287	644336.2	4165148.9	Worker	Scenario 4	3.54E-02	9.70E-04	3.20E-03
5288	644436.2	4165148.9	Worker	Scenario 4	3.54E-02	9.62E-04	3.33E-03
5289	644536.2	4165148.9	Worker	Scenario 4	3.54E-02	9.53E-04	3.10E-03
5290	644736.2	4165148.9	Worker	Scenario 4	3.53E-02	9.31E-04	2.15E-03
5291	644836.2	4165148.9	Worker	Scenario 4	3.51E-02	9.18E-04	2.09E-03
5292	644936.2	4165148.9	Worker	Scenario 4	3.49E-02	9.04E-04	1.86E-03
5293	645036.2	4165148.9	Worker	Scenario 4	3.46E-02	8.88E-04	1.73E-03
5294	645136.2	4165148.9	Worker	Scenario 4	3.40E-02	8.68E-04	1.90E-03
5295	645236.2	4165148.9	Worker	Scenario 4	3.37E-02	8.53E-04	1.44E-03
5296	645336.2	4165148.9	Worker	Scenario 4	3.40E-02	8.44E-04	1.43E-03
5297	645436.2	4165148.9	Worker	Scenario 4	3.36E-02	8.25E-04	1.41E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5298	645536.2	4165148.9	Worker	Scenario 4	3.31E-02	8.07E-04	1.36E-03
5299	645636.2	4165148.9	Worker	Scenario 4	3.26E-02	7.88E-04	1.32E-03
5300	645736.2	4165148.9	Worker	Scenario 4	3.16E-02	7.66E-04	1.25E-03
5301	645936.2	4165148.9	Worker	Scenario 4	3.07E-02	7.32E-04	1.24E-03
5302	646036.2	4165148.9	Worker	Scenario 4	3.04E-02	7.17E-04	1.19E-03
5303	646136.2	4165148.9	Worker	Scenario 4	3.00E-02	7.01E-04	1.12E-03
5304	639636.2	4165248.9	Worker	Scenario 4	7.21E-03	2.73E-04	5.52E-04
5305	639736.2	4165248.9	Worker	Scenario 4	7.45E-03	2.81E-04	4.87E-04
5306	639836.2	4165248.9	Worker	Scenario 4	7.76E-03	2.92E-04	5.75E-04
5307	639936.2	4165248.9	Worker	Scenario 4	8.10E-03	3.03E-04	6.23E-04
5308	640036.2	4165248.9	Worker	Scenario 4	8.07E-03	3.04E-04	5.76E-04
5309	640136.2	4165248.9	Worker	Scenario 4	8.51E-03	3.18E-04	7.60E-04
5310	640236.2	4165248.9	Worker	Scenario 4	9.26E-03	3.41E-04	1.10E-03
5311	640336.2	4165248.9	Worker	Scenario 4	1.06E-02	3.80E-04	2.64E-03
5312	640436.2	4165248.9	Worker	Scenario 4	1.29E-02	4.38E-04	3.61E-03
5313	640536.2	4165248.9	Worker	Scenario 4	1.22E-02	4.25E-04	3.38E-03
5314	640636.2	4165248.9	Worker	Scenario 4	9.67E-03	3.60E-04	8.95E-04
5315	640736.2	4165248.9	Worker	Scenario 4	9.82E-03	3.66E-04	8.28E-04
5316	640836.2	4165248.9	Worker	Scenario 4	1.02E-02	3.79E-04	1.46E-03
5317	640936.2	4165248.9	Worker	Scenario 4	1.18E-02	4.24E-04	2.03E-03
5318	641036.2	4165248.9	Worker	Scenario 4	1.10E-02	4.02E-04	1.32E-03
5319	641136.2	4165248.9	Worker	Scenario 4	1.10E-02	4.05E-04	1.41E-03
5320	641236.2	4165248.9	Worker	Scenario 4	1.19E-02	4.31E-04	1.42E-03
5321	641336.2	4165248.9	Worker	Scenario 4	1.28E-02	4.58E-04	1.58E-03
5322	641436.2	4165248.9	Worker	Scenario 4	1.25E-02	4.51E-04	1.15E-03
5323	641536.2	4165248.9	Worker	Scenario 4	1.39E-02	4.92E-04	1.92E-03
5324	641636.2	4165248.9	Worker	Scenario 4	1.35E-02	4.84E-04	9.51E-04
5325	641736.2	4165248.9	Worker	Scenario 4	1.42E-02	5.06E-04	1.08E-03
5326	641836.2	4165248.9	Worker	Scenario 4	1.48E-02	5.25E-04	1.37E-03
5327	641936.2	4165248.9	Worker	Scenario 4	1.57E-02	5.51E-04	1.58E-03
5328	642036.2	4165248.9	Worker	Scenario 4	1.79E-02	6.13E-04	2.03E-03
5329	642136.2	4165248.9	Worker	Scenario 4	2.22E-02	7.17E-04	3.35E-03
5330	642236.2	4165248.9	Worker	Scenario 4	2.06E-02	6.88E-04	2.79E-03
5331	642336.2	4165248.9	Worker	Scenario 4	2.07E-02	6.93E-04	2.83E-03
5332	642436.2	4165248.9	Worker	Scenario 4	2.02E-02	6.84E-04	1.15E-03
5333	642536.2	4165248.9	Worker	Scenario 4	2.18E-02	7.30E-04	1.47E-03
5334	642636.2	4165248.9	Worker	Scenario 4	2.27E-02	7.56E-04	2.30E-03
5335	642736.2	4165248.9	Worker	Scenario 4	3.03E-02	9.24E-04	5.97E-03
5336	642836.2	4165248.9	Worker	Scenario 4	2.45E-02	8.02E-04	2.90E-03
5337	642936.2	4165248.9	Worker	Scenario 4	2.70E-02	8.64E-04	3.39E-03
5338	643036.2	4165248.9	Worker	Scenario 4	3.13E-02	9.59E-04	4.75E-03
5339	643136.2	4165248.9	Worker	Scenario 4	3.31E-02	9.96E-04	5.38E-03
5340	643436.2	4165248.9	Worker	Scenario 4	3.70E-02	1.07E-03	5.39E-03
5341	643536.2	4165248.9	Worker	Scenario 4	3.76E-02	1.08E-03	4.65E-03
5342	643636.2	4165248.9	Worker	Scenario 4	3.79E-02	1.08E-03	4.36E-03
5343	643736.2	4165248.9	Worker	Scenario 4	3.78E-02	1.07E-03	3.71E-03
5344	643836.2	4165248.9	Worker	Scenario 4	3.78E-02	1.06E-03	3.50E-03
5345	643936.2	4165248.9	Worker	Scenario 4	3.77E-02	1.05E-03	2.91E-03
5346	644036.2	4165248.9	Worker	Scenario 4	3.76E-02	1.05E-03	3.02E-03
5347	644136.2	4165248.9	Worker	Scenario 4	3.76E-02	1.04E-03	3.22E-03
5348	644236.2	4165248.9	Worker	Scenario 4	3.76E-02	1.03E-03	3.47E-03
5349	644336.2	4165248.9	Worker	Scenario 4	3.76E-02	1.02E-03	3.50E-03
5350	644436.2	4165248.9	Worker	Scenario 4	3.77E-02	1.01E-03	3.11E-03
5351	644536.2	4165248.9	Worker	Scenario 4	3.76E-02	1.00E-03	2.50E-03
5352	644736.2	4165248.9	Worker	Scenario 4	3.74E-02	9.74E-04	2.17E-03
5353	644836.2	4165248.9	Worker	Scenario 4	3.72E-02	9.59E-04	1.98E-03
5354	644936.2	4165248.9	Worker	Scenario 4	3.69E-02	9.42E-04	1.83E-03
5355	645036.2	4165248.9	Worker	Scenario 4	3.65E-02	9.25E-04	1.55E-03
5356	645136.2	4165248.9	Worker	Scenario 4	3.60E-02	9.05E-04	1.53E-03
5357	645236.2	4165248.9	Worker	Scenario 4	3.55E-02	8.87E-04	1.52E-03
5358	645336.2	4165248.9	Worker	Scenario 4	3.50E-02	8.68E-04	1.47E-03
5359	645436.2	4165248.9	Worker	Scenario 4	3.45E-02	8.48E-04	1.43E-03
5360	645536.2	4165248.9	Worker	Scenario 4	3.39E-02	8.27E-04	1.34E-03
5361	645636.2	4165248.9	Worker	Scenario 4	3.34E-02	8.08E-04	1.33E-03
5362	645936.2	4165248.9	Worker	Scenario 4	3.22E-02	7.56E-04	1.18E-03
5363	646036.2	4165248.9	Worker	Scenario 4	3.18E-02	7.39E-04	1.17E-03
5364	646136.2	4165248.9	Worker	Scenario 4	3.14E-02	7.23E-04	1.16E-03
5365	639536.2	4165348.9	Worker	Scenario 4	7.23E-03	2.74E-04	6.64E-04
5366	639636.2	4165348.9	Worker	Scenario 4	7.59E-03	2.86E-04	6.48E-04
5367	639736.2	4165348.9	Worker	Scenario 4	7.60E-03	2.87E-04	5.62E-04

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5368	639836.2	4165348.9	Worker	Scenario 4	7.97E-03	3.00E-04	6.19E-04
5369	639936.2	4165348.9	Worker	Scenario 4	8.61E-03	3.19E-04	7.02E-04
5370	640036.2	4165348.9	Worker	Scenario 4	8.31E-03	3.13E-04	5.07E-04
5371	640136.2	4165348.9	Worker	Scenario 4	8.69E-03	3.26E-04	6.69E-04
5372	640236.2	4165348.9	Worker	Scenario 4	9.18E-03	3.42E-04	8.55E-04
5373	640336.2	4165348.9	Worker	Scenario 4	9.91E-03	3.64E-04	1.15E-03
5374	640436.2	4165348.9	Worker	Scenario 4	1.26E-02	4.37E-04	3.35E-03
5375	640536.2	4165348.9	Worker	Scenario 4	1.44E-02	4.81E-04	4.57E-03
5376	640636.2	4165348.9	Worker	Scenario 4	1.09E-02	3.98E-04	1.65E-03
5377	640736.2	4165348.9	Worker	Scenario 4	1.04E-02	3.85E-04	9.48E-04
5378	640836.2	4165348.9	Worker	Scenario 4	1.10E-02	4.05E-04	1.62E-03
5379	640936.2	4165348.9	Worker	Scenario 4	1.26E-02	4.50E-04	2.14E-03
5380	641036.2	4165348.9	Worker	Scenario 4	1.12E-02	4.14E-04	1.37E-03
5381	641136.2	4165348.9	Worker	Scenario 4	1.15E-02	4.24E-04	1.27E-03
5382	641236.2	4165348.9	Worker	Scenario 4	1.21E-02	4.43E-04	1.54E-03
5383	641336.2	4165348.9	Worker	Scenario 4	1.33E-02	4.77E-04	1.61E-03
5384	641436.2	4165348.9	Worker	Scenario 4	1.47E-02	5.15E-04	2.07E-03
5385	641536.2	4165348.9	Worker	Scenario 4	1.52E-02	5.32E-04	2.36E-03
5386	641636.2	4165348.9	Worker	Scenario 4	1.45E-02	5.19E-04	1.40E-03
5387	641736.2	4165348.9	Worker	Scenario 4	1.53E-02	5.41E-04	1.12E-03
5388	641836.2	4165348.9	Worker	Scenario 4	1.61E-02	5.66E-04	1.48E-03
5389	641936.2	4165348.9	Worker	Scenario 4	1.69E-02	5.91E-04	1.64E-03
5390	642036.2	4165348.9	Worker	Scenario 4	1.82E-02	6.29E-04	1.41E-03
5391	642136.2	4165348.9	Worker	Scenario 4	2.04E-02	6.91E-04	1.71E-03
5392	642236.2	4165348.9	Worker	Scenario 4	2.69E-02	8.39E-04	5.73E-03
5393	642336.2	4165348.9	Worker	Scenario 4	2.30E-02	7.62E-04	3.07E-03
5394	642436.2	4165348.9	Worker	Scenario 4	2.24E-02	7.52E-04	1.22E-03
5395	642536.2	4165348.9	Worker	Scenario 4	2.51E-02	8.21E-04	2.33E-03
5396	642636.2	4165348.9	Worker	Scenario 4	2.51E-02	8.27E-04	3.16E-03
5397	642736.2	4165348.9	Worker	Scenario 4	2.89E-02	9.14E-04	4.28E-03
5398	642836.2	4165348.9	Worker	Scenario 4	3.20E-02	9.86E-04	4.98E-03
5399	642936.2	4165348.9	Worker	Scenario 4	3.04E-02	9.56E-04	3.86E-03
5400	643036.2	4165348.9	Worker	Scenario 4	3.48E-02	1.05E-03	5.82E-03
5401	643236.2	4165348.9	Worker	Scenario 4	3.97E-02	1.15E-03	4.97E-03
5402	643336.2	4165348.9	Worker	Scenario 4	4.02E-02	1.16E-03	5.42E-03
5403	643436.2	4165348.9	Worker	Scenario 4	4.04E-02	1.16E-03	4.71E-03
5404	643536.2	4165348.9	Worker	Scenario 4	4.05E-02	1.15E-03	4.46E-03
5405	643636.2	4165348.9	Worker	Scenario 4	4.05E-02	1.14E-03	3.84E-03
5406	643736.2	4165348.9	Worker	Scenario 4	4.04E-02	1.13E-03	3.56E-03
5407	643836.2	4165348.9	Worker	Scenario 4	4.03E-02	1.12E-03	3.07E-03
5408	643936.2	4165348.9	Worker	Scenario 4	4.02E-02	1.11E-03	3.11E-03
5409	644036.2	4165348.9	Worker	Scenario 4	4.02E-02	1.11E-03	3.42E-03
5410	644136.2	4165348.9	Worker	Scenario 4	4.01E-02	1.10E-03	3.72E-03
5411	644236.2	4165348.9	Worker	Scenario 4	4.01E-02	1.09E-03	3.60E-03
5412	644336.2	4165348.9	Worker	Scenario 4	4.02E-02	1.08E-03	3.04E-03
5413	644436.2	4165348.9	Worker	Scenario 4	4.02E-02	1.06E-03	2.50E-03
5414	644536.2	4165348.9	Worker	Scenario 4	4.01E-02	1.05E-03	2.45E-03
5415	644736.2	4165348.9	Worker	Scenario 4	3.97E-02	1.02E-03	2.13E-03
5416	644836.2	4165348.9	Worker	Scenario 4	3.94E-02	1.00E-03	1.92E-03
5417	644936.2	4165348.9	Worker	Scenario 4	3.90E-02	9.86E-04	1.64E-03
5418	645036.2	4165348.9	Worker	Scenario 4	3.85E-02	9.66E-04	1.64E-03
5419	645136.2	4165348.9	Worker	Scenario 4	3.79E-02	9.44E-04	1.58E-03
5420	645236.2	4165348.9	Worker	Scenario 4	3.74E-02	9.22E-04	1.55E-03
5421	645336.2	4165348.9	Worker	Scenario 4	3.68E-02	9.01E-04	1.45E-03
5422	645436.2	4165348.9	Worker	Scenario 4	3.62E-02	8.80E-04	1.43E-03
5423	645536.2	4165348.9	Worker	Scenario 4	3.57E-02	8.59E-04	1.42E-03
5424	645636.2	4165348.9	Worker	Scenario 4	3.52E-02	8.38E-04	1.36E-03
5425	639436.2	4165448.9	Worker	Scenario 4	7.26E-03	2.75E-04	5.16E-04
5426	639536.2	4165448.9	Worker	Scenario 4	7.64E-03	2.88E-04	6.28E-04
5427	639636.2	4165448.9	Worker	Scenario 4	7.94E-03	2.98E-04	6.88E-04
5428	639736.2	4165448.9	Worker	Scenario 4	7.88E-03	2.98E-04	6.70E-04
5429	639836.2	4165448.9	Worker	Scenario 4	8.12E-03	3.06E-04	5.80E-04
5430	639936.2	4165448.9	Worker	Scenario 4	8.87E-03	3.29E-04	9.03E-04
5431	640036.2	4165448.9	Worker	Scenario 4	8.76E-03	3.28E-04	6.33E-04
5432	640136.2	4165448.9	Worker	Scenario 4	8.91E-03	3.34E-04	5.57E-04
5433	640236.2	4165448.9	Worker	Scenario 4	9.50E-03	3.53E-04	7.70E-04
5434	640336.2	4165448.9	Worker	Scenario 4	1.00E-02	3.70E-04	1.04E-03
5435	640436.2	4165448.9	Worker	Scenario 4	1.21E-02	4.30E-04	3.20E-03
5436	640536.2	4165448.9	Worker	Scenario 4	1.52E-02	5.06E-04	4.44E-03
5437	640636.2	4165448.9	Worker	Scenario 4	1.29E-02	4.54E-04	3.09E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5438	640736.2	4165448.9	Worker	Scenario 4	1.08E-02	4.02E-04	9.88E-04
5439	640836.2	4165448.9	Worker	Scenario 4	1.17E-02	4.28E-04	1.58E-03
5440	640936.2	4165448.9	Worker	Scenario 4	1.26E-02	4.55E-04	1.86E-03
5441	641036.2	4165448.9	Worker	Scenario 4	1.19E-02	4.37E-04	1.36E-03
5442	641136.2	4165448.9	Worker	Scenario 4	1.22E-02	4.48E-04	1.20E-03
5443	641236.2	4165448.9	Worker	Scenario 4	1.26E-02	4.62E-04	1.70E-03
5444	641336.2	4165448.9	Worker	Scenario 4	1.32E-02	4.78E-04	8.24E-04
5445	641436.2	4165448.9	Worker	Scenario 4	1.43E-02	5.13E-04	2.17E-03
5446	641536.2	4165448.9	Worker	Scenario 4	1.76E-02	6.01E-04	3.92E-03
5447	641636.2	4165448.9	Worker	Scenario 4	1.71E-02	5.95E-04	2.34E-03
5448	641736.2	4165448.9	Worker	Scenario 4	1.62E-02	5.75E-04	1.20E-03
5449	641836.2	4165448.9	Worker	Scenario 4	1.78E-02	6.22E-04	1.60E-03
5450	641936.2	4165448.9	Worker	Scenario 4	1.86E-02	6.46E-04	1.67E-03
5451	642036.2	4165448.9	Worker	Scenario 4	2.02E-02	6.93E-04	1.53E-03
5452	642136.2	4165448.9	Worker	Scenario 4	2.08E-02	7.11E-04	1.64E-03
5453	642236.2	4165448.9	Worker	Scenario 4	2.59E-02	8.39E-04	4.82E-03
5454	642336.2	4165448.9	Worker	Scenario 4	2.94E-02	9.21E-04	5.15E-03
5455	642436.2	4165448.9	Worker	Scenario 4	2.63E-02	8.61E-04	2.23E-03
5456	642536.2	4165448.9	Worker	Scenario 4	2.75E-02	8.93E-04	3.39E-03
5457	642636.2	4165448.9	Worker	Scenario 4	3.16E-02	9.89E-04	4.62E-03
5458	642736.2	4165448.9	Worker	Scenario 4	2.99E-02	9.56E-04	3.90E-03
5459	642836.2	4165448.9	Worker	Scenario 4	3.82E-02	1.14E-03	6.88E-03
5460	642936.2	4165448.9	Worker	Scenario 4	3.90E-02	1.16E-03	6.71E-03
5461	643136.2	4165448.9	Worker	Scenario 4	4.26E-02	1.24E-03	5.00E-03
5462	643236.2	4165448.9	Worker	Scenario 4	4.33E-02	1.25E-03	5.33E-03
5463	643336.2	4165448.9	Worker	Scenario 4	4.36E-02	1.24E-03	4.74E-03
5464	643436.2	4165448.9	Worker	Scenario 4	4.35E-02	1.23E-03	4.50E-03
5465	643536.2	4165448.9	Worker	Scenario 4	4.36E-02	1.23E-03	3.95E-03
5466	643636.2	4165448.9	Worker	Scenario 4	4.34E-02	1.21E-03	3.58E-03
5467	643736.2	4165448.9	Worker	Scenario 4	4.33E-02	1.20E-03	3.16E-03
5468	643836.2	4165448.9	Worker	Scenario 4	4.32E-02	1.19E-03	3.30E-03
5469	643936.2	4165448.9	Worker	Scenario 4	4.31E-02	1.18E-03	3.57E-03
5470	644036.2	4165448.9	Worker	Scenario 4	4.31E-02	1.17E-03	3.81E-03
5471	644136.2	4165448.9	Worker	Scenario 4	4.31E-02	1.16E-03	3.54E-03
5472	644236.2	4165448.9	Worker	Scenario 4	4.30E-02	1.15E-03	2.98E-03
5473	644336.2	4165448.9	Worker	Scenario 4	4.31E-02	1.14E-03	2.62E-03
5474	644436.2	4165448.9	Worker	Scenario 4	4.51E-02	1.16E-03	1.93E-03
5475	644536.2	4165448.9	Worker	Scenario 4	4.49E-02	1.14E-03	1.72E-03
5476	644636.2	4165448.9	Worker	Scenario 4	4.27E-02	1.09E-03	2.17E-03
5477	644736.2	4165448.9	Worker	Scenario 4	4.31E-02	1.09E-03	1.77E-03
5478	644836.2	4165448.9	Worker	Scenario 4	4.13E-02	1.04E-03	2.47E-03
5479	644936.2	4165448.9	Worker	Scenario 4	4.06E-02	1.02E-03	2.65E-03
5480	645036.2	4165448.9	Worker	Scenario 4	4.07E-02	1.01E-03	1.67E-03
5481	645136.2	4165448.9	Worker	Scenario 4	4.06E-02	9.91E-04	1.56E-03
5482	645236.2	4165448.9	Worker	Scenario 4	4.04E-02	9.70E-04	1.53E-03
5483	645336.2	4165448.9	Worker	Scenario 4	4.02E-02	9.52E-04	1.50E-03
5484	645436.2	4165448.9	Worker	Scenario 4	3.93E-02	9.24E-04	1.40E-03
5485	645536.2	4165448.9	Worker	Scenario 4	3.80E-02	8.91E-04	1.27E-03
5486	645636.2	4165448.9	Worker	Scenario 4	3.73E-02	8.67E-04	1.28E-03
5487	645936.2	4165448.9	Worker	Scenario 4	3.56E-02	8.09E-04	1.17E-03
5488	646036.2	4165448.9	Worker	Scenario 4	3.52E-02	7.91E-04	1.08E-03
5489	646136.2	4165448.9	Worker	Scenario 4	3.47E-02	7.73E-04	1.01E-03
5490	646336.2	4165448.9	Worker	Scenario 4	3.39E-02	7.40E-04	8.62E-04
5491	646436.2	4165448.9	Worker	Scenario 4	3.35E-02	7.25E-04	9.03E-04
5492	639436.2	4165548.9	Worker	Scenario 4	7.67E-03	2.89E-04	4.12E-04
5493	639536.2	4165548.9	Worker	Scenario 4	7.81E-03	2.94E-04	5.31E-04
5494	639636.2	4165548.9	Worker	Scenario 4	8.38E-03	3.12E-04	6.52E-04
5495	639736.2	4165548.9	Worker	Scenario 4	8.34E-03	3.13E-04	7.17E-04
5496	639836.2	4165548.9	Worker	Scenario 4	8.65E-03	3.23E-04	7.46E-04
5497	639936.2	4165548.9	Worker	Scenario 4	9.29E-03	3.43E-04	7.80E-04
5498	640036.2	4165548.9	Worker	Scenario 4	9.16E-03	3.42E-04	8.05E-04
5499	640136.2	4165548.9	Worker	Scenario 4	9.21E-03	3.45E-04	5.09E-04
5500	640236.2	4165548.9	Worker	Scenario 4	9.64E-03	3.60E-04	6.58E-04
5501	640336.2	4165548.9	Worker	Scenario 4	1.05E-02	3.87E-04	9.99E-04
5502	640436.2	4165548.9	Worker	Scenario 4	1.11E-02	4.05E-04	1.19E-03
5503	640536.2	4165548.9	Worker	Scenario 4	1.55E-02	5.20E-04	4.34E-03
5504	640636.2	4165548.9	Worker	Scenario 4	1.42E-02	4.94E-04	3.58E-03
5505	640736.2	4165548.9	Worker	Scenario 4	1.19E-02	4.38E-04	1.91E-03
5506	640836.2	4165548.9	Worker	Scenario 4	1.25E-02	4.58E-04	1.98E-03
5507	640936.2	4165548.9	Worker	Scenario 4	1.32E-02	4.78E-04	2.21E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5508	641036.2	4165548.9	Worker	Scenario 4	1.26E-02	4.63E-04	1.29E-03
5509	641136.2	4165548.9	Worker	Scenario 4	1.31E-02	4.79E-04	1.35E-03
5510	641236.2	4165548.9	Worker	Scenario 4	1.36E-02	4.96E-04	2.07E-03
5511	641336.2	4165548.9	Worker	Scenario 4	1.40E-02	5.10E-04	8.55E-04
5512	641436.2	4165548.9	Worker	Scenario 4	1.47E-02	5.30E-04	1.21E-03
5513	641536.2	4165548.9	Worker	Scenario 4	1.65E-02	5.84E-04	2.12E-03
5514	641636.2	4165548.9	Worker	Scenario 4	1.94E-02	6.61E-04	3.47E-03
5515	641736.2	4165548.9	Worker	Scenario 4	1.77E-02	6.23E-04	1.42E-03
5516	641836.2	4165548.9	Worker	Scenario 4	1.89E-02	6.60E-04	1.72E-03
5517	641936.2	4165548.9	Worker	Scenario 4	2.10E-02	7.20E-04	1.94E-03
5518	642036.2	4165548.9	Worker	Scenario 4	2.22E-02	7.56E-04	1.63E-03
5519	642136.2	4165548.9	Worker	Scenario 4	2.34E-02	7.92E-04	2.14E-03
5520	642236.2	4165548.9	Worker	Scenario 4	2.55E-02	8.48E-04	3.07E-03
5521	642336.2	4165548.9	Worker	Scenario 4	3.68E-02	1.10E-03	6.38E-03
5522	642436.2	4165548.9	Worker	Scenario 4	2.99E-02	9.62E-04	3.11E-03
5523	642536.2	4165548.9	Worker	Scenario 4	3.46E-02	1.07E-03	5.53E-03
5524	642636.2	4165548.9	Worker	Scenario 4	3.39E-02	1.06E-03	4.90E-03
5525	642736.2	4165548.9	Worker	Scenario 4	3.99E-02	1.19E-03	6.82E-03
5526	643036.2	4165548.9	Worker	Scenario 4	4.59E-02	1.33E-03	5.05E-03
5527	643136.2	4165548.9	Worker	Scenario 4	4.67E-02	1.34E-03	5.29E-03
5528	643236.2	4165548.9	Worker	Scenario 4	4.70E-02	1.34E-03	4.62E-03
5529	643336.2	4165548.9	Worker	Scenario 4	4.71E-02	1.33E-03	4.44E-03
5530	643436.2	4165548.9	Worker	Scenario 4	4.69E-02	1.32E-03	4.04E-03
5531	643536.2	4165548.9	Worker	Scenario 4	4.69E-02	1.31E-03	3.55E-03
5532	643636.2	4165548.9	Worker	Scenario 4	4.67E-02	1.29E-03	3.19E-03
5533	643736.2	4165548.9	Worker	Scenario 4	4.66E-02	1.28E-03	3.43E-03
5534	643836.2	4165548.9	Worker	Scenario 4	4.65E-02	1.27E-03	3.83E-03
5535	643936.2	4165548.9	Worker	Scenario 4	4.64E-02	1.26E-03	3.87E-03
5536	644036.2	4165548.9	Worker	Scenario 4	4.64E-02	1.25E-03	3.35E-03
5537	644136.2	4165548.9	Worker	Scenario 4	4.99E-02	1.29E-03	2.13E-03
5538	644236.2	4165548.9	Worker	Scenario 4	4.98E-02	1.27E-03	2.09E-03
5539	644336.2	4165548.9	Worker	Scenario 4	4.96E-02	1.25E-03	1.92E-03
5540	644436.2	4165548.9	Worker	Scenario 4	4.92E-02	1.23E-03	1.84E-03
5541	644536.2	4165548.9	Worker	Scenario 4	4.82E-02	1.21E-03	1.90E-03
5542	644636.2	4165548.9	Worker	Scenario 4	4.57E-02	1.15E-03	1.92E-03
5543	644736.2	4165548.9	Worker	Scenario 4	4.56E-02	1.13E-03	1.68E-03
5544	644836.2	4165548.9	Worker	Scenario 4	4.53E-02	1.11E-03	1.67E-03
5545	644936.2	4165548.9	Worker	Scenario 4	4.51E-02	1.10E-03	1.69E-03
5546	645036.2	4165548.9	Worker	Scenario 4	4.29E-02	1.05E-03	1.66E-03
5547	645136.2	4165548.9	Worker	Scenario 4	4.24E-02	1.03E-03	1.65E-03
5548	645236.2	4165548.9	Worker	Scenario 4	4.19E-02	9.95E-04	1.43E-03
5549	645336.2	4165548.9	Worker	Scenario 4	4.11E-02	9.69E-04	1.34E-03
5550	645436.2	4165548.9	Worker	Scenario 4	4.07E-02	9.50E-04	1.37E-03
5551	645536.2	4165548.9	Worker	Scenario 4	4.00E-02	9.24E-04	1.33E-03
5552	645636.2	4165548.9	Worker	Scenario 4	3.93E-02	8.99E-04	1.25E-03
5553	645936.2	4165548.9	Worker	Scenario 4	3.76E-02	8.40E-04	1.06E-03
5554	646036.2	4165548.9	Worker	Scenario 4	3.71E-02	8.20E-04	9.70E-04
5555	646136.2	4165548.9	Worker	Scenario 4	3.66E-02	8.01E-04	9.62E-04
5556	646336.2	4165548.9	Worker	Scenario 4	3.57E-02	7.67E-04	1.06E-03
5557	646436.2	4165548.9	Worker	Scenario 4	3.53E-02	7.51E-04	1.08E-03
5558	646536.2	4165548.9	Worker	Scenario 4	3.49E-02	7.37E-04	1.10E-03
5559	639236.2	4165648.9	Worker	Scenario 4	7.89E-03	2.94E-04	7.28E-04
5560	639336.2	4165648.9	Worker	Scenario 4	8.87E-03	3.21E-04	1.86E-03
5561	639436.2	4165648.9	Worker	Scenario 4	8.28E-03	3.07E-04	6.39E-04
5562	639536.2	4165648.9	Worker	Scenario 4	8.00E-03	3.01E-04	4.18E-04
5563	639636.2	4165648.9	Worker	Scenario 4	8.48E-03	3.17E-04	5.46E-04
5564	639736.2	4165648.9	Worker	Scenario 4	8.97E-03	3.32E-04	6.78E-04
5565	639836.2	4165648.9	Worker	Scenario 4	9.53E-03	3.50E-04	1.18E-03
5566	639936.2	4165648.9	Worker	Scenario 4	9.73E-03	3.58E-04	9.49E-04
5567	640036.2	4165648.9	Worker	Scenario 4	9.39E-03	3.51E-04	6.35E-04
5568	640136.2	4165648.9	Worker	Scenario 4	9.72E-03	3.63E-04	7.58E-04
5569	640236.2	4165648.9	Worker	Scenario 4	1.03E-02	3.81E-04	8.20E-04
5570	640336.2	4165648.9	Worker	Scenario 4	1.14E-02	4.14E-04	8.82E-04
5571	640436.2	4165648.9	Worker	Scenario 4	1.33E-02	4.68E-04	3.33E-03
5572	640536.2	4165648.9	Worker	Scenario 4	1.48E-02	5.11E-04	4.39E-03
5573	640636.2	4165648.9	Worker	Scenario 4	1.67E-02	5.61E-04	4.74E-03
5574	640736.2	4165648.9	Worker	Scenario 4	1.22E-02	4.51E-04	1.65E-03
5575	640836.2	4165648.9	Worker	Scenario 4	1.25E-02	4.63E-04	2.14E-03
5576	640936.2	4165648.9	Worker	Scenario 4	1.60E-02	5.57E-04	3.08E-03
5577	641036.2	4165648.9	Worker	Scenario 4	1.43E-02	5.16E-04	2.33E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5578	641136.2	4165648.9	Worker	Scenario 4	1.47E-02	5.32E-04	3.01E-03
5579	641236.2	4165648.9	Worker	Scenario 4	1.44E-02	5.24E-04	2.20E-03
5580	641336.2	4165648.9	Worker	Scenario 4	1.58E-02	5.65E-04	1.70E-03
5581	641436.2	4165648.9	Worker	Scenario 4	1.64E-02	5.86E-04	2.35E-03
5582	641536.2	4165648.9	Worker	Scenario 4	1.73E-02	6.12E-04	2.21E-03
5583	641636.2	4165648.9	Worker	Scenario 4	2.33E-02	7.68E-04	5.10E-03
5584	641736.2	4165648.9	Worker	Scenario 4	1.97E-02	6.85E-04	1.74E-03
5585	641836.2	4165648.9	Worker	Scenario 4	2.19E-02	7.51E-04	1.93E-03
5586	641936.2	4165648.9	Worker	Scenario 4	2.49E-02	8.29E-04	3.54E-03
5587	642036.2	4165648.9	Worker	Scenario 4	2.76E-02	9.02E-04	3.76E-03
5588	642136.2	4165648.9	Worker	Scenario 4	2.96E-02	9.56E-04	5.23E-03
5589	642236.2	4165648.9	Worker	Scenario 4	2.82E-02	9.30E-04	2.49E-03
5590	642336.2	4165648.9	Worker	Scenario 4	3.50E-02	1.09E-03	4.90E-03
5591	642436.2	4165648.9	Worker	Scenario 4	4.16E-02	1.23E-03	7.90E-03
5592	642536.2	4165648.9	Worker	Scenario 4	3.97E-02	1.21E-03	6.07E-03
5593	642636.2	4165648.9	Worker	Scenario 4	4.59E-02	1.34E-03	7.13E-03
5594	642836.2	4165648.9	Worker	Scenario 4	4.93E-02	1.42E-03	6.40E-03
5595	642936.2	4165648.9	Worker	Scenario 4	4.95E-02	1.43E-03	5.41E-03
5596	643036.2	4165648.9	Worker	Scenario 4	5.01E-02	1.44E-03	5.78E-03
5597	643136.2	4165648.9	Worker	Scenario 4	5.07E-02	1.45E-03	4.64E-03
5598	643236.2	4165648.9	Worker	Scenario 4	5.11E-02	1.44E-03	4.06E-03
5599	643336.2	4165648.9	Worker	Scenario 4	5.09E-02	1.43E-03	4.00E-03
5600	643436.2	4165648.9	Worker	Scenario 4	5.08E-02	1.41E-03	3.45E-03
5601	643536.2	4165648.9	Worker	Scenario 4	5.07E-02	1.40E-03	3.10E-03
5602	643636.2	4165648.9	Worker	Scenario 4	5.06E-02	1.39E-03	3.50E-03
5603	643736.2	4165648.9	Worker	Scenario 4	5.05E-02	1.37E-03	3.82E-03
5604	643836.2	4165648.9	Worker	Scenario 4	5.28E-02	1.41E-03	2.68E-03
5605	643936.2	4165648.9	Worker	Scenario 4	5.37E-02	1.40E-03	2.23E-03
5606	644036.2	4165648.9	Worker	Scenario 4	5.32E-02	1.38E-03	2.22E-03
5607	644136.2	4165648.9	Worker	Scenario 4	5.32E-02	1.37E-03	2.12E-03
5608	644236.2	4165648.9	Worker	Scenario 4	5.32E-02	1.35E-03	1.92E-03
5609	644336.2	4165648.9	Worker	Scenario 4	5.28E-02	1.33E-03	2.00E-03
5610	644436.2	4165648.9	Worker	Scenario 4	5.23E-02	1.30E-03	1.99E-03
5611	644536.2	4165648.9	Worker	Scenario 4	5.12E-02	1.27E-03	2.03E-03
5612	644636.2	4165648.9	Worker	Scenario 4	4.89E-02	1.22E-03	1.98E-03
5613	644736.2	4165648.9	Worker	Scenario 4	4.86E-02	1.19E-03	1.68E-03
5614	644836.2	4165648.9	Worker	Scenario 4	4.75E-02	1.15E-03	1.62E-03
5615	644936.2	4165648.9	Worker	Scenario 4	4.69E-02	1.13E-03	1.63E-03
5616	645036.2	4165648.9	Worker	Scenario 4	4.77E-02	1.13E-03	1.65E-03
5617	645136.2	4165648.9	Worker	Scenario 4	4.50E-02	1.08E-03	1.59E-03
5618	645236.2	4165648.9	Worker	Scenario 4	4.41E-02	1.05E-03	1.59E-03
5619	645336.2	4165648.9	Worker	Scenario 4	4.47E-02	1.03E-03	1.47E-03
5620	645436.2	4165648.9	Worker	Scenario 4	4.30E-02	9.89E-04	1.32E-03
5621	645536.2	4165648.9	Worker	Scenario 4	4.32E-02	9.79E-04	1.27E-03
5622	645836.2	4165648.9	Worker	Scenario 4	4.03E-02	8.95E-04	1.03E-03
5623	645936.2	4165648.9	Worker	Scenario 4	3.98E-02	8.73E-04	1.10E-03
5624	646036.2	4165648.9	Worker	Scenario 4	3.92E-02	8.52E-04	1.15E-03
5625	646136.2	4165648.9	Worker	Scenario 4	3.87E-02	8.32E-04	1.18E-03
5626	646336.2	4165648.9	Worker	Scenario 4	3.77E-02	7.96E-04	1.21E-03
5627	646436.2	4165648.9	Worker	Scenario 4	3.72E-02	7.79E-04	1.21E-03
5628	646536.2	4165648.9	Worker	Scenario 4	3.68E-02	7.64E-04	1.21E-03
5629	646636.2	4165648.9	Worker	Scenario 4	3.64E-02	7.50E-04	1.25E-03
5630	639036.2	4165748.9	Worker	Scenario 4	7.24E-03	2.76E-04	4.63E-04
5631	639136.2	4165748.9	Worker	Scenario 4	7.46E-03	2.83E-04	5.32E-04
5632	639236.2	4165748.9	Worker	Scenario 4	8.07E-03	3.01E-04	6.38E-04
5633	639336.2	4165748.9	Worker	Scenario 4	9.59E-03	3.42E-04	2.08E-03
5634	639436.2	4165748.9	Worker	Scenario 4	8.48E-03	3.15E-04	6.59E-04
5635	639536.2	4165748.9	Worker	Scenario 4	8.28E-03	3.11E-04	3.19E-04
5636	639636.2	4165748.9	Worker	Scenario 4	8.57E-03	3.22E-04	4.40E-04
5637	639736.2	4165748.9	Worker	Scenario 4	9.75E-03	3.56E-04	1.22E-03
5638	639836.2	4165748.9	Worker	Scenario 4	1.07E-02	3.83E-04	1.85E-03
5639	639936.2	4165748.9	Worker	Scenario 4	1.02E-02	3.74E-04	1.20E-03
5640	640036.2	4165748.9	Worker	Scenario 4	1.04E-02	3.81E-04	1.00E-03
5641	640136.2	4165748.9	Worker	Scenario 4	1.08E-02	3.96E-04	1.04E-03
5642	640236.2	4165748.9	Worker	Scenario 4	1.06E-02	3.94E-04	8.07E-04
5643	640336.2	4165748.9	Worker	Scenario 4	1.13E-02	4.16E-04	9.47E-04
5644	640436.2	4165748.9	Worker	Scenario 4	1.19E-02	4.36E-04	1.02E-03
5645	640536.2	4165748.9	Worker	Scenario 4	1.50E-02	5.22E-04	4.10E-03
5646	640636.2	4165748.9	Worker	Scenario 4	1.98E-02	6.37E-04	6.11E-03
5647	640736.2	4165748.9	Worker	Scenario 4	1.45E-02	5.20E-04	2.04E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5648	640836.2	4165748.9	Worker	Scenario 4	1.35E-02	4.97E-04	2.19E-03
5649	640936.2	4165748.9	Worker	Scenario 4	1.42E-02	5.20E-04	1.84E-03
5650	641036.2	4165748.9	Worker	Scenario 4	1.77E-02	6.13E-04	3.81E-03
5651	641136.2	4165748.9	Worker	Scenario 4	1.65E-02	5.88E-04	3.24E-03
5652	641236.2	4165748.9	Worker	Scenario 4	1.59E-02	5.73E-04	2.58E-03
5653	641336.2	4165748.9	Worker	Scenario 4	1.72E-02	6.11E-04	1.75E-03
5654	641436.2	4165748.9	Worker	Scenario 4	1.86E-02	6.52E-04	2.43E-03
5655	641536.2	4165748.9	Worker	Scenario 4	1.90E-02	6.69E-04	2.28E-03
5656	641636.2	4165748.9	Worker	Scenario 4	2.69E-02	8.69E-04	5.97E-03
5657	641736.2	4165748.9	Worker	Scenario 4	2.21E-02	7.65E-04	2.13E-03
5658	641836.2	4165748.9	Worker	Scenario 4	2.50E-02	8.45E-04	2.86E-03
5659	641936.2	4165748.9	Worker	Scenario 4	3.11E-02	9.93E-04	5.36E-03
5660	642036.2	4165748.9	Worker	Scenario 4	3.35E-02	1.06E-03	5.85E-03
5661	642136.2	4165748.9	Worker	Scenario 4	3.15E-02	1.03E-03	4.87E-03
5662	642236.2	4165748.9	Worker	Scenario 4	3.60E-02	1.14E-03	5.01E-03
5663	642336.2	4165748.9	Worker	Scenario 4	4.30E-02	1.29E-03	8.22E-03
5664	642436.2	4165748.9	Worker	Scenario 4	4.89E-02	1.42E-03	9.03E-03
5665	642536.2	4165748.9	Worker	Scenario 4	5.26E-02	1.51E-03	6.53E-03
5666	642736.2	4165748.9	Worker	Scenario 4	5.48E-02	1.57E-03	6.38E-03
5667	642836.2	4165748.9	Worker	Scenario 4	5.48E-02	1.57E-03	5.59E-03
5668	642936.2	4165748.9	Worker	Scenario 4	5.47E-02	1.57E-03	5.95E-03
5669	643036.2	4165748.9	Worker	Scenario 4	5.48E-02	1.56E-03	5.04E-03
5670	643136.2	4165748.9	Worker	Scenario 4	5.53E-02	1.56E-03	4.08E-03
5671	643236.2	4165748.9	Worker	Scenario 4	5.57E-02	1.56E-03	3.45E-03
5672	643336.2	4165748.9	Worker	Scenario 4	5.54E-02	1.54E-03	2.97E-03
5673	643436.2	4165748.9	Worker	Scenario 4	5.53E-02	1.52E-03	2.72E-03
5674	643536.2	4165748.9	Worker	Scenario 4	5.57E-02	1.52E-03	3.01E-03
5675	643636.2	4165748.9	Worker	Scenario 4	5.86E-02	1.56E-03	2.84E-03
5676	643736.2	4165748.9	Worker	Scenario 4	5.84E-02	1.54E-03	2.64E-03
5677	643836.2	4165748.9	Worker	Scenario 4	5.82E-02	1.52E-03	2.41E-03
5678	643936.2	4165748.9	Worker	Scenario 4	5.79E-02	1.50E-03	2.39E-03
5679	644036.2	4165748.9	Worker	Scenario 4	5.76E-02	1.48E-03	2.13E-03
5680	644136.2	4165748.9	Worker	Scenario 4	5.71E-02	1.45E-03	2.11E-03
5681	644236.2	4165748.9	Worker	Scenario 4	5.66E-02	1.43E-03	2.09E-03
5682	644336.2	4165748.9	Worker	Scenario 4	5.61E-02	1.40E-03	2.08E-03
5683	644436.2	4165748.9	Worker	Scenario 4	5.58E-02	1.38E-03	2.04E-03
5684	644536.2	4165748.9	Worker	Scenario 4	5.42E-02	1.34E-03	2.04E-03
5685	644636.2	4165748.9	Worker	Scenario 4	5.24E-02	1.29E-03	1.98E-03
5686	644736.2	4165748.9	Worker	Scenario 4	5.19E-02	1.26E-03	1.76E-03
5687	644836.2	4165748.9	Worker	Scenario 4	5.05E-02	1.21E-03	1.62E-03
5688	644936.2	4165748.9	Worker	Scenario 4	4.94E-02	1.18E-03	1.55E-03
5689	645036.2	4165748.9	Worker	Scenario 4	5.08E-02	1.19E-03	1.68E-03
5690	645136.2	4165748.9	Worker	Scenario 4	4.86E-02	1.14E-03	1.62E-03
5691	645236.2	4165748.9	Worker	Scenario 4	4.70E-02	1.10E-03	1.49E-03
5692	645336.2	4165748.9	Worker	Scenario 4	4.60E-02	1.07E-03	1.37E-03
5693	645736.2	4165748.9	Worker	Scenario 4	4.34E-02	9.57E-04	1.25E-03
5694	645836.2	4165748.9	Worker	Scenario 4	4.28E-02	9.32E-04	1.28E-03
5695	645936.2	4165748.9	Worker	Scenario 4	4.22E-02	9.08E-04	1.30E-03
5696	646036.2	4165748.9	Worker	Scenario 4	4.16E-02	8.86E-04	1.33E-03
5697	646136.2	4165748.9	Worker	Scenario 4	4.10E-02	8.65E-04	1.33E-03
5698	646336.2	4165748.9	Worker	Scenario 4	3.99E-02	8.27E-04	1.38E-03
5699	646436.2	4165748.9	Worker	Scenario 4	3.93E-02	8.09E-04	1.46E-03
5700	646536.2	4165748.9	Worker	Scenario 4	3.88E-02	7.93E-04	1.59E-03
5701	646636.2	4165748.9	Worker	Scenario 4	3.84E-02	7.78E-04	1.71E-03
5702	638936.2	4165848.9	Worker	Scenario 4	7.30E-03	2.79E-04	4.42E-04
5703	639036.2	4165848.9	Worker	Scenario 4	7.49E-03	2.85E-04	3.96E-04
5704	639136.2	4165848.9	Worker	Scenario 4	7.83E-03	2.96E-04	5.06E-04
5705	639236.2	4165848.9	Worker	Scenario 4	8.18E-03	3.07E-04	6.47E-04
5706	639336.2	4165848.9	Worker	Scenario 4	9.41E-03	3.41E-04	1.47E-03
5707	639436.2	4165848.9	Worker	Scenario 4	9.67E-03	3.49E-04	1.50E-03
5708	639536.2	4165848.9	Worker	Scenario 4	8.91E-03	3.31E-04	5.83E-04
5709	639636.2	4165848.9	Worker	Scenario 4	8.95E-03	3.35E-04	3.33E-04
5710	639736.2	4165848.9	Worker	Scenario 4	9.30E-03	3.46E-04	4.88E-04
5711	639836.2	4165848.9	Worker	Scenario 4	1.01E-02	3.72E-04	8.72E-04
5712	639936.2	4165848.9	Worker	Scenario 4	1.12E-02	4.04E-04	1.64E-03
5713	640036.2	4165848.9	Worker	Scenario 4	1.22E-02	4.33E-04	2.89E-03
5714	640136.2	4165848.9	Worker	Scenario 4	1.08E-02	4.02E-04	9.94E-04
5715	640236.2	4165848.9	Worker	Scenario 4	1.10E-02	4.10E-04	9.22E-04
5716	640336.2	4165848.9	Worker	Scenario 4	1.16E-02	4.30E-04	8.40E-04
5717	640436.2	4165848.9	Worker	Scenario 4	1.21E-02	4.46E-04	8.51E-04

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5718	640536.2	4165848.9	Worker	Scenario 4	1.37E-02	4.93E-04	1.64E-03
5719	640636.2	4165848.9	Worker	Scenario 4	1.77E-02	6.00E-04	5.27E-03
5720	640736.2	4165848.9	Worker	Scenario 4	2.25E-02	7.15E-04	6.65E-03
5721	640836.2	4165848.9	Worker	Scenario 4	1.85E-02	6.32E-04	5.15E-03
5722	640936.2	4165848.9	Worker	Scenario 4	1.68E-02	5.97E-04	3.51E-03
5723	641036.2	4165848.9	Worker	Scenario 4	1.66E-02	5.97E-04	2.70E-03
5724	641136.2	4165848.9	Worker	Scenario 4	2.29E-02	7.50E-04	5.78E-03
5725	641236.2	4165848.9	Worker	Scenario 4	1.95E-02	6.78E-04	3.54E-03
5726	641336.2	4165848.9	Worker	Scenario 4	1.93E-02	6.78E-04	2.28E-03
5727	641436.2	4165848.9	Worker	Scenario 4	2.22E-02	7.56E-04	3.17E-03
5728	641536.2	4165848.9	Worker	Scenario 4	2.19E-02	7.60E-04	3.17E-03
5729	641636.2	4165848.9	Worker	Scenario 4	3.05E-02	9.75E-04	6.66E-03
5730	641736.2	4165848.9	Worker	Scenario 4	2.63E-02	8.87E-04	3.19E-03
5731	641836.2	4165848.9	Worker	Scenario 4	2.95E-02	9.75E-04	4.40E-03
5732	641936.2	4165848.9	Worker	Scenario 4	3.43E-02	1.10E-03	4.86E-03
5733	642036.2	4165848.9	Worker	Scenario 4	4.05E-02	1.24E-03	8.14E-03
5734	642136.2	4165848.9	Worker	Scenario 4	4.56E-02	1.36E-03	8.97E-03
5735	642236.2	4165848.9	Worker	Scenario 4	5.17E-02	1.50E-03	9.09E-03
5736	642336.2	4165848.9	Worker	Scenario 4	5.54E-02	1.59E-03	9.17E-03
5737	642636.2	4165848.9	Worker	Scenario 4	6.11E-02	1.73E-03	6.22E-03
5738	642736.2	4165848.9	Worker	Scenario 4	6.13E-02	1.74E-03	5.46E-03
5739	642836.2	4165848.9	Worker	Scenario 4	6.09E-02	1.73E-03	5.61E-03
5740	642936.2	4165848.9	Worker	Scenario 4	6.07E-02	1.72E-03	4.72E-03
5741	643036.2	4165848.9	Worker	Scenario 4	6.04E-02	1.71E-03	3.62E-03
5742	643136.2	4165848.9	Worker	Scenario 4	6.03E-02	1.69E-03	3.76E-03
5743	643236.2	4165848.9	Worker	Scenario 4	6.06E-02	1.68E-03	3.12E-03
5744	643336.2	4165848.9	Worker	Scenario 4	6.07E-02	1.67E-03	3.12E-03
5745	643436.2	4165848.9	Worker	Scenario 4	6.29E-02	1.69E-03	3.29E-03
5746	643536.2	4165848.9	Worker	Scenario 4	6.47E-02	1.71E-03	3.14E-03
5747	643636.2	4165848.9	Worker	Scenario 4	6.15E-02	1.65E-03	2.90E-03
5748	643736.2	4165848.9	Worker	Scenario 4	6.03E-02	1.61E-03	2.85E-03
5749	643836.2	4165848.9	Worker	Scenario 4	6.02E-02	1.59E-03	2.66E-03
5750	643936.2	4165848.9	Worker	Scenario 4	6.01E-02	1.57E-03	2.47E-03
5751	644036.2	4165848.9	Worker	Scenario 4	6.00E-02	1.55E-03	2.50E-03
5752	644136.2	4165848.9	Worker	Scenario 4	5.98E-02	1.53E-03	2.49E-03
5753	644236.2	4165848.9	Worker	Scenario 4	5.96E-02	1.50E-03	2.38E-03
5754	644336.2	4165848.9	Worker	Scenario 4	5.92E-02	1.48E-03	2.26E-03
5755	644436.2	4165848.9	Worker	Scenario 4	5.85E-02	1.45E-03	2.17E-03
5756	644536.2	4165848.9	Worker	Scenario 4	5.75E-02	1.41E-03	2.13E-03
5757	644636.2	4165848.9	Worker	Scenario 4	5.64E-02	1.37E-03	1.98E-03
5758	644736.2	4165848.9	Worker	Scenario 4	5.53E-02	1.32E-03	1.71E-03
5759	644836.2	4165848.9	Worker	Scenario 4	5.41E-02	1.29E-03	1.67E-03
5760	644936.2	4165848.9	Worker	Scenario 4	5.51E-02	1.28E-03	1.69E-03
5761	645036.2	4165848.9	Worker	Scenario 4	5.30E-02	1.24E-03	1.57E-03
5762	645436.2	4165848.9	Worker	Scenario 4	4.84E-02	1.09E-03	1.36E-03
5763	645536.2	4165848.9	Worker	Scenario 4	4.77E-02	1.06E-03	1.41E-03
5764	645636.2	4165848.9	Worker	Scenario 4	4.69E-02	1.03E-03	1.43E-03
5765	645736.2	4165848.9	Worker	Scenario 4	4.61E-02	9.98E-04	1.46E-03
5766	645836.2	4165848.9	Worker	Scenario 4	4.54E-02	9.72E-04	1.46E-03
5767	645936.2	4165848.9	Worker	Scenario 4	4.48E-02	9.46E-04	1.44E-03
5768	646036.2	4165848.9	Worker	Scenario 4	4.41E-02	9.23E-04	1.51E-03
5769	646136.2	4165848.9	Worker	Scenario 4	4.34E-02	9.00E-04	1.61E-03
5770	646336.2	4165848.9	Worker	Scenario 4	4.22E-02	8.60E-04	1.91E-03
5771	646436.2	4165848.9	Worker	Scenario 4	4.16E-02	8.41E-04	2.04E-03
5772	646536.2	4165848.9	Worker	Scenario 4	4.10E-02	8.24E-04	2.15E-03
5773	646636.2	4165848.9	Worker	Scenario 4	4.05E-02	8.07E-04	2.25E-03
5774	646736.2	4165848.9	Worker	Scenario 4	3.99E-02	7.91E-04	2.33E-03
5775	638736.2	4165948.9	Worker	Scenario 4	7.28E-03	2.77E-04	8.55E-04
5776	638836.2	4165948.9	Worker	Scenario 4	8.16E-03	3.03E-04	1.11E-03
5777	638936.2	4165948.9	Worker	Scenario 4	7.82E-03	2.95E-04	7.99E-04
5778	639036.2	4165948.9	Worker	Scenario 4	7.97E-03	3.01E-04	6.49E-04
5779	639136.2	4165948.9	Worker	Scenario 4	8.30E-03	3.12E-04	6.00E-04
5780	639236.2	4165948.9	Worker	Scenario 4	8.54E-03	3.21E-04	8.73E-03
5781	639336.2	4165948.9	Worker	Scenario 4	9.71E-03	3.53E-04	1.86E-03
5782	639436.2	4165948.9	Worker	Scenario 4	9.93E-03	3.60E-04	1.64E-03
5783	639536.2	4165948.9	Worker	Scenario 4	8.96E-03	3.36E-04	6.68E-04
5784	639636.2	4165948.9	Worker	Scenario 4	9.39E-03	3.50E-04	6.80E-04
5785	639736.2	4165948.9	Worker	Scenario 4	9.82E-03	3.64E-04	5.37E-04
5786	639836.2	4165948.9	Worker	Scenario 4	1.02E-02	3.78E-04	6.82E-04
5787	639936.2	4165948.9	Worker	Scenario 4	1.06E-02	3.92E-04	6.65E-04

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5788	640036.2	4165948.9	Worker	Scenario 4	1.32E-02	4.62E-04	2.74E-03
5789	640136.2	4165948.9	Worker	Scenario 4	1.17E-02	4.29E-04	1.05E-03
5790	640236.2	4165948.9	Worker	Scenario 4	1.22E-02	4.46E-04	1.18E-03
5791	640336.2	4165948.9	Worker	Scenario 4	1.29E-02	4.69E-04	1.45E-03
5792	640436.2	4165948.9	Worker	Scenario 4	1.37E-02	4.96E-04	1.33E-03
5793	640536.2	4165948.9	Worker	Scenario 4	1.55E-02	5.46E-04	2.02E-03
5794	640636.2	4165948.9	Worker	Scenario 4	1.77E-02	6.08E-04	4.87E-03
5795	640736.2	4165948.9	Worker	Scenario 4	2.04E-02	6.80E-04	5.80E-03
5796	640836.2	4165948.9	Worker	Scenario 4	2.56E-02	8.03E-04	8.38E-03
5797	640936.2	4165948.9	Worker	Scenario 4	2.67E-02	8.37E-04	8.75E-03
5798	641036.2	4165948.9	Worker	Scenario 4	2.60E-02	8.32E-04	7.23E-03
5799	641136.2	4165948.9	Worker	Scenario 4	2.06E-02	7.14E-04	3.91E-03
5800	641236.2	4165948.9	Worker	Scenario 4	2.26E-02	7.67E-04	5.27E-03
5801	641336.2	4165948.9	Worker	Scenario 4	2.31E-02	7.87E-04	3.62E-03
5802	641436.2	4165948.9	Worker	Scenario 4	2.76E-02	8.98E-04	4.75E-03
5803	641536.2	4165948.9	Worker	Scenario 4	2.89E-02	9.48E-04	6.80E-03
5804	641636.2	4165948.9	Worker	Scenario 4	3.42E-02	1.09E-03	7.32E-03
5805	641736.2	4165948.9	Worker	Scenario 4	3.73E-02	1.17E-03	8.32E-03
5806	641836.2	4165948.9	Worker	Scenario 4	4.31E-02	1.31E-03	1.03E-02
5807	642136.2	4165948.9	Worker	Scenario 4	5.95E-02	1.71E-03	8.74E-03
5808	642236.2	4165948.9	Worker	Scenario 4	6.35E-02	1.81E-03	8.35E-03
5809	642436.2	4165948.9	Worker	Scenario 4	6.58E-02	1.87E-03	7.92E-03
5810	642536.2	4165948.9	Worker	Scenario 4	6.73E-02	1.91E-03	7.19E-03
5811	642636.2	4165948.9	Worker	Scenario 4	6.84E-02	1.93E-03	5.88E-03
5812	642736.2	4165948.9	Worker	Scenario 4	6.86E-02	1.93E-03	4.61E-03
5813	642836.2	4165948.9	Worker	Scenario 4	6.78E-02	1.91E-03	4.35E-03
5814	642936.2	4165948.9	Worker	Scenario 4	6.71E-02	1.88E-03	4.04E-03
5815	643036.2	4165948.9	Worker	Scenario 4	6.66E-02	1.86E-03	4.10E-03
5816	643136.2	4165948.9	Worker	Scenario 4	6.65E-02	1.84E-03	3.27E-03
5817	643236.2	4165948.9	Worker	Scenario 4	6.65E-02	1.83E-03	3.56E-03
5818	643336.2	4165948.9	Worker	Scenario 4	6.88E-02	1.85E-03	3.66E-03
5819	643436.2	4165948.9	Worker	Scenario 4	6.99E-02	1.86E-03	3.42E-03
5820	643536.2	4165948.9	Worker	Scenario 4	6.67E-02	1.79E-03	3.13E-03
5821	643636.2	4165948.9	Worker	Scenario 4	6.67E-02	1.78E-03	3.07E-03
5822	643736.2	4165948.9	Worker	Scenario 4	6.65E-02	1.76E-03	2.68E-03
5823	643836.2	4165948.9	Worker	Scenario 4	6.63E-02	1.74E-03	2.77E-03
5824	643936.2	4165948.9	Worker	Scenario 4	6.62E-02	1.71E-03	2.76E-03
5825	644036.2	4165948.9	Worker	Scenario 4	6.60E-02	1.69E-03	2.64E-03
5826	644136.2	4165948.9	Worker	Scenario 4	6.57E-02	1.66E-03	2.52E-03
5827	644236.2	4165948.9	Worker	Scenario 4	6.51E-02	1.62E-03	2.40E-03
5828	644336.2	4165948.9	Worker	Scenario 4	6.43E-02	1.59E-03	2.34E-03
5829	644436.2	4165948.9	Worker	Scenario 4	6.28E-02	1.54E-03	2.16E-03
5830	644536.2	4165948.9	Worker	Scenario 4	6.17E-02	1.50E-03	2.11E-03
5831	644636.2	4165948.9	Worker	Scenario 4	6.07E-02	1.46E-03	2.03E-03
5832	644736.2	4165948.9	Worker	Scenario 4	5.96E-02	1.42E-03	1.87E-03
5833	645236.2	4165948.9	Worker	Scenario 4	5.38E-02	1.22E-03	1.55E-03
5834	645336.2	4165948.9	Worker	Scenario 4	5.28E-02	1.18E-03	1.58E-03
5835	645436.2	4165948.9	Worker	Scenario 4	5.18E-02	1.14E-03	1.61E-03
5836	645536.2	4165948.9	Worker	Scenario 4	5.09E-02	1.11E-03	1.61E-03
5837	645636.2	4165948.9	Worker	Scenario 4	5.00E-02	1.07E-03	1.60E-03
5838	645736.2	4165948.9	Worker	Scenario 4	4.92E-02	1.04E-03	1.67E-03
5839	645836.2	4165948.9	Worker	Scenario 4	4.84E-02	1.01E-03	1.80E-03
5840	645936.2	4165948.9	Worker	Scenario 4	4.76E-02	9.87E-04	1.96E-03
5841	646036.2	4165948.9	Worker	Scenario 4	4.69E-02	9.61E-04	2.11E-03
5842	646136.2	4165948.9	Worker	Scenario 4	4.61E-02	9.38E-04	2.26E-03
5843	646336.2	4165948.9	Worker	Scenario 4	4.47E-02	8.94E-04	2.48E-03
5844	646436.2	4165948.9	Worker	Scenario 4	4.40E-02	8.74E-04	2.56E-03
5845	646536.2	4165948.9	Worker	Scenario 4	4.34E-02	8.55E-04	2.62E-03
5846	646636.2	4165948.9	Worker	Scenario 4	4.27E-02	8.37E-04	2.65E-03
5847	646736.2	4165948.9	Worker	Scenario 4	4.21E-02	8.19E-04	2.66E-03
5848	638536.2	4166048.9	Worker	Scenario 4	8.44E-03	3.06E-04	2.73E-03
5849	638636.2	4166048.9	Worker	Scenario 4	7.66E-03	2.87E-04	1.94E-03
5850	638736.2	4166048.9	Worker	Scenario 4	7.52E-03	2.86E-04	1.29E-03
5851	638836.2	4166048.9	Worker	Scenario 4	8.32E-03	3.09E-04	1.27E-03
5852	638936.2	4166048.9	Worker	Scenario 4	8.59E-03	3.19E-04	1.18E-03
5853	639036.2	4166048.9	Worker	Scenario 4	8.41E-03	3.16E-04	9.35E-04
5854	639136.2	4166048.9	Worker	Scenario 4	8.47E-03	3.19E-04	8.23E-04
5855	639236.2	4166048.9	Worker	Scenario 4	8.87E-03	3.32E-04	7.33E-04
5856	639336.2	4166048.9	Worker	Scenario 4	1.02E-02	3.69E-04	1.98E-03
5857	639436.2	4166048.9	Worker	Scenario 4	1.02E-02	3.73E-04	1.71E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5858	639536.2	4166048.9	Worker	Scenario 4	9.36E-03	3.51E-04	7.14E-04
5859	639636.2	4166048.9	Worker	Scenario 4	9.87E-03	3.67E-04	7.48E-04
5860	639736.2	4166048.9	Worker	Scenario 4	1.02E-02	3.77E-04	8.22E-04
5861	639836.2	4166048.9	Worker	Scenario 4	1.08E-02	3.98E-04	8.07E-04
5862	639936.2	4166048.9	Worker	Scenario 4	1.12E-02	4.10E-04	7.39E-04
5863	640036.2	4166048.9	Worker	Scenario 4	1.19E-02	4.33E-04	1.04E-03
5864	640136.2	4166048.9	Worker	Scenario 4	1.56E-02	5.29E-04	3.70E-03
5865	640236.2	4166048.9	Worker	Scenario 4	1.40E-02	4.98E-04	2.69E-03
5866	640336.2	4166048.9	Worker	Scenario 4	1.42E-02	5.08E-04	1.62E-03
5867	640436.2	4166048.9	Worker	Scenario 4	1.49E-02	5.32E-04	1.78E-03
5868	640536.2	4166048.9	Worker	Scenario 4	1.54E-02	5.53E-04	1.65E-03
5869	640636.2	4166048.9	Worker	Scenario 4	1.76E-02	6.14E-04	3.29E-03
5870	640736.2	4166048.9	Worker	Scenario 4	2.02E-02	6.84E-04	5.50E-03
5871	640836.2	4166048.9	Worker	Scenario 4	2.39E-02	7.82E-04	6.72E-03
5872	640936.2	4166048.9	Worker	Scenario 4	2.65E-02	8.49E-04	7.91E-03
5873	641036.2	4166048.9	Worker	Scenario 4	3.22E-02	9.86E-04	1.02E-02
5874	641136.2	4166048.9	Worker	Scenario 4	2.75E-02	8.92E-04	7.17E-03
5875	641236.2	4166048.9	Worker	Scenario 4	3.07E-02	9.71E-04	8.56E-03
5876	641336.2	4166048.9	Worker	Scenario 4	3.42E-02	1.05E-03	9.18E-03
5877	641436.2	4166048.9	Worker	Scenario 4	3.68E-02	1.13E-03	8.08E-03
5878	641636.2	4166048.9	Worker	Scenario 4	4.48E-02	1.36E-03	1.41E-02
5879	641736.2	4166048.9	Worker	Scenario 4	4.80E-02	1.45E-03	1.26E-02
5880	641836.2	4166048.9	Worker	Scenario 4	5.47E-02	1.61E-03	1.36E-02
5881	641936.2	4166048.9	Worker	Scenario 4	6.03E-02	1.75E-03	1.29E-02
5882	642036.2	4166048.9	Worker	Scenario 4	6.49E-02	1.87E-03	1.12E-02
5883	642136.2	4166048.9	Worker	Scenario 4	6.91E-02	1.97E-03	9.50E-03
5884	642336.2	4166048.9	Worker	Scenario 4	7.52E-02	2.13E-03	6.94E-03
5885	642436.2	4166048.9	Worker	Scenario 4	7.60E-02	2.15E-03	7.21E-03
5886	642536.2	4166048.9	Worker	Scenario 4	7.69E-02	2.16E-03	5.62E-03
5887	642636.2	4166048.9	Worker	Scenario 4	7.70E-02	2.16E-03	5.09E-03
5888	642736.2	4166048.9	Worker	Scenario 4	7.64E-02	2.13E-03	4.85E-03
5889	642836.2	4166048.9	Worker	Scenario 4	7.54E-02	2.10E-03	4.54E-03
5890	642936.2	4166048.9	Worker	Scenario 4	7.44E-02	2.06E-03	4.47E-03
5891	643036.2	4166048.9	Worker	Scenario 4	7.37E-02	2.03E-03	3.50E-03
5892	643136.2	4166048.9	Worker	Scenario 4	7.34E-02	2.01E-03	4.05E-03
5893	643236.2	4166048.9	Worker	Scenario 4	7.39E-02	2.00E-03	4.09E-03
5894	643336.2	4166048.9	Worker	Scenario 4	7.41E-02	1.99E-03	3.65E-03
5895	643436.2	4166048.9	Worker	Scenario 4	7.40E-02	1.98E-03	3.49E-03
5896	643536.2	4166048.9	Worker	Scenario 4	7.41E-02	1.97E-03	3.18E-03
5897	643636.2	4166048.9	Worker	Scenario 4	7.40E-02	1.95E-03	3.08E-03
5898	643736.2	4166048.9	Worker	Scenario 4	7.40E-02	1.93E-03	3.07E-03
5899	643836.2	4166048.9	Worker	Scenario 4	7.35E-02	1.90E-03	2.95E-03
5900	643936.2	4166048.9	Worker	Scenario 4	7.33E-02	1.87E-03	2.82E-03
5901	644036.2	4166048.9	Worker	Scenario 4	7.30E-02	1.84E-03	2.67E-03
5902	644136.2	4166048.9	Worker	Scenario 4	7.23E-02	1.80E-03	2.60E-03
5903	644236.2	4166048.9	Worker	Scenario 4	7.14E-02	1.75E-03	2.37E-03
5904	644336.2	4166048.9	Worker	Scenario 4	7.02E-02	1.71E-03	2.34E-03
5905	644936.2	4166048.9	Worker	Scenario 4	6.16E-02	1.42E-03	1.71E-03
5906	645036.2	4166048.9	Worker	Scenario 4	6.03E-02	1.38E-03	1.76E-03
5907	645136.2	4166048.9	Worker	Scenario 4	5.91E-02	1.33E-03	1.78E-03
5908	645236.2	4166048.9	Worker	Scenario 4	5.78E-02	1.29E-03	1.79E-03
5909	645336.2	4166048.9	Worker	Scenario 4	5.67E-02	1.24E-03	1.76E-03
5910	645436.2	4166048.9	Worker	Scenario 4	5.55E-02	1.20E-03	1.86E-03
5911	645536.2	4166048.9	Worker	Scenario 4	5.45E-02	1.16E-03	2.02E-03
5912	645636.2	4166048.9	Worker	Scenario 4	5.35E-02	1.13E-03	2.20E-03
5913	645736.2	4166048.9	Worker	Scenario 4	5.26E-02	1.09E-03	2.37E-03
5914	645836.2	4166048.9	Worker	Scenario 4	5.17E-02	1.06E-03	2.51E-03
5915	645936.2	4166048.9	Worker	Scenario 4	5.08E-02	1.03E-03	2.63E-03
5916	646036.2	4166048.9	Worker	Scenario 4	4.99E-02	1.00E-03	2.73E-03
5917	646136.2	4166048.9	Worker	Scenario 4	4.91E-02	9.77E-04	2.81E-03
5918	646336.2	4166048.9	Worker	Scenario 4	4.74E-02	9.30E-04	2.88E-03
5919	646436.2	4166048.9	Worker	Scenario 4	4.66E-02	9.08E-04	2.88E-03
5920	646536.2	4166048.9	Worker	Scenario 4	4.58E-02	8.87E-04	2.86E-03
5921	646636.2	4166048.9	Worker	Scenario 4	4.51E-02	8.67E-04	2.80E-03
5922	646736.2	4166048.9	Worker	Scenario 4	4.43E-02	8.48E-04	2.73E-03
5923	646836.2	4166048.9	Worker	Scenario 4	4.35E-02	8.29E-04	2.65E-03
5924	638436.2	4166148.9	Worker	Scenario 4	7.98E-03	2.94E-04	6.02E-03
5925	638536.2	4166148.9	Worker	Scenario 4	8.35E-03	3.05E-04	5.27E-03
5926	638636.2	4166148.9	Worker	Scenario 4	7.83E-03	2.94E-04	4.32E-03
5927	638736.2	4166148.9	Worker	Scenario 4	7.84E-03	2.96E-04	3.31E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5928	638836.2	4166148.9	Worker	Scenario 4	8.37E-03	3.13E-04	2.36E-03
5929	638936.2	4166148.9	Worker	Scenario 4	9.38E-03	3.41E-04	1.97E-03
5930	639036.2	4166148.9	Worker	Scenario 4	9.22E-03	3.40E-04	1.52E-03
5931	639136.2	4166148.9	Worker	Scenario 4	8.71E-03	3.28E-04	1.00E-03
5932	639236.2	4166148.9	Worker	Scenario 4	9.06E-03	3.40E-04	9.52E-04
5933	639336.2	4166148.9	Worker	Scenario 4	1.01E-02	3.71E-04	1.35E-03
5934	639436.2	4166148.9	Worker	Scenario 4	1.15E-02	4.09E-04	2.67E-03
5935	639536.2	4166148.9	Worker	Scenario 4	1.03E-02	3.81E-04	8.65E-04
5936	639636.2	4166148.9	Worker	Scenario 4	1.11E-02	4.05E-04	1.54E-03
5937	639736.2	4166148.9	Worker	Scenario 4	1.12E-02	4.10E-04	1.06E-03
5938	639836.2	4166148.9	Worker	Scenario 4	1.19E-02	4.32E-04	1.27E-03
5939	639936.2	4166148.9	Worker	Scenario 4	1.31E-02	4.66E-04	2.54E-03
5940	640036.2	4166148.9	Worker	Scenario 4	1.35E-02	4.82E-04	2.25E-03
5941	640136.2	4166148.9	Worker	Scenario 4	1.64E-02	5.55E-04	4.56E-03
5942	640236.2	4166148.9	Worker	Scenario 4	1.62E-02	5.57E-04	3.37E-03
5943	640336.2	4166148.9	Worker	Scenario 4	1.49E-02	5.32E-04	2.13E-03
5944	640436.2	4166148.9	Worker	Scenario 4	1.74E-02	6.01E-04	2.86E-03
5945	640536.2	4166148.9	Worker	Scenario 4	1.74E-02	6.09E-04	2.65E-03
5946	640636.2	4166148.9	Worker	Scenario 4	1.95E-02	6.68E-04	3.75E-03
5947	640736.2	4166148.9	Worker	Scenario 4	2.21E-02	7.41E-04	6.14E-03
5948	640836.2	4166148.9	Worker	Scenario 4	2.63E-02	8.49E-04	7.40E-03
5949	640936.2	4166148.9	Worker	Scenario 4	3.07E-02	9.61E-04	9.20E-03
5950	641036.2	4166148.9	Worker	Scenario 4	3.45E-02	1.06E-03	1.14E-02
5951	641136.2	4166148.9	Worker	Scenario 4	3.85E-02	1.16E-03	1.19E-02
5952	641236.2	4166148.9	Worker	Scenario 4	3.94E-02	1.19E-03	1.19E-02
5953	641336.2	4166148.9	Worker	Scenario 4	4.33E-02	1.28E-03	1.25E-02
5954	641436.2	4166148.9	Worker	Scenario 4	4.71E-02	1.39E-03	1.19E-02
5955	641536.2	4166148.9	Worker	Scenario 4	5.09E-02	1.52E-03	1.56E-02
5956	641636.2	4166148.9	Worker	Scenario 4	5.42E-02	1.63E-03	1.73E-02
5957	641736.2	4166148.9	Worker	Scenario 4	5.78E-02	1.73E-03	1.51E-02
5958	641836.2	4166148.9	Worker	Scenario 4	6.43E-02	1.88E-03	1.58E-02
5959	641936.2	4166148.9	Worker	Scenario 4	7.10E-02	2.04E-03	1.21E-02
5960	642236.2	4166148.9	Worker	Scenario 4	8.61E-02	2.43E-03	6.48E-03
5961	642336.2	4166148.9	Worker	Scenario 4	8.78E-02	2.47E-03	6.61E-03
5962	642436.2	4166148.9	Worker	Scenario 4	8.79E-02	2.47E-03	6.29E-03
5963	642536.2	4166148.9	Worker	Scenario 4	8.78E-02	2.45E-03	5.65E-03
5964	642636.2	4166148.9	Worker	Scenario 4	8.70E-02	2.42E-03	5.45E-03
5965	642736.2	4166148.9	Worker	Scenario 4	8.55E-02	2.37E-03	5.14E-03
5966	642836.2	4166148.9	Worker	Scenario 4	8.39E-02	2.31E-03	4.89E-03
5967	642936.2	4166148.9	Worker	Scenario 4	8.28E-02	2.27E-03	4.16E-03
5968	643036.2	4166148.9	Worker	Scenario 4	8.21E-02	2.24E-03	4.58E-03
5969	644536.2	4166148.9	Worker	Scenario 4	7.31E-02	1.74E-03	1.78E-03
5970	644636.2	4166148.9	Worker	Scenario 4	7.16E-02	1.69E-03	1.90E-03
5971	644736.2	4166148.9	Worker	Scenario 4	6.99E-02	1.63E-03	1.97E-03
5972	644836.2	4166148.9	Worker	Scenario 4	6.82E-02	1.57E-03	1.99E-03
5973	644936.2	4166148.9	Worker	Scenario 4	6.67E-02	1.52E-03	1.99E-03
5974	645036.2	4166148.9	Worker	Scenario 4	6.52E-02	1.46E-03	1.97E-03
5975	645136.2	4166148.9	Worker	Scenario 4	6.38E-02	1.41E-03	2.06E-03
5976	645236.2	4166148.9	Worker	Scenario 4	6.23E-02	1.36E-03	2.25E-03
5977	645336.2	4166148.9	Worker	Scenario 4	6.11E-02	1.31E-03	2.44E-03
5978	645436.2	4166148.9	Worker	Scenario 4	5.97E-02	1.26E-03	2.67E-03
5979	645536.2	4166148.9	Worker	Scenario 4	5.85E-02	1.22E-03	2.82E-03
5980	645636.2	4166148.9	Worker	Scenario 4	5.73E-02	1.18E-03	2.95E-03
5981	645736.2	4166148.9	Worker	Scenario 4	5.62E-02	1.14E-03	3.04E-03
5982	645836.2	4166148.9	Worker	Scenario 4	5.52E-02	1.11E-03	3.09E-03
5983	645936.2	4166148.9	Worker	Scenario 4	5.42E-02	1.08E-03	3.12E-03
5984	646036.2	4166148.9	Worker	Scenario 4	5.32E-02	1.05E-03	3.12E-03
5985	646136.2	4166148.9	Worker	Scenario 4	5.22E-02	1.02E-03	3.09E-03
5986	646336.2	4166148.9	Worker	Scenario 4	5.03E-02	9.66E-04	2.96E-03
5987	646436.2	4166148.9	Worker	Scenario 4	4.94E-02	9.42E-04	2.87E-03
5988	646536.2	4166148.9	Worker	Scenario 4	4.84E-02	9.19E-04	2.76E-03
5989	646636.2	4166148.9	Worker	Scenario 4	4.75E-02	8.97E-04	2.64E-03
5990	646736.2	4166148.9	Worker	Scenario 4	4.66E-02	8.75E-04	2.51E-03
5991	646836.2	4166148.9	Worker	Scenario 4	4.57E-02	8.54E-04	2.37E-03
5992	638236.2	4166248.9	Worker	Scenario 4	7.84E-03	2.87E-04	5.70E-03
5993	638336.2	4166248.9	Worker	Scenario 4	8.76E-03	3.12E-04	6.41E-03
5994	638436.2	4166248.9	Worker	Scenario 4	8.78E-03	3.15E-04	6.90E-03
5995	638536.2	4166248.9	Worker	Scenario 4	8.51E-03	3.11E-04	7.05E-03
5996	638636.2	4166248.9	Worker	Scenario 4	8.08E-03	3.02E-04	6.80E-03
5997	638736.2	4166248.9	Worker	Scenario 4	8.24E-03	3.09E-04	6.15E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
5998	638836.2	4166248.9	Worker	Scenario 4	9.46E-03	3.43E-04	5.18E-03
5999	638936.2	4166248.9	Worker	Scenario 4	9.30E-03	3.42E-04	4.03E-03
6000	639036.2	4166248.9	Worker	Scenario 4	8.87E-03	3.32E-04	2.90E-03
6001	639136.2	4166248.9	Worker	Scenario 4	9.15E-03	3.43E-04	1.92E-03
6002	639236.2	4166248.9	Worker	Scenario 4	1.00E-02	3.69E-04	1.55E-03
6003	639336.2	4166248.9	Worker	Scenario 4	1.03E-02	3.79E-04	1.31E-03
6004	639436.2	4166248.9	Worker	Scenario 4	1.41E-02	4.74E-04	3.93E-03
6005	639536.2	4166248.9	Worker	Scenario 4	1.15E-02	4.15E-04	1.74E-03
6006	639636.2	4166248.9	Worker	Scenario 4	1.27E-02	4.51E-04	2.74E-03
6007	639736.2	4166248.9	Worker	Scenario 4	1.30E-02	4.62E-04	2.57E-03
6008	639836.2	4166248.9	Worker	Scenario 4	1.46E-02	5.05E-04	3.73E-03
6009	639936.2	4166248.9	Worker	Scenario 4	1.56E-02	5.32E-04	3.22E-03
6010	640036.2	4166248.9	Worker	Scenario 4	1.45E-02	5.14E-04	2.82E-03
6011	640136.2	4166248.9	Worker	Scenario 4	1.60E-02	5.55E-04	3.57E-03
6012	640236.2	4166248.9	Worker	Scenario 4	1.78E-02	6.04E-04	4.81E-03
6013	640336.2	4166248.9	Worker	Scenario 4	1.85E-02	6.27E-04	4.14E-03
6014	640436.2	4166248.9	Worker	Scenario 4	2.17E-02	7.07E-04	6.39E-03
6015	640536.2	4166248.9	Worker	Scenario 4	2.38E-02	7.65E-04	6.19E-03
6016	640636.2	4166248.9	Worker	Scenario 4	2.81E-02	8.68E-04	7.76E-03
6017	640736.2	4166248.9	Worker	Scenario 4	3.23E-02	9.73E-04	1.13E-02
6018	640836.2	4166248.9	Worker	Scenario 4	3.58E-02	1.07E-03	1.29E-02
6019	640936.2	4166248.9	Worker	Scenario 4	3.78E-02	1.14E-03	1.31E-02
6020	641036.2	4166248.9	Worker	Scenario 4	4.00E-02	1.20E-03	1.31E-02
6021	641136.2	4166248.9	Worker	Scenario 4	4.37E-02	1.31E-03	1.32E-02
6022	641236.2	4166248.9	Worker	Scenario 4	4.64E-02	1.38E-03	1.55E-02
6023	641336.2	4166248.9	Worker	Scenario 4	5.03E-02	1.48E-03	1.44E-02
6024	641436.2	4166248.9	Worker	Scenario 4	5.49E-02	1.62E-03	1.40E-02
6025	641536.2	4166248.9	Worker	Scenario 4	6.04E-02	1.80E-03	1.72E-02
6026	641636.2	4166248.9	Worker	Scenario 4	6.59E-02	1.97E-03	1.90E-02
6027	641736.2	4166248.9	Worker	Scenario 4	7.03E-02	2.08E-03	1.67E-02
6028	641836.2	4166248.9	Worker	Scenario 4	7.67E-02	2.23E-03	1.74E-02
6029	641936.2	4166248.9	Worker	Scenario 4	8.38E-02	2.41E-03	1.40E-02
6030	642036.2	4166248.9	Worker	Scenario 4	9.21E-02	2.61E-03	1.08E-02
6031	642136.2	4166248.9	Worker	Scenario 4	9.79E-02	2.76E-03	8.19E-03
6032	642236.2	4166248.9	Worker	Scenario 4	1.02E-01	2.85E-03	7.62E-03
6033	642336.2	4166248.9	Worker	Scenario 4	1.02E-01	2.87E-03	7.21E-03
6034	642436.2	4166248.9	Worker	Scenario 4	1.02E-01	2.84E-03	6.35E-03
6035	642536.2	4166248.9	Worker	Scenario 4	9.99E-02	2.78E-03	6.18E-03
6036	642636.2	4166248.9	Worker	Scenario 4	9.81E-02	2.71E-03	5.86E-03
6037	642736.2	4166248.9	Worker	Scenario 4	9.64E-02	2.63E-03	5.34E-03
6038	642836.2	4166248.9	Worker	Scenario 4	9.46E-02	2.57E-03	4.94E-03
6039	642936.2	4166248.9	Worker	Scenario 4	9.29E-02	2.51E-03	5.24E-03
6040	644236.2	4166248.9	Worker	Scenario 4	8.71E-02	2.09E-03	2.10E-03
6041	644336.2	4166248.9	Worker	Scenario 4	8.61E-02	2.05E-03	2.11E-03
6042	644436.2	4166248.9	Worker	Scenario 4	8.37E-02	1.98E-03	2.20E-03
6043	644536.2	4166248.9	Worker	Scenario 4	8.14E-02	1.91E-03	2.22E-03
6044	644636.2	4166248.9	Worker	Scenario 4	7.81E-02	1.82E-03	2.25E-03
6045	644736.2	4166248.9	Worker	Scenario 4	7.62E-02	1.76E-03	2.21E-03
6046	644836.2	4166248.9	Worker	Scenario 4	7.44E-02	1.69E-03	2.30E-03
6047	644936.2	4166248.9	Worker	Scenario 4	7.26E-02	1.63E-03	2.51E-03
6048	645036.2	4166248.9	Worker	Scenario 4	7.08E-02	1.56E-03	2.74E-03
6049	645136.2	4166248.9	Worker	Scenario 4	6.91E-02	1.50E-03	2.95E-03
6050	645236.2	4166248.9	Worker	Scenario 4	6.74E-02	1.44E-03	3.13E-03
6051	645336.2	4166248.9	Worker	Scenario 4	6.59E-02	1.38E-03	3.25E-03
6052	645436.2	4166248.9	Worker	Scenario 4	6.43E-02	1.33E-03	3.37E-03
6053	645536.2	4166248.9	Worker	Scenario 4	6.29E-02	1.28E-03	3.41E-03
6054	645636.2	4166248.9	Worker	Scenario 4	6.16E-02	1.24E-03	3.41E-03
6055	645736.2	4166248.9	Worker	Scenario 4	6.03E-02	1.19E-03	3.38E-03
6056	645836.2	4166248.9	Worker	Scenario 4	5.90E-02	1.16E-03	3.31E-03
6057	645936.2	4166248.9	Worker	Scenario 4	5.79E-02	1.12E-03	3.22E-03
6058	646036.2	4166248.9	Worker	Scenario 4	5.67E-02	1.09E-03	3.11E-03
6059	646136.2	4166248.9	Worker	Scenario 4	5.55E-02	1.06E-03	2.98E-03
6060	646336.2	4166248.9	Worker	Scenario 4	5.33E-02	1.00E-03	2.68E-03
6061	646436.2	4166248.9	Worker	Scenario 4	5.22E-02	9.76E-04	2.53E-03
6062	646536.2	4166248.9	Worker	Scenario 4	5.11E-02	9.50E-04	2.37E-03
6063	646636.2	4166248.9	Worker	Scenario 4	5.00E-02	9.26E-04	2.21E-03
6064	646736.2	4166248.9	Worker	Scenario 4	4.89E-02	9.02E-04	2.06E-03
6065	646836.2	4166248.9	Worker	Scenario 4	4.78E-02	8.79E-04	1.91E-03
6066	646936.2	4166248.9	Worker	Scenario 4	4.68E-02	8.57E-04	1.76E-03
6067	638136.2	4166348.9	Worker	Scenario 4	7.95E-03	2.88E-04	2.66E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
6068	638236.2	4166348.9	Worker	Scenario 4	9.00E-03	3.16E-04	3.43E-03
6069	638336.2	4166348.9	Worker	Scenario 4	8.82E-03	3.14E-04	4.32E-03
6070	638436.2	4166348.9	Worker	Scenario 4	8.84E-03	3.17E-04	5.28E-03
6071	638536.2	4166348.9	Worker	Scenario 4	8.06E-03	3.00E-04	6.22E-03
6072	638636.2	4166348.9	Worker	Scenario 4	8.54E-03	3.15E-04	7.01E-03
6073	638736.2	4166348.9	Worker	Scenario 4	9.58E-03	3.45E-04	7.50E-03
6074	638836.2	4166348.9	Worker	Scenario 4	9.91E-03	3.57E-04	7.56E-03
6075	638936.2	4166348.9	Worker	Scenario 4	9.49E-03	3.49E-04	7.11E-03
6076	639036.2	4166348.9	Worker	Scenario 4	1.01E-02	3.67E-04	6.19E-03
6077	639136.2	4166348.9	Worker	Scenario 4	1.05E-02	3.81E-04	4.95E-03
6078	639236.2	4166348.9	Worker	Scenario 4	1.16E-02	4.12E-04	3.61E-03
6079	639336.2	4166348.9	Worker	Scenario 4	1.16E-02	4.15E-04	2.59E-03
6080	639436.2	4166348.9	Worker	Scenario 4	1.33E-02	4.60E-04	3.40E-03
6081	639536.2	4166348.9	Worker	Scenario 4	1.56E-02	5.19E-04	4.38E-03
6082	639636.2	4166348.9	Worker	Scenario 4	1.44E-02	4.95E-04	3.50E-03
6083	639736.2	4166348.9	Worker	Scenario 4	1.44E-02	5.00E-04	3.40E-03
6084	639836.2	4166348.9	Worker	Scenario 4	1.74E-02	5.76E-04	4.92E-03
6085	639936.2	4166348.9	Worker	Scenario 4	1.84E-02	6.06E-04	5.20E-03
6086	640036.2	4166348.9	Worker	Scenario 4	1.93E-02	6.34E-04	5.00E-03
6087	640136.2	4166348.9	Worker	Scenario 4	2.02E-02	6.59E-04	5.42E-03
6088	640236.2	4166348.9	Worker	Scenario 4	2.21E-02	7.08E-04	6.57E-03
6089	640336.2	4166348.9	Worker	Scenario 4	2.49E-02	7.80E-04	7.30E-03
6090	640436.2	4166348.9	Worker	Scenario 4	2.92E-02	8.80E-04	9.15E-03
6091	640536.2	4166348.9	Worker	Scenario 4	3.33E-02	9.78E-04	1.00E-02
6092	640636.2	4166348.9	Worker	Scenario 4	3.67E-02	1.07E-03	1.09E-02
6093	640736.2	4166348.9	Worker	Scenario 4	3.93E-02	1.14E-03	1.40E-02
6094	640836.2	4166348.9	Worker	Scenario 4	4.06E-02	1.19E-03	1.61E-02
6095	640936.2	4166348.9	Worker	Scenario 4	4.28E-02	1.27E-03	1.75E-02
6096	641036.2	4166348.9	Worker	Scenario 4	4.56E-02	1.36E-03	1.56E-02
6097	641136.2	4166348.9	Worker	Scenario 4	5.01E-02	1.48E-03	1.56E-02
6098	641236.2	4166348.9	Worker	Scenario 4	5.43E-02	1.60E-03	1.86E-02
6099	641336.2	4166348.9	Worker	Scenario 4	5.90E-02	1.74E-03	1.82E-02
6100	641436.2	4166348.9	Worker	Scenario 4	6.53E-02	1.94E-03	1.63E-02
6101	641536.2	4166348.9	Worker	Scenario 4	7.26E-02	2.19E-03	1.94E-02
6102	641636.2	4166348.9	Worker	Scenario 4	8.03E-02	2.40E-03	1.95E-02
6103	641936.2	4166348.9	Worker	Scenario 4	1.03E-01	2.94E-03	1.27E-02
6104	642036.2	4166348.9	Worker	Scenario 4	1.12E-01	3.15E-03	1.07E-02
6105	642136.2	4166348.9	Worker	Scenario 4	1.18E-01	3.30E-03	8.67E-03
6106	642236.2	4166348.9	Worker	Scenario 4	1.20E-01	3.35E-03	8.43E-03
6107	642336.2	4166348.9	Worker	Scenario 4	1.19E-01	3.33E-03	7.57E-03
6108	642436.2	4166348.9	Worker	Scenario 4	1.17E-01	3.26E-03	7.08E-03
6109	642536.2	4166348.9	Worker	Scenario 4	1.15E-01	3.15E-03	6.73E-03
6110	642636.2	4166348.9	Worker	Scenario 4	1.12E-01	3.04E-03	5.82E-03
6111	642736.2	4166348.9	Worker	Scenario 4	1.10E-01	2.95E-03	5.83E-03
6112	642836.2	4166348.9	Worker	Scenario 4	1.08E-01	2.88E-03	5.88E-03
6113	643036.2	4166348.9	Worker	Scenario 4	1.07E-01	2.85E-03	4.69E-03
6114	643136.2	4166348.9	Worker	Scenario 4	1.08E-01	2.86E-03	4.38E-03
6115	643236.2	4166348.9	Worker	Scenario 4	1.08E-01	2.87E-03	4.34E-03
6116	643336.2	4166348.9	Worker	Scenario 4	1.09E-01	2.87E-03	4.10E-03
6117	643436.2	4166348.9	Worker	Scenario 4	1.09E-01	2.85E-03	3.81E-03
6118	643536.2	4166348.9	Worker	Scenario 4	1.08E-01	2.80E-03	3.66E-03
6119	643636.2	4166348.9	Worker	Scenario 4	1.07E-01	2.73E-03	3.41E-03
6120	643736.2	4166348.9	Worker	Scenario 4	1.06E-01	2.68E-03	3.24E-03
6121	643836.2	4166348.9	Worker	Scenario 4	1.05E-01	2.62E-03	2.87E-03
6122	643936.2	4166348.9	Worker	Scenario 4	1.05E-01	2.56E-03	2.56E-03
6123	644036.2	4166348.9	Worker	Scenario 4	1.04E-01	2.51E-03	2.37E-03
6124	644136.2	4166348.9	Worker	Scenario 4	1.01E-01	2.42E-03	2.51E-03
6125	644236.2	4166348.9	Worker	Scenario 4	9.80E-02	2.34E-03	2.54E-03
6126	644336.2	4166348.9	Worker	Scenario 4	9.51E-02	2.25E-03	2.51E-03
6127	644436.2	4166348.9	Worker	Scenario 4	9.24E-02	2.17E-03	2.46E-03
6128	644536.2	4166348.9	Worker	Scenario 4	8.97E-02	2.09E-03	2.52E-03
6129	644636.2	4166348.9	Worker	Scenario 4	8.60E-02	1.99E-03	2.86E-03
6130	644736.2	4166348.9	Worker	Scenario 4	8.38E-02	1.91E-03	3.10E-03
6131	644836.2	4166348.9	Worker	Scenario 4	8.15E-02	1.83E-03	3.32E-03
6132	644936.2	4166348.9	Worker	Scenario 4	7.94E-02	1.75E-03	3.48E-03
6133	645036.2	4166348.9	Worker	Scenario 4	7.73E-02	1.67E-03	3.59E-03
6134	645136.2	4166348.9	Worker	Scenario 4	7.52E-02	1.59E-03	3.66E-03
6135	645236.2	4166348.9	Worker	Scenario 4	7.32E-02	1.52E-03	3.70E-03
6136	645336.2	4166348.9	Worker	Scenario 4	7.13E-02	1.46E-03	3.67E-03
6137	645436.2	4166348.9	Worker	Scenario 4	6.94E-02	1.40E-03	3.63E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6138	645536.2	4166348.9	Worker	Scenario 4	6.77E-02	1.34E-03	3.53E-03
6139	645636.2	4166348.9	Worker	Scenario 4	6.62E-02	1.29E-03	3.39E-03
6140	645736.2	4166348.9	Worker	Scenario 4	6.47E-02	1.25E-03	3.23E-03
6141	645836.2	4166348.9	Worker	Scenario 4	6.32E-02	1.21E-03	3.06E-03
6142	645936.2	4166348.9	Worker	Scenario 4	6.18E-02	1.17E-03	2.88E-03
6143	646036.2	4166348.9	Worker	Scenario 4	6.04E-02	1.13E-03	2.70E-03
6144	646136.2	4166348.9	Worker	Scenario 4	5.90E-02	1.10E-03	2.51E-03
6145	646336.2	4166348.9	Worker	Scenario 4	5.64E-02	1.04E-03	2.15E-03
6146	646436.2	4166348.9	Worker	Scenario 4	5.51E-02	1.01E-03	1.98E-03
6147	646536.2	4166348.9	Worker	Scenario 4	5.38E-02	9.80E-04	1.81E-03
6148	646636.2	4166348.9	Worker	Scenario 4	5.25E-02	9.53E-04	1.66E-03
6149	646736.2	4166348.9	Worker	Scenario 4	5.12E-02	9.27E-04	1.52E-03
6150	646836.2	4166348.9	Worker	Scenario 4	5.00E-02	9.02E-04	1.38E-03
6151	637936.2	4166448.9	Worker	Scenario 4	7.25E-03	2.67E-04	1.17E-03
6152	638036.2	4166448.9	Worker	Scenario 4	7.53E-03	2.76E-04	1.37E-03
6153	638136.2	4166448.9	Worker	Scenario 4	7.74E-03	2.84E-04	1.58E-03
6154	638236.2	4166448.9	Worker	Scenario 4	8.07E-03	2.94E-04	1.79E-03
6155	638336.2	4166448.9	Worker	Scenario 4	1.02E-02	3.46E-04	2.68E-03
6156	638436.2	4166448.9	Worker	Scenario 4	9.09E-03	3.24E-04	2.74E-03
6157	638536.2	4166448.9	Worker	Scenario 4	8.40E-03	3.10E-04	3.61E-03
6158	638636.2	4166448.9	Worker	Scenario 4	9.30E-03	3.36E-04	4.63E-03
6159	638736.2	4166448.9	Worker	Scenario 4	1.02E-02	3.61E-04	5.75E-03
6160	638836.2	4166448.9	Worker	Scenario 4	1.06E-02	3.76E-04	6.84E-03
6161	638936.2	4166448.9	Worker	Scenario 4	1.07E-02	3.81E-04	7.73E-03
6162	639036.2	4166448.9	Worker	Scenario 4	1.27E-02	4.32E-04	8.21E-03
6163	639136.2	4166448.9	Worker	Scenario 4	1.21E-02	4.23E-04	8.11E-03
6164	639236.2	4166448.9	Worker	Scenario 4	1.28E-02	4.46E-04	7.37E-03
6165	639336.2	4166448.9	Worker	Scenario 4	1.38E-02	4.73E-04	6.09E-03
6166	639436.2	4166448.9	Worker	Scenario 4	1.48E-02	5.00E-04	4.53E-03
6167	639536.2	4166448.9	Worker	Scenario 4	1.66E-02	5.45E-04	4.24E-03
6168	639636.2	4166448.9	Worker	Scenario 4	1.82E-02	5.87E-04	4.95E-03
6169	639736.2	4166448.9	Worker	Scenario 4	1.97E-02	6.26E-04	5.24E-03
6170	639836.2	4166448.9	Worker	Scenario 4	2.20E-02	6.84E-04	6.21E-03
6171	639936.2	4166448.9	Worker	Scenario 4	2.40E-02	7.37E-04	7.47E-03
6172	640036.2	4166448.9	Worker	Scenario 4	2.59E-02	7.89E-04	8.82E-03
6173	640136.2	4166448.9	Worker	Scenario 4	2.65E-02	8.10E-04	8.73E-03
6174	640236.2	4166448.9	Worker	Scenario 4	2.69E-02	8.26E-04	6.11E-03
6175	640336.2	4166448.9	Worker	Scenario 4	2.96E-02	8.94E-04	9.15E-03
6176	640436.2	4166448.9	Worker	Scenario 4	3.31E-02	9.80E-04	1.17E-02
6177	640536.2	4166448.9	Worker	Scenario 4	3.70E-02	1.08E-03	1.10E-02
6178	641436.2	4166448.9	Worker	Scenario 4	8.34E-02	2.56E-03	1.91E-02
6179	641536.2	4166448.9	Worker	Scenario 4	9.22E-02	2.83E-03	2.19E-02
6180	641736.2	4166448.9	Worker	Scenario 4	1.11E-01	3.21E-03	1.98E-02
6181	641836.2	4166448.9	Worker	Scenario 4	1.20E-01	3.42E-03	1.67E-02
6182	641936.2	4166448.9	Worker	Scenario 4	1.31E-01	3.69E-03	1.41E-02
6183	642036.2	4166448.9	Worker	Scenario 4	1.40E-01	3.91E-03	1.02E-02
6184	642136.2	4166448.9	Worker	Scenario 4	1.43E-01	4.00E-03	1.00E-02
6185	642236.2	4166448.9	Worker	Scenario 4	1.43E-01	3.99E-03	9.13E-03
6186	642336.2	4166448.9	Worker	Scenario 4	1.40E-01	3.89E-03	8.26E-03
6187	642436.2	4166448.9	Worker	Scenario 4	1.36E-01	3.74E-03	7.85E-03
6188	642536.2	4166448.9	Worker	Scenario 4	1.32E-01	3.58E-03	6.34E-03
6189	642636.2	4166448.9	Worker	Scenario 4	1.29E-01	3.44E-03	6.89E-03
6190	642936.2	4166448.9	Worker	Scenario 4	1.22E-01	3.23E-03	5.12E-03
6191	643036.2	4166448.9	Worker	Scenario 4	1.24E-01	3.28E-03	5.05E-03
6192	643136.2	4166448.9	Worker	Scenario 4	1.24E-01	3.31E-03	4.78E-03
6193	643236.2	4166448.9	Worker	Scenario 4	1.25E-01	3.32E-03	4.41E-03
6194	643336.2	4166448.9	Worker	Scenario 4	1.25E-01	3.32E-03	4.17E-03
6195	643436.2	4166448.9	Worker	Scenario 4	1.26E-01	3.29E-03	3.89E-03
6196	643536.2	4166448.9	Worker	Scenario 4	1.25E-01	3.23E-03	3.60E-03
6197	643636.2	4166448.9	Worker	Scenario 4	1.25E-01	3.17E-03	3.14E-03
6198	643736.2	4166448.9	Worker	Scenario 4	1.24E-01	3.09E-03	2.78E-03
6199	643836.2	4166448.9	Worker	Scenario 4	1.22E-01	3.01E-03	2.89E-03
6200	643936.2	4166448.9	Worker	Scenario 4	1.20E-01	2.92E-03	2.96E-03
6201	644036.2	4166448.9	Worker	Scenario 4	1.17E-01	2.82E-03	2.89E-03
6202	644136.2	4166448.9	Worker	Scenario 4	1.13E-01	2.72E-03	2.83E-03
6203	644236.2	4166448.9	Worker	Scenario 4	1.10E-01	2.61E-03	2.87E-03
6204	644336.2	4166448.9	Worker	Scenario 4	1.06E-01	2.51E-03	3.13E-03
6205	644436.2	4166448.9	Worker	Scenario 4	1.03E-01	2.41E-03	3.41E-03
6206	644536.2	4166448.9	Worker	Scenario 4	9.96E-02	2.31E-03	3.64E-03
6207	644636.2	4166448.9	Worker	Scenario 4	9.54E-02	2.19E-03	3.93E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6208	644736.2	4166448.9	Worker	Scenario 4	9.27E-02	2.09E-03	4.01E-03
6209	644836.2	4166448.9	Worker	Scenario 4	8.99E-02	1.98E-03	4.03E-03
6210	644936.2	4166448.9	Worker	Scenario 4	8.72E-02	1.88E-03	3.99E-03
6211	645036.2	4166448.9	Worker	Scenario 4	8.46E-02	1.79E-03	3.91E-03
6212	645136.2	4166448.9	Worker	Scenario 4	8.20E-02	1.69E-03	3.80E-03
6213	645236.2	4166448.9	Worker	Scenario 4	7.95E-02	1.61E-03	3.67E-03
6214	645336.2	4166448.9	Worker	Scenario 4	7.73E-02	1.54E-03	3.49E-03
6215	645436.2	4166448.9	Worker	Scenario 4	7.51E-02	1.47E-03	3.32E-03
6216	645536.2	4166448.9	Worker	Scenario 4	7.31E-02	1.41E-03	3.10E-03
6217	645636.2	4166448.9	Worker	Scenario 4	7.12E-02	1.36E-03	2.89E-03
6218	645736.2	4166448.9	Worker	Scenario 4	6.94E-02	1.31E-03	2.67E-03
6219	645836.2	4166448.9	Worker	Scenario 4	6.76E-02	1.26E-03	2.45E-03
6220	645936.2	4166448.9	Worker	Scenario 4	6.59E-02	1.22E-03	2.24E-03
6221	646036.2	4166448.9	Worker	Scenario 4	6.43E-02	1.18E-03	2.04E-03
6222	646136.2	4166448.9	Worker	Scenario 4	6.27E-02	1.14E-03	1.86E-03
6223	646336.2	4166448.9	Worker	Scenario 4	5.95E-02	1.07E-03	1.53E-03
6224	646436.2	4166448.9	Worker	Scenario 4	5.80E-02	1.04E-03	1.41E-03
6225	646536.2	4166448.9	Worker	Scenario 4	5.64E-02	1.01E-03	1.32E-03
6226	646636.2	4166448.9	Worker	Scenario 4	5.49E-02	9.79E-04	1.24E-03
6227	646736.2	4166448.9	Worker	Scenario 4	5.35E-02	9.51E-04	1.18E-03
6228	646836.2	4166448.9	Worker	Scenario 4	5.22E-02	9.25E-04	1.14E-03
6229	637736.2	4166548.9	Worker	Scenario 4	7.62E-03	2.73E-04	1.32E-03
6230	637836.2	4166548.9	Worker	Scenario 4	7.17E-03	2.64E-04	8.41E-04
6231	637936.2	4166548.9	Worker	Scenario 4	7.41E-03	2.72E-04	9.40E-04
6232	638036.2	4166548.9	Worker	Scenario 4	7.75E-03	2.83E-04	1.03E-03
6233	638136.2	4166548.9	Worker	Scenario 4	8.27E-03	2.98E-04	1.17E-03
6234	638236.2	4166548.9	Worker	Scenario 4	9.53E-03	3.29E-04	2.36E-03
6235	638336.2	4166548.9	Worker	Scenario 4	9.85E-03	3.40E-04	2.43E-03
6236	638436.2	4166548.9	Worker	Scenario 4	1.01E-02	3.49E-04	2.45E-03
6237	638536.2	4166548.9	Worker	Scenario 4	1.01E-02	3.53E-04	2.48E-03
6238	638636.2	4166548.9	Worker	Scenario 4	1.08E-02	3.72E-04	2.80E-03
6239	638736.2	4166548.9	Worker	Scenario 4	1.14E-02	3.90E-04	3.04E-03
6240	638836.2	4166548.9	Worker	Scenario 4	1.25E-02	4.19E-04	3.79E-03
6241	638936.2	4166548.9	Worker	Scenario 4	1.32E-02	4.41E-04	4.99E-03
6242	639036.2	4166548.9	Worker	Scenario 4	1.51E-02	4.88E-04	6.31E-03
6243	639136.2	4166548.9	Worker	Scenario 4	1.66E-02	5.26E-04	7.59E-03
6244	639236.2	4166548.9	Worker	Scenario 4	1.80E-02	5.63E-04	8.59E-03
6245	639336.2	4166548.9	Worker	Scenario 4	1.72E-02	5.51E-04	9.02E-03
6246	639436.2	4166548.9	Worker	Scenario 4	1.78E-02	5.72E-04	8.67E-03
6247	639536.2	4166548.9	Worker	Scenario 4	1.84E-02	5.91E-04	7.50E-03
6248	639636.2	4166548.9	Worker	Scenario 4	2.05E-02	6.43E-04	6.02E-03
6249	639736.2	4166548.9	Worker	Scenario 4	2.16E-02	6.75E-04	6.12E-03
6250	639836.2	4166548.9	Worker	Scenario 4	2.35E-02	7.25E-04	6.99E-03
6251	639936.2	4166548.9	Worker	Scenario 4	2.60E-02	7.89E-04	7.64E-03
6252	640036.2	4166548.9	Worker	Scenario 4	2.86E-02	8.58E-04	7.17E-03
6253	640136.2	4166548.9	Worker	Scenario 4	2.99E-02	8.98E-04	1.04E-02
6254	640236.2	4166548.9	Worker	Scenario 4	3.10E-02	9.31E-04	1.06E-02
6255	640336.2	4166548.9	Worker	Scenario 4	3.36E-02	9.95E-04	9.79E-03
6256	640436.2	4166548.9	Worker	Scenario 4	3.68E-02	1.07E-03	1.07E-02
6257	640536.2	4166548.9	Worker	Scenario 4	4.09E-02	1.18E-03	1.40E-02
6258	641636.2	4166548.9	Worker	Scenario 4	1.30E-01	3.82E-03	2.28E-02
6259	641736.2	4166548.9	Worker	Scenario 4	1.42E-01	4.10E-03	2.35E-02
6260	641836.2	4166548.9	Worker	Scenario 4	1.57E-01	4.45E-03	1.66E-02
6261	641936.2	4166548.9	Worker	Scenario 4	1.70E-01	4.75E-03	1.52E-02
6262	642036.2	4166548.9	Worker	Scenario 4	1.77E-01	4.94E-03	1.17E-02
6263	642136.2	4166548.9	Worker	Scenario 4	1.78E-01	4.95E-03	1.11E-02
6264	642236.2	4166548.9	Worker	Scenario 4	1.73E-01	4.82E-03	9.80E-03
6265	642336.2	4166548.9	Worker	Scenario 4	1.67E-01	4.59E-03	9.29E-03
6266	642436.2	4166548.9	Worker	Scenario 4	1.60E-01	4.32E-03	7.53E-03
6267	642536.2	4166548.9	Worker	Scenario 4	1.54E-01	4.09E-03	8.23E-03
6268	642836.2	4166548.9	Worker	Scenario 4	1.45E-01	3.79E-03	6.03E-03
6269	642936.2	4166548.9	Worker	Scenario 4	1.43E-01	3.79E-03	5.75E-03
6270	643036.2	4166548.9	Worker	Scenario 4	1.45E-01	3.88E-03	5.20E-03
6271	643136.2	4166548.9	Worker	Scenario 4	1.46E-01	3.93E-03	4.84E-03
6272	643236.2	4166548.9	Worker	Scenario 4	1.47E-01	3.95E-03	4.53E-03
6273	643336.2	4166548.9	Worker	Scenario 4	1.47E-01	3.93E-03	4.05E-03
6274	643436.2	4166548.9	Worker	Scenario 4	1.47E-01	3.87E-03	3.51E-03
6275	643536.2	4166548.9	Worker	Scenario 4	1.47E-01	3.78E-03	3.36E-03
6276	643636.2	4166548.9	Worker	Scenario 4	1.46E-01	3.69E-03	3.49E-03
6277	643736.2	4166548.9	Worker	Scenario 4	1.44E-01	3.59E-03	3.43E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6278	643836.2	4166548.9	Worker	Scenario 4	1.41E-01	3.48E-03	3.30E-03
6279	643936.2	4166548.9	Worker	Scenario 4	1.37E-01	3.36E-03	3.31E-03
6280	644036.2	4166548.9	Worker	Scenario 4	1.33E-01	3.24E-03	3.60E-03
6281	644136.2	4166548.9	Worker	Scenario 4	1.28E-01	3.11E-03	3.90E-03
6282	644236.2	4166548.9	Worker	Scenario 4	1.24E-01	2.99E-03	4.13E-03
6283	644336.2	4166548.9	Worker	Scenario 4	1.20E-01	2.86E-03	4.27E-03
6284	644436.2	4166548.9	Worker	Scenario 4	1.16E-01	2.73E-03	4.34E-03
6285	644536.2	4166548.9	Worker	Scenario 4	1.12E-01	2.59E-03	4.33E-03
6286	644636.2	4166548.9	Worker	Scenario 4	1.07E-01	2.43E-03	4.35E-03
6287	644736.2	4166548.9	Worker	Scenario 4	1.03E-01	2.29E-03	4.20E-03
6288	644836.2	4166548.9	Worker	Scenario 4	9.97E-02	2.16E-03	3.99E-03
6289	644936.2	4166548.9	Worker	Scenario 4	9.63E-02	2.03E-03	3.76E-03
6290	645036.2	4166548.9	Worker	Scenario 4	9.30E-02	1.91E-03	3.52E-03
6291	645136.2	4166548.9	Worker	Scenario 4	8.97E-02	1.80E-03	3.28E-03
6292	645236.2	4166548.9	Worker	Scenario 4	8.67E-02	1.70E-03	3.04E-03
6293	645336.2	4166548.9	Worker	Scenario 4	8.39E-02	1.62E-03	2.79E-03
6294	645436.2	4166548.9	Worker	Scenario 4	8.12E-02	1.54E-03	2.56E-03
6295	645536.2	4166548.9	Worker	Scenario 4	7.88E-02	1.48E-03	2.33E-03
6296	645636.2	4166548.9	Worker	Scenario 4	7.65E-02	1.42E-03	2.11E-03
6297	645736.2	4166548.9	Worker	Scenario 4	7.43E-02	1.36E-03	1.90E-03
6298	645836.2	4166548.9	Worker	Scenario 4	7.22E-02	1.31E-03	1.71E-03
6299	645936.2	4166548.9	Worker	Scenario 4	7.02E-02	1.26E-03	1.59E-03
6300	646036.2	4166548.9	Worker	Scenario 4	6.82E-02	1.22E-03	1.48E-03
6301	646136.2	4166548.9	Worker	Scenario 4	6.62E-02	1.18E-03	1.40E-03
6302	646336.2	4166548.9	Worker	Scenario 4	6.24E-02	1.10E-03	1.29E-03
6303	646436.2	4166548.9	Worker	Scenario 4	6.06E-02	1.07E-03	1.24E-03
6304	646536.2	4166548.9	Worker	Scenario 4	5.89E-02	1.03E-03	1.19E-03
6305	646636.2	4166548.9	Worker	Scenario 4	5.73E-02	1.00E-03	1.13E-03
6306	646936.2	4166548.9	Worker	Scenario 4	5.29E-02	9.19E-04	9.98E-04
6307	637636.2	4166648.9	Worker	Scenario 4	8.77E-03	2.97E-04	2.14E-03
6308	637736.2	4166648.9	Worker	Scenario 4	8.97E-03	3.04E-04	2.17E-03
6309	637836.2	4166648.9	Worker	Scenario 4	8.99E-03	3.07E-04	2.16E-03
6310	637936.2	4166648.9	Worker	Scenario 4	8.97E-03	3.09E-04	2.11E-03
6311	638036.2	4166648.9	Worker	Scenario 4	1.01E-02	3.36E-04	2.55E-03
6312	638136.2	4166648.9	Worker	Scenario 4	1.02E-02	3.42E-04	2.53E-03
6313	638236.2	4166648.9	Worker	Scenario 4	1.07E-02	3.56E-04	2.59E-03
6314	638336.2	4166648.9	Worker	Scenario 4	1.07E-02	3.59E-04	2.40E-03
6315	638436.2	4166648.9	Worker	Scenario 4	1.16E-02	3.81E-04	2.46E-03
6316	638536.2	4166648.9	Worker	Scenario 4	1.22E-02	3.99E-04	2.53E-03
6317	638636.2	4166648.9	Worker	Scenario 4	1.28E-02	4.16E-04	2.89E-03
6318	638736.2	4166648.9	Worker	Scenario 4	1.34E-02	4.35E-04	3.25E-03
6319	638836.2	4166648.9	Worker	Scenario 4	1.37E-02	4.47E-04	3.50E-03
6320	638936.2	4166648.9	Worker	Scenario 4	1.46E-02	4.71E-04	3.71E-03
6321	639036.2	4166648.9	Worker	Scenario 4	1.60E-02	5.08E-04	4.16E-03
6322	639136.2	4166648.9	Worker	Scenario 4	1.78E-02	5.53E-04	5.12E-03
6323	639236.2	4166648.9	Worker	Scenario 4	1.96E-02	5.98E-04	6.04E-03
6324	639336.2	4166648.9	Worker	Scenario 4	2.00E-02	6.14E-04	6.99E-03
6325	639436.2	4166648.9	Worker	Scenario 4	1.95E-02	6.11E-04	8.53E-03
6326	639536.2	4166648.9	Worker	Scenario 4	2.07E-02	6.46E-04	9.67E-03
6327	639636.2	4166648.9	Worker	Scenario 4	2.12E-02	6.65E-04	9.98E-03
6328	639736.2	4166648.9	Worker	Scenario 4	2.33E-02	7.19E-04	9.19E-03
6329	639836.2	4166648.9	Worker	Scenario 4	2.52E-02	7.71E-04	7.53E-03
6330	639936.2	4166648.9	Worker	Scenario 4	2.76E-02	8.33E-04	8.73E-03
6331	640036.2	4166648.9	Worker	Scenario 4	3.04E-02	9.08E-04	8.83E-03
6332	640136.2	4166648.9	Worker	Scenario 4	3.34E-02	9.86E-04	9.92E-03
6333	640236.2	4166648.9	Worker	Scenario 4	3.52E-02	1.04E-03	1.00E-02
6334	640336.2	4166648.9	Worker	Scenario 4	3.79E-02	1.11E-03	1.33E-02
6335	640436.2	4166648.9	Worker	Scenario 4	4.13E-02	1.19E-03	1.41E-02
6336	640536.2	4166648.9	Worker	Scenario 4	4.58E-02	1.31E-03	1.10E-02
6337	641536.2	4166648.9	Worker	Scenario 4	1.65E-01	4.88E-03	2.80E-02
6338	641636.2	4166648.9	Worker	Scenario 4	1.75E-01	5.06E-03	2.65E-02
6339	641736.2	4166648.9	Worker	Scenario 4	1.97E-01	5.58E-03	2.29E-02
6340	641836.2	4166648.9	Worker	Scenario 4	2.17E-01	6.08E-03	1.94E-02
6341	641936.2	4166648.9	Worker	Scenario 4	2.32E-01	6.45E-03	1.45E-02
6342	642036.2	4166648.9	Worker	Scenario 4	2.34E-01	6.50E-03	1.35E-02
6343	642136.2	4166648.9	Worker	Scenario 4	2.28E-01	6.32E-03	1.19E-02
6344	642236.2	4166648.9	Worker	Scenario 4	2.16E-01	5.94E-03	1.11E-02
6345	642336.2	4166648.9	Worker	Scenario 4	2.03E-01	5.48E-03	9.63E-03
6346	642436.2	4166648.9	Worker	Scenario 4	1.92E-01	5.04E-03	9.61E-03
6347	642736.2	4166648.9	Worker	Scenario 4	1.74E-01	4.46E-03	7.00E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6348	642836.2	4166648.9	Worker	Scenario 4	1.74E-01	4.55E-03	6.32E-03
6349	642936.2	4166648.9	Worker	Scenario 4	1.72E-01	4.63E-03	5.80E-03
6350	643036.2	4166648.9	Worker	Scenario 4	1.74E-01	4.77E-03	5.33E-03
6351	643136.2	4166648.9	Worker	Scenario 4	1.76E-01	4.86E-03	4.58E-03
6352	643236.2	4166648.9	Worker	Scenario 4	1.77E-01	4.88E-03	3.99E-03
6353	643336.2	4166648.9	Worker	Scenario 4	1.77E-01	4.81E-03	4.21E-03
6354	643436.2	4166648.9	Worker	Scenario 4	1.77E-01	4.70E-03	4.16E-03
6355	643536.2	4166648.9	Worker	Scenario 4	1.76E-01	4.58E-03	3.93E-03
6356	643636.2	4166648.9	Worker	Scenario 4	1.74E-01	4.45E-03	3.87E-03
6357	643736.2	4166648.9	Worker	Scenario 4	1.71E-01	4.30E-03	4.19E-03
6358	643836.2	4166648.9	Worker	Scenario 4	1.66E-01	4.15E-03	4.51E-03
6359	643936.2	4166648.9	Worker	Scenario 4	1.60E-01	4.00E-03	4.72E-03
6360	644036.2	4166648.9	Worker	Scenario 4	1.55E-01	3.85E-03	4.82E-03
6361	644136.2	4166648.9	Worker	Scenario 4	1.49E-01	3.70E-03	4.81E-03
6362	644236.2	4166648.9	Worker	Scenario 4	1.44E-01	3.54E-03	4.72E-03
6363	644336.2	4166648.9	Worker	Scenario 4	1.39E-01	3.36E-03	4.55E-03
6364	644436.2	4166648.9	Worker	Scenario 4	1.33E-01	3.16E-03	4.33E-03
6365	644536.2	4166648.9	Worker	Scenario 4	1.28E-01	2.95E-03	4.07E-03
6366	644636.2	4166648.9	Worker	Scenario 4	1.21E-01	2.73E-03	3.84E-03
6367	644736.2	4166648.9	Worker	Scenario 4	1.16E-01	2.54E-03	3.52E-03
6368	644836.2	4166648.9	Worker	Scenario 4	1.11E-01	2.36E-03	3.20E-03
6369	644936.2	4166648.9	Worker	Scenario 4	1.07E-01	2.19E-03	2.89E-03
6370	645036.2	4166648.9	Worker	Scenario 4	1.02E-01	2.04E-03	2.61E-03
6371	645136.2	4166648.9	Worker	Scenario 4	9.82E-02	1.91E-03	2.35E-03
6372	645236.2	4166648.9	Worker	Scenario 4	9.44E-02	1.80E-03	2.12E-03
6373	645336.2	4166648.9	Worker	Scenario 4	9.10E-02	1.70E-03	1.95E-03
6374	645436.2	4166648.9	Worker	Scenario 4	8.78E-02	1.62E-03	1.81E-03
6375	645536.2	4166648.9	Worker	Scenario 4	8.49E-02	1.54E-03	1.70E-03
6376	645636.2	4166648.9	Worker	Scenario 4	8.21E-02	1.48E-03	1.63E-03
6377	645736.2	4166648.9	Worker	Scenario 4	7.94E-02	1.42E-03	1.56E-03
6378	645836.2	4166648.9	Worker	Scenario 4	7.68E-02	1.36E-03	1.49E-03
6379	646836.2	4166648.9	Worker	Scenario 4	5.64E-02	9.65E-04	1.07E-03
6380	646936.2	4166648.9	Worker	Scenario 4	5.49E-02	9.37E-04	1.04E-03
6381	647036.2	4166648.9	Worker	Scenario 4	5.34E-02	9.11E-04	1.02E-03
6382	637436.2	4166748.9	Worker	Scenario 4	7.86E-03	2.73E-04	1.69E-03
6383	637536.2	4166748.9	Worker	Scenario 4	7.87E-03	2.75E-04	1.61E-03
6384	637636.2	4166748.9	Worker	Scenario 4	8.67E-03	2.96E-04	1.90E-03
6385	637736.2	4166748.9	Worker	Scenario 4	9.14E-03	3.09E-04	2.00E-03
6386	637836.2	4166748.9	Worker	Scenario 4	1.01E-02	3.32E-04	2.40E-03
6387	637936.2	4166748.9	Worker	Scenario 4	1.09E-02	3.52E-04	2.65E-03
6388	638036.2	4166748.9	Worker	Scenario 4	1.19E-02	3.76E-04	2.85E-03
6389	638136.2	4166748.9	Worker	Scenario 4	1.19E-02	3.79E-04	2.95E-03
6390	638236.2	4166748.9	Worker	Scenario 4	1.11E-02	3.66E-04	2.82E-03
6391	638336.2	4166748.9	Worker	Scenario 4	1.13E-02	3.74E-04	2.88E-03
6392	638436.2	4166748.9	Worker	Scenario 4	1.19E-02	3.90E-04	3.08E-03
6393	638536.2	4166748.9	Worker	Scenario 4	1.25E-02	4.07E-04	3.23E-03
6394	638636.2	4166748.9	Worker	Scenario 4	1.35E-02	4.33E-04	3.38E-03
6395	638736.2	4166748.9	Worker	Scenario 4	1.43E-02	4.55E-04	3.41E-03
6396	638836.2	4166748.9	Worker	Scenario 4	1.49E-02	4.74E-04	3.33E-03
6397	638936.2	4166748.9	Worker	Scenario 4	1.60E-02	5.03E-04	3.23E-03
6398	639036.2	4166748.9	Worker	Scenario 4	1.73E-02	5.36E-04	3.93E-03
6399	639136.2	4166748.9	Worker	Scenario 4	1.89E-02	5.76E-04	5.38E-03
6400	639236.2	4166748.9	Worker	Scenario 4	2.09E-02	6.27E-04	6.70E-03
6401	639336.2	4166748.9	Worker	Scenario 4	2.15E-02	6.47E-04	6.85E-03
6402	639436.2	4166748.9	Worker	Scenario 4	2.22E-02	6.69E-04	6.41E-03
6403	639536.2	4166748.9	Worker	Scenario 4	2.31E-02	6.99E-04	6.99E-03
6404	639636.2	4166748.9	Worker	Scenario 4	2.42E-02	7.32E-04	7.84E-03
6405	639736.2	4166748.9	Worker	Scenario 4	2.55E-02	7.71E-04	9.75E-03
6406	639836.2	4166748.9	Worker	Scenario 4	2.73E-02	8.21E-04	1.10E-02
6407	639936.2	4166748.9	Worker	Scenario 4	2.99E-02	8.92E-04	1.11E-02
6408	640036.2	4166748.9	Worker	Scenario 4	3.26E-02	9.65E-04	9.73E-03
6409	640136.2	4166748.9	Worker	Scenario 4	3.59E-02	1.05E-03	1.37E-02
6410	640236.2	4166748.9	Worker	Scenario 4	3.92E-02	1.14E-03	1.15E-02
6411	640336.2	4166748.9	Worker	Scenario 4	4.26E-02	1.22E-03	1.23E-02
6412	640436.2	4166748.9	Worker	Scenario 4	4.63E-02	1.32E-03	1.40E-02
6413	640536.2	4166748.9	Worker	Scenario 4	5.12E-02	1.44E-03	1.65E-02
6414	644536.2	4166748.9	Worker	Scenario 4	1.49E-01	3.45E-03	3.02E-03
6415	644636.2	4166748.9	Worker	Scenario 4	1.39E-01	3.12E-03	2.72E-03
6416	644836.2	4166748.9	Worker	Scenario 4	1.25E-01	2.58E-03	2.24E-03
6417	644936.2	4166748.9	Worker	Scenario 4	1.18E-01	2.36E-03	2.10E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6418	645036.2	4166748.9	Worker	Scenario 4	1.13E-01	2.16E-03	2.00E-03
6419	645136.2	4166748.9	Worker	Scenario 4	1.07E-01	2.01E-03	1.91E-03
6420	645236.2	4166748.9	Worker	Scenario 4	1.03E-01	1.88E-03	1.81E-03
6421	645336.2	4166748.9	Worker	Scenario 4	9.84E-02	1.78E-03	1.71E-03
6422	645436.2	4166748.9	Worker	Scenario 4	9.45E-02	1.69E-03	1.63E-03
6423	645536.2	4166748.9	Worker	Scenario 4	9.09E-02	1.60E-03	1.55E-03
6424	645636.2	4166748.9	Worker	Scenario 4	8.75E-02	1.53E-03	1.47E-03
6425	645736.2	4166748.9	Worker	Scenario 4	8.43E-02	1.46E-03	1.44E-03
6426	645936.2	4166748.9	Worker	Scenario 4	7.83E-02	1.35E-03	1.38E-03
6427	646036.2	4166748.9	Worker	Scenario 4	7.55E-02	1.29E-03	1.35E-03
6428	646436.2	4166748.9	Worker	Scenario 4	6.59E-02	1.12E-03	1.20E-03
6429	646536.2	4166748.9	Worker	Scenario 4	6.39E-02	1.08E-03	1.16E-03
6430	646636.2	4166748.9	Worker	Scenario 4	6.20E-02	1.05E-03	1.12E-03
6431	646736.2	4166748.9	Worker	Scenario 4	6.02E-02	1.01E-03	1.10E-03
6432	646836.2	4166748.9	Worker	Scenario 4	5.84E-02	9.82E-04	1.07E-03
6433	646936.2	4166748.9	Worker	Scenario 4	5.67E-02	9.53E-04	1.05E-03
6434	647036.2	4166748.9	Worker	Scenario 4	5.52E-02	9.26E-04	1.02E-03
6435	637336.2	4166848.9	Worker	Scenario 4	7.76E-03	2.69E-04	1.66E-03
6436	637436.2	4166848.9	Worker	Scenario 4	8.28E-03	2.83E-04	1.87E-03
6437	637536.2	4166848.9	Worker	Scenario 4	8.31E-03	2.87E-04	1.84E-03
6438	637636.2	4166848.9	Worker	Scenario 4	9.09E-03	3.06E-04	2.12E-03
6439	637736.2	4166848.9	Worker	Scenario 4	9.84E-03	3.25E-04	2.30E-03
6440	637836.2	4166848.9	Worker	Scenario 4	1.06E-02	3.44E-04	2.45E-03
6441	637936.2	4166848.9	Worker	Scenario 4	1.18E-02	3.71E-04	3.02E-03
6442	638036.2	4166848.9	Worker	Scenario 4	1.26E-02	3.92E-04	3.33E-03
6443	638136.2	4166848.9	Worker	Scenario 4	1.27E-02	3.98E-04	3.31E-03
6444	638236.2	4166848.9	Worker	Scenario 4	1.19E-02	3.85E-04	2.75E-03
6445	638336.2	4166848.9	Worker	Scenario 4	1.20E-02	3.92E-04	2.77E-03
6446	638436.2	4166848.9	Worker	Scenario 4	1.28E-02	4.12E-04	3.07E-03
6447	638536.2	4166848.9	Worker	Scenario 4	1.33E-02	4.27E-04	3.30E-03
6448	638636.2	4166848.9	Worker	Scenario 4	1.40E-02	4.48E-04	3.52E-03
6449	638736.2	4166848.9	Worker	Scenario 4	1.51E-02	4.75E-04	3.73E-03
6450	638836.2	4166848.9	Worker	Scenario 4	1.59E-02	4.99E-04	3.86E-03
6451	638936.2	4166848.9	Worker	Scenario 4	1.69E-02	5.26E-04	4.08E-03
6452	639036.2	4166848.9	Worker	Scenario 4	1.83E-02	5.63E-04	4.22E-03
6453	639136.2	4166848.9	Worker	Scenario 4	2.01E-02	6.08E-04	4.22E-03
6454	639236.2	4166848.9	Worker	Scenario 4	2.20E-02	6.55E-04	4.12E-03
6455	639336.2	4166848.9	Worker	Scenario 4	2.31E-02	6.85E-04	4.90E-03
6456	639436.2	4166848.9	Worker	Scenario 4	2.40E-02	7.12E-04	6.25E-03
6457	639536.2	4166848.9	Worker	Scenario 4	2.52E-02	7.47E-04	7.61E-03
6458	639636.2	4166848.9	Worker	Scenario 4	2.67E-02	7.89E-04	8.63E-03
6459	639736.2	4166848.9	Worker	Scenario 4	2.82E-02	8.32E-04	8.89E-03
6460	644836.2	4166848.9	Worker	Scenario 4	1.40E-01	2.81E-03	2.04E-03
6461	644936.2	4166848.9	Worker	Scenario 4	1.31E-01	2.50E-03	1.91E-03
6462	645036.2	4166848.9	Worker	Scenario 4	1.23E-01	2.28E-03	1.87E-03
6463	645136.2	4166848.9	Worker	Scenario 4	1.16E-01	2.10E-03	1.83E-03
6464	645236.2	4166848.9	Worker	Scenario 4	1.11E-01	1.96E-03	1.78E-03
6465	645336.2	4166848.9	Worker	Scenario 4	1.06E-01	1.84E-03	1.72E-03
6466	645436.2	4166848.9	Worker	Scenario 4	1.01E-01	1.74E-03	1.67E-03
6467	645536.2	4166848.9	Worker	Scenario 4	9.66E-02	1.65E-03	1.61E-03
6468	645636.2	4166848.9	Worker	Scenario 4	9.26E-02	1.57E-03	1.54E-03
6469	645836.2	4166848.9	Worker	Scenario 4	8.52E-02	1.44E-03	1.44E-03
6470	645936.2	4166848.9	Worker	Scenario 4	8.16E-02	1.37E-03	1.40E-03
6471	646436.2	4166848.9	Worker	Scenario 4	6.84E-02	1.14E-03	1.19E-03
6472	646536.2	4166848.9	Worker	Scenario 4	6.62E-02	1.10E-03	1.15E-03
6473	646636.2	4166848.9	Worker	Scenario 4	6.41E-02	1.06E-03	1.13E-03
6474	646736.2	4166848.9	Worker	Scenario 4	6.22E-02	1.03E-03	1.10E-03
6475	646836.2	4166848.9	Worker	Scenario 4	6.02E-02	9.98E-04	1.07E-03
6476	646936.2	4166848.9	Worker	Scenario 4	5.85E-02	9.68E-04	1.05E-03
6477	647036.2	4166848.9	Worker	Scenario 4	5.68E-02	9.40E-04	1.02E-03
6478	637136.2	4166948.9	Worker	Scenario 4	7.75E-03	2.67E-04	1.73E-03
6479	637236.2	4166948.9	Worker	Scenario 4	7.99E-03	2.74E-04	1.79E-03
6480	637336.2	4166948.9	Worker	Scenario 4	8.04E-03	2.78E-04	1.75E-03
6481	637436.2	4166948.9	Worker	Scenario 4	8.79E-03	2.97E-04	2.00E-03
6482	637536.2	4166948.9	Worker	Scenario 4	8.88E-03	3.01E-04	1.98E-03
6483	637636.2	4166948.9	Worker	Scenario 4	9.66E-03	3.21E-04	2.16E-03
6484	637736.2	4166948.9	Worker	Scenario 4	1.04E-02	3.39E-04	2.26E-03
6485	637836.2	4166948.9	Worker	Scenario 4	1.01E-02	3.36E-04	2.22E-03
6486	637936.2	4166948.9	Worker	Scenario 4	1.05E-02	3.47E-04	2.37E-03
6487	638036.2	4166948.9	Worker	Scenario 4	1.19E-02	3.81E-04	2.66E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6488	638136.2	4166948.9	Worker	Scenario 4	1.40E-02	4.30E-04	2.87E-03
6489	638236.2	4166948.9	Worker	Scenario 4	1.26E-02	4.03E-04	2.91E-03
6490	638336.2	4166948.9	Worker	Scenario 4	1.27E-02	4.09E-04	3.00E-03
6491	638436.2	4166948.9	Worker	Scenario 4	1.41E-02	4.43E-04	3.42E-03
6492	638536.2	4166948.9	Worker	Scenario 4	1.40E-02	4.47E-04	3.44E-03
6493	638636.2	4166948.9	Worker	Scenario 4	1.49E-02	4.70E-04	3.81E-03
6494	638736.2	4166948.9	Worker	Scenario 4	1.58E-02	4.96E-04	4.13E-03
6495	638836.2	4166948.9	Worker	Scenario 4	1.70E-02	5.28E-04	4.46E-03
6496	638936.2	4166948.9	Worker	Scenario 4	1.79E-02	5.54E-04	4.56E-03
6497	639036.2	4166948.9	Worker	Scenario 4	1.92E-02	5.89E-04	4.93E-03
6498	639136.2	4166948.9	Worker	Scenario 4	2.07E-02	6.28E-04	5.22E-03
6499	639236.2	4166948.9	Worker	Scenario 4	2.24E-02	6.72E-04	5.88E-03
6500	639336.2	4166948.9	Worker	Scenario 4	2.44E-02	7.23E-04	6.46E-03
6501	639436.2	4166948.9	Worker	Scenario 4	2.63E-02	7.72E-04	6.63E-03
6502	639536.2	4166948.9	Worker	Scenario 4	2.73E-02	8.03E-04	6.22E-03
6503	639636.2	4166948.9	Worker	Scenario 4	2.91E-02	8.53E-04	5.62E-03
6504	639736.2	4166948.9	Worker	Scenario 4	3.10E-02	9.05E-04	6.56E-03
6505	639836.2	4166948.9	Worker	Scenario 4	3.32E-02	9.66E-04	8.73E-03
6506	639936.2	4166948.9	Worker	Scenario 4	3.57E-02	1.04E-03	1.08E-02
6507	640036.2	4166948.9	Worker	Scenario 4	3.92E-02	1.13E-03	1.22E-02
6508	640136.2	4166948.9	Worker	Scenario 4	4.29E-02	1.23E-03	1.41E-02
6509	640236.2	4166948.9	Worker	Scenario 4	4.71E-02	1.34E-03	2.06E-02
6510	640336.2	4166948.9	Worker	Scenario 4	5.17E-02	1.46E-03	2.67E-02
6511	640436.2	4166948.9	Worker	Scenario 4	5.72E-02	1.60E-03	2.93E-02
6512	640536.2	4166948.9	Worker	Scenario 4	6.33E-02	1.75E-03	2.57E-02
6513	640636.2	4166948.9	Worker	Scenario 4	7.00E-02	1.92E-03	1.79E-02
6514	640736.2	4166948.9	Worker	Scenario 4	7.99E-02	2.17E-03	1.82E-02
6515	645636.2	4166948.9	Worker	Scenario 4	9.67E-02	1.61E-03	1.55E-03
6516	637036.2	4167048.9	Worker	Scenario 4	7.30E-03	2.56E-04	1.29E-03
6517	637136.2	4167048.9	Worker	Scenario 4	8.28E-03	2.81E-04	1.66E-03
6518	637236.2	4167048.9	Worker	Scenario 4	8.71E-03	2.92E-04	1.79E-03
6519	637336.2	4167048.9	Worker	Scenario 4	8.35E-03	2.87E-04	1.71E-03
6520	637436.2	4167048.9	Worker	Scenario 4	9.21E-03	3.08E-04	1.98E-03
6521	637536.2	4167048.9	Worker	Scenario 4	9.41E-03	3.15E-04	2.06E-03
6522	637636.2	4167048.9	Worker	Scenario 4	9.49E-03	3.20E-04	2.11E-03
6523	637736.2	4167048.9	Worker	Scenario 4	9.81E-03	3.30E-04	2.21E-03
6524	637836.2	4167048.9	Worker	Scenario 4	1.09E-02	3.56E-04	2.46E-03
6525	637936.2	4167048.9	Worker	Scenario 4	1.12E-02	3.66E-04	2.57E-03
6526	638036.2	4167048.9	Worker	Scenario 4	1.22E-02	3.90E-04	2.92E-03
6527	638136.2	4167048.9	Worker	Scenario 4	1.40E-02	4.32E-04	3.72E-03
6528	638236.2	4167048.9	Worker	Scenario 4	1.41E-02	4.40E-04	3.75E-03
6529	638336.2	4167048.9	Worker	Scenario 4	1.35E-02	4.31E-04	3.33E-03
6530	638436.2	4167048.9	Worker	Scenario 4	1.51E-02	4.70E-04	3.95E-03
6531	638536.2	4167048.9	Worker	Scenario 4	1.49E-02	4.69E-04	3.62E-03
6532	638636.2	4167048.9	Worker	Scenario 4	1.60E-02	5.01E-04	3.91E-03
6533	638736.2	4167048.9	Worker	Scenario 4	1.66E-02	5.20E-04	3.88E-03
6534	638836.2	4167048.9	Worker	Scenario 4	1.80E-02	5.56E-04	4.10E-03
6535	638936.2	4167048.9	Worker	Scenario 4	1.92E-02	5.89E-04	4.14E-03
6536	639036.2	4167048.9	Worker	Scenario 4	2.04E-02	6.22E-04	4.54E-03
6537	639136.2	4167048.9	Worker	Scenario 4	2.19E-02	6.62E-04	5.18E-03
6538	639236.2	4167048.9	Worker	Scenario 4	2.36E-02	7.09E-04	5.80E-03
6539	639336.2	4167048.9	Worker	Scenario 4	2.55E-02	7.59E-04	6.32E-03
6540	639436.2	4167048.9	Worker	Scenario 4	2.78E-02	8.17E-04	6.68E-03
6541	639536.2	4167048.9	Worker	Scenario 4	2.95E-02	8.64E-04	6.98E-03
6542	639636.2	4167048.9	Worker	Scenario 4	3.17E-02	9.25E-04	7.33E-03
6543	639736.2	4167048.9	Worker	Scenario 4	3.41E-02	9.89E-04	8.48E-03
6544	639836.2	4167048.9	Worker	Scenario 4	3.67E-02	1.06E-03	9.37E-03
6545	639936.2	4167048.9	Worker	Scenario 4	3.96E-02	1.14E-03	9.84E-03
6546	640036.2	4167048.9	Worker	Scenario 4	4.33E-02	1.24E-03	9.71E-03
6547	640136.2	4167048.9	Worker	Scenario 4	4.73E-02	1.34E-03	9.15E-03
6548	640236.2	4167048.9	Worker	Scenario 4	5.18E-02	1.46E-03	1.17E-02
6549	640336.2	4167048.9	Worker	Scenario 4	5.71E-02	1.60E-03	1.38E-02
6550	640436.2	4167048.9	Worker	Scenario 4	6.36E-02	1.76E-03	1.58E-02
6551	640536.2	4167048.9	Worker	Scenario 4	7.07E-02	1.94E-03	2.44E-02
6552	641036.2	4167048.9	Worker	Scenario 4	1.32E-01	3.62E-03	3.57E-02
6553	641136.2	4167048.9	Worker	Scenario 4	1.64E-01	4.53E-03	4.39E-02
6554	644836.2	4167048.9	Worker	Scenario 4	1.67E-01	3.08E-03	2.10E-03
6555	644936.2	4167048.9	Worker	Scenario 4	1.51E-01	2.66E-03	2.01E-03
6556	645036.2	4167048.9	Worker	Scenario 4	1.40E-01	2.39E-03	1.92E-03
6557	645136.2	4167048.9	Worker	Scenario 4	1.30E-01	2.20E-03	1.84E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6558	645436.2	4167048.9	Worker	Scenario 4	1.10E-01	1.81E-03	1.60E-03
6559	645536.2	4167048.9	Worker	Scenario 4	1.05E-01	1.71E-03	1.53E-03
6560	645636.2	4167048.9	Worker	Scenario 4	1.00E-01	1.63E-03	1.48E-03
6561	645836.2	4167048.9	Worker	Scenario 4	9.15E-02	1.48E-03	1.41E-03
6562	645936.2	4167048.9	Worker	Scenario 4	8.77E-02	1.42E-03	1.37E-03
6563	646436.2	4167048.9	Worker	Scenario 4	7.25E-02	1.17E-03	1.20E-03
6564	646536.2	4167048.9	Worker	Scenario 4	7.00E-02	1.13E-03	1.17E-03
6565	646636.2	4167048.9	Worker	Scenario 4	6.77E-02	1.09E-03	1.14E-03
6566	646736.2	4167048.9	Worker	Scenario 4	6.55E-02	1.05E-03	1.11E-03
6567	646936.2	4167048.9	Worker	Scenario 4	6.14E-02	9.89E-04	1.05E-03
6568	647036.2	4167048.9	Worker	Scenario 4	5.95E-02	9.59E-04	1.02E-03
6569	636936.2	4167148.9	Worker	Scenario 4	7.70E-03	2.65E-04	1.71E-03
6570	637036.2	4167148.9	Worker	Scenario 4	7.44E-03	2.61E-04	1.55E-03
6571	637136.2	4167148.9	Worker	Scenario 4	8.10E-03	2.79E-04	1.79E-03
6572	637236.2	4167148.9	Worker	Scenario 4	8.59E-03	2.92E-04	1.92E-03
6573	637336.2	4167148.9	Worker	Scenario 4	9.11E-03	3.06E-04	2.03E-03
6574	637436.2	4167148.9	Worker	Scenario 4	9.62E-03	3.20E-04	2.12E-03
6575	637536.2	4167148.9	Worker	Scenario 4	9.71E-03	3.24E-04	2.14E-03
6576	637636.2	4167148.9	Worker	Scenario 4	9.45E-03	3.21E-04	2.05E-03
6577	637736.2	4167148.9	Worker	Scenario 4	1.06E-02	3.49E-04	2.29E-03
6578	637836.2	4167148.9	Worker	Scenario 4	1.09E-02	3.59E-04	2.34E-03
6579	637936.2	4167148.9	Worker	Scenario 4	1.18E-02	3.83E-04	2.76E-03
6580	638036.2	4167148.9	Worker	Scenario 4	1.33E-02	4.18E-04	3.62E-03
6581	638136.2	4167148.9	Worker	Scenario 4	1.34E-02	4.23E-04	3.48E-03
6582	638236.2	4167148.9	Worker	Scenario 4	1.59E-02	4.84E-04	4.56E-03
6583	638336.2	4167148.9	Worker	Scenario 4	1.46E-02	4.58E-04	3.84E-03
6584	638436.2	4167148.9	Worker	Scenario 4	1.58E-02	4.89E-04	4.30E-03
6585	638536.2	4167148.9	Worker	Scenario 4	1.59E-02	4.97E-04	4.09E-03
6586	638636.2	4167148.9	Worker	Scenario 4	1.69E-02	5.25E-04	4.33E-03
6587	638736.2	4167148.9	Worker	Scenario 4	1.78E-02	5.52E-04	4.50E-03
6588	638836.2	4167148.9	Worker	Scenario 4	1.92E-02	5.89E-04	4.82E-03
6589	638936.2	4167148.9	Worker	Scenario 4	2.03E-02	6.20E-04	5.04E-03
6590	639036.2	4167148.9	Worker	Scenario 4	2.17E-02	6.60E-04	5.51E-03
6591	639136.2	4167148.9	Worker	Scenario 4	2.33E-02	7.04E-04	5.99E-03
6592	639236.2	4167148.9	Worker	Scenario 4	2.51E-02	7.52E-04	6.45E-03
6593	639336.2	4167148.9	Worker	Scenario 4	2.71E-02	8.06E-04	6.85E-03
6594	639436.2	4167148.9	Worker	Scenario 4	2.97E-02	8.73E-04	7.22E-03
6595	639536.2	4167148.9	Worker	Scenario 4	3.23E-02	9.41E-04	7.52E-03
6596	639636.2	4167148.9	Worker	Scenario 4	3.42E-02	9.98E-04	7.77E-03
6597	639736.2	4167148.9	Worker	Scenario 4	3.70E-02	1.07E-03	7.92E-03
6598	639836.2	4167148.9	Worker	Scenario 4	4.02E-02	1.16E-03	7.95E-03
6599	639936.2	4167148.9	Worker	Scenario 4	4.38E-02	1.26E-03	7.99E-03
6600	640036.2	4167148.9	Worker	Scenario 4	4.79E-02	1.37E-03	8.47E-03
6601	640136.2	4167148.9	Worker	Scenario 4	5.23E-02	1.49E-03	9.18E-03
6602	640236.2	4167148.9	Worker	Scenario 4	5.75E-02	1.62E-03	1.10E-02
6603	640336.2	4167148.9	Worker	Scenario 4	6.37E-02	1.77E-03	1.25E-02
6604	640436.2	4167148.9	Worker	Scenario 4	7.11E-02	1.96E-03	1.35E-02
6605	640836.2	4167148.9	Worker	Scenario 4	1.13E-01	3.03E-03	3.06E-02
6606	640936.2	4167148.9	Worker	Scenario 4	1.29E-01	3.49E-03	4.58E-02
6607	641036.2	4167148.9	Worker	Scenario 4	1.54E-01	4.18E-03	4.29E-02
6608	641136.2	4167148.9	Worker	Scenario 4	1.96E-01	5.36E-03	4.73E-02
6609	644836.2	4167148.9	Worker	Scenario 4	1.73E-01	3.00E-03	2.10E-03
6610	644936.2	4167148.9	Worker	Scenario 4	1.57E-01	2.62E-03	2.02E-03
6611	645036.2	4167148.9	Worker	Scenario 4	1.45E-01	2.38E-03	1.94E-03
6612	645136.2	4167148.9	Worker	Scenario 4	1.35E-01	2.19E-03	1.86E-03
6613	645436.2	4167148.9	Worker	Scenario 4	1.14E-01	1.82E-03	1.66E-03
6614	645536.2	4167148.9	Worker	Scenario 4	1.08E-01	1.72E-03	1.60E-03
6615	645636.2	4167148.9	Worker	Scenario 4	1.03E-01	1.64E-03	1.54E-03
6616	645836.2	4167148.9	Worker	Scenario 4	9.39E-02	1.49E-03	1.43E-03
6617	645936.2	4167148.9	Worker	Scenario 4	9.00E-02	1.43E-03	1.38E-03
6618	646036.2	4167148.9	Worker	Scenario 4	8.63E-02	1.37E-03	1.33E-03
6619	646336.2	4167148.9	Worker	Scenario 4	7.68E-02	1.22E-03	1.19E-03
6620	646436.2	4167148.9	Worker	Scenario 4	7.41E-02	1.18E-03	1.15E-03
6621	646536.2	4167148.9	Worker	Scenario 4	7.15E-02	1.14E-03	1.11E-03
6622	646636.2	4167148.9	Worker	Scenario 4	6.90E-02	1.10E-03	1.08E-03
6623	646736.2	4167148.9	Worker	Scenario 4	6.67E-02	1.06E-03	1.04E-03
6624	646836.2	4167148.9	Worker	Scenario 4	6.46E-02	1.03E-03	1.01E-03
6625	646936.2	4167148.9	Worker	Scenario 4	6.25E-02	9.95E-04	9.86E-04
6626	647036.2	4167148.9	Worker	Scenario 4	6.06E-02	9.65E-04	9.63E-04
6627	636836.2	4167248.9	Worker	Scenario 4	7.47E-03	2.60E-04	1.52E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6628	636936.2	4167248.9	Worker	Scenario 4	8.25E-03	2.80E-04	1.75E-03
6629	637036.2	4167248.9	Worker	Scenario 4	7.86E-03	2.73E-04	1.62E-03
6630	637136.2	4167248.9	Worker	Scenario 4	8.51E-03	2.90E-04	1.81E-03
6631	637236.2	4167248.9	Worker	Scenario 4	8.87E-03	3.00E-04	1.90E-03
6632	637336.2	4167248.9	Worker	Scenario 4	9.76E-03	3.22E-04	2.21E-03
6633	637436.2	4167248.9	Worker	Scenario 4	1.01E-02	3.33E-04	2.31E-03
6634	637536.2	4167248.9	Worker	Scenario 4	1.02E-02	3.38E-04	2.29E-03
6635	637636.2	4167248.9	Worker	Scenario 4	1.01E-02	3.38E-04	2.22E-03
6636	637736.2	4167248.9	Worker	Scenario 4	1.11E-02	3.62E-04	2.51E-03
6637	637836.2	4167248.9	Worker	Scenario 4	1.28E-02	4.04E-04	3.02E-03
6638	637936.2	4167248.9	Worker	Scenario 4	1.18E-02	3.85E-04	2.66E-03
6639	638036.2	4167248.9	Worker	Scenario 4	1.27E-02	4.08E-04	2.94E-03
6640	638136.2	4167248.9	Worker	Scenario 4	1.47E-02	4.55E-04	3.47E-03
6641	638236.2	4167248.9	Worker	Scenario 4	1.52E-02	4.70E-04	3.61E-03
6642	638336.2	4167248.9	Worker	Scenario 4	1.61E-02	4.95E-04	3.83E-03
6643	638436.2	4167248.9	Worker	Scenario 4	1.65E-02	5.08E-04	3.96E-03
6644	638536.2	4167248.9	Worker	Scenario 4	1.76E-02	5.39E-04	4.23E-03
6645	638636.2	4167248.9	Worker	Scenario 4	1.78E-02	5.50E-04	4.30E-03
6646	638736.2	4167248.9	Worker	Scenario 4	1.87E-02	5.79E-04	4.55E-03
6647	638836.2	4167248.9	Worker	Scenario 4	2.01E-02	6.16E-04	4.92E-03
6648	638936.2	4167248.9	Worker	Scenario 4	2.15E-02	6.55E-04	5.41E-03
6649	639036.2	4167248.9	Worker	Scenario 4	2.30E-02	6.95E-04	5.89E-03
6650	639136.2	4167248.9	Worker	Scenario 4	2.48E-02	7.44E-04	6.45E-03
6651	639236.2	4167248.9	Worker	Scenario 4	2.67E-02	7.97E-04	7.01E-03
6652	639336.2	4167248.9	Worker	Scenario 4	2.90E-02	8.57E-04	7.58E-03
6653	639436.2	4167248.9	Worker	Scenario 4	3.14E-02	9.22E-04	8.11E-03
6654	639536.2	4167248.9	Worker	Scenario 4	3.42E-02	9.98E-04	8.58E-03
6655	639636.2	4167248.9	Worker	Scenario 4	3.71E-02	1.08E-03	9.05E-03
6656	639736.2	4167248.9	Worker	Scenario 4	4.02E-02	1.16E-03	9.54E-03
6657	639836.2	4167248.9	Worker	Scenario 4	4.40E-02	1.27E-03	9.88E-03
6658	639936.2	4167248.9	Worker	Scenario 4	4.83E-02	1.38E-03	1.02E-02
6659	640036.2	4167248.9	Worker	Scenario 4	5.30E-02	1.51E-03	1.04E-02
6660	640136.2	4167248.9	Worker	Scenario 4	5.83E-02	1.65E-03	1.06E-02
6661	640236.2	4167248.9	Worker	Scenario 4	6.44E-02	1.80E-03	1.09E-02
6662	640336.2	4167248.9	Worker	Scenario 4	7.15E-02	1.98E-03	1.16E-02
6663	640636.2	4167248.9	Worker	Scenario 4	1.02E-01	2.74E-03	1.54E-02
6664	640736.2	4167248.9	Worker	Scenario 4	1.17E-01	3.11E-03	1.76E-02
6665	640836.2	4167248.9	Worker	Scenario 4	1.30E-01	3.47E-03	2.08E-02
6666	640936.2	4167248.9	Worker	Scenario 4	1.51E-01	4.03E-03	2.85E-02
6667	641036.2	4167248.9	Worker	Scenario 4	1.81E-01	4.87E-03	3.70E-02
6668	641136.2	4167248.9	Worker	Scenario 4	2.33E-01	6.35E-03	4.83E-02
6669	645036.2	4167248.9	Worker	Scenario 4	1.47E-01	2.33E-03	1.92E-03
6670	645136.2	4167248.9	Worker	Scenario 4	1.37E-01	2.16E-03	1.85E-03
6671	645336.2	4167248.9	Worker	Scenario 4	1.22E-01	1.91E-03	1.72E-03
6672	645436.2	4167248.9	Worker	Scenario 4	1.16E-01	1.81E-03	1.66E-03
6673	645536.2	4167248.9	Worker	Scenario 4	1.10E-01	1.72E-03	1.61E-03
6674	645636.2	4167248.9	Worker	Scenario 4	1.05E-01	1.64E-03	1.55E-03
6675	645736.2	4167248.9	Worker	Scenario 4	1.00E-01	1.56E-03	1.50E-03
6676	645836.2	4167248.9	Worker	Scenario 4	9.56E-02	1.49E-03	1.45E-03
6677	645936.2	4167248.9	Worker	Scenario 4	9.16E-02	1.43E-03	1.41E-03
6678	646036.2	4167248.9	Worker	Scenario 4	8.78E-02	1.37E-03	1.36E-03
6679	646136.2	4167248.9	Worker	Scenario 4	8.43E-02	1.32E-03	1.32E-03
6680	646336.2	4167248.9	Worker	Scenario 4	7.80E-02	1.22E-03	1.24E-03
6681	646436.2	4167248.9	Worker	Scenario 4	7.52E-02	1.18E-03	1.21E-03
6682	646536.2	4167248.9	Worker	Scenario 4	7.25E-02	1.14E-03	1.17E-03
6683	646636.2	4167248.9	Worker	Scenario 4	7.00E-02	1.10E-03	1.14E-03
6684	646736.2	4167248.9	Worker	Scenario 4	6.76E-02	1.06E-03	1.11E-03
6685	646836.2	4167248.9	Worker	Scenario 4	6.54E-02	1.03E-03	1.08E-03
6686	646936.2	4167248.9	Worker	Scenario 4	6.33E-02	9.98E-04	1.05E-03
6687	647036.2	4167248.9	Worker	Scenario 4	6.13E-02	9.67E-04	1.02E-03
6688	636736.2	4167348.9	Worker	Scenario 4	7.83E-03	2.68E-04	1.60E-03
6689	636836.2	4167348.9	Worker	Scenario 4	7.70E-03	2.66E-04	1.57E-03
6690	636936.2	4167348.9	Worker	Scenario 4	8.66E-03	2.90E-04	1.76E-03
6691	637036.2	4167348.9	Worker	Scenario 4	8.84E-03	2.96E-04	1.80E-03
6692	637136.2	4167348.9	Worker	Scenario 4	8.43E-03	2.89E-04	1.74E-03
6693	637236.2	4167348.9	Worker	Scenario 4	8.64E-03	2.96E-04	1.78E-03
6694	637336.2	4167348.9	Worker	Scenario 4	9.19E-03	3.11E-04	1.91E-03
6695	637436.2	4167348.9	Worker	Scenario 4	1.06E-02	3.45E-04	2.07E-03
6696	637536.2	4167348.9	Worker	Scenario 4	1.09E-02	3.54E-04	2.14E-03
6697	637636.2	4167348.9	Worker	Scenario 4	1.08E-02	3.56E-04	2.20E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6698	637736.2	4167348.9	Worker	Scenario 4	1.13E-02	3.69E-04	2.28E-03
6699	637836.2	4167348.9	Worker	Scenario 4	1.33E-02	4.17E-04	2.66E-03
6700	637936.2	4167348.9	Worker	Scenario 4	1.35E-02	4.23E-04	2.67E-03
6701	638036.2	4167348.9	Worker	Scenario 4	1.41E-02	4.39E-04	2.81E-03
6702	638136.2	4167348.9	Worker	Scenario 4	1.49E-02	4.62E-04	3.02E-03
6703	638236.2	4167348.9	Worker	Scenario 4	1.52E-02	4.73E-04	3.08E-03
6704	638336.2	4167348.9	Worker	Scenario 4	1.80E-02	5.39E-04	3.67E-03
6705	638436.2	4167348.9	Worker	Scenario 4	1.86E-02	5.58E-04	3.82E-03
6706	638536.2	4167348.9	Worker	Scenario 4	1.76E-02	5.41E-04	3.62E-03
6707	638636.2	4167348.9	Worker	Scenario 4	1.90E-02	5.79E-04	3.95E-03
6708	638736.2	4167348.9	Worker	Scenario 4	2.00E-02	6.10E-04	4.15E-03
6709	638836.2	4167348.9	Worker	Scenario 4	2.13E-02	6.47E-04	4.43E-03
6710	638936.2	4167348.9	Worker	Scenario 4	2.29E-02	6.92E-04	4.78E-03
6711	639036.2	4167348.9	Worker	Scenario 4	2.44E-02	7.34E-04	5.08E-03
6712	639136.2	4167348.9	Worker	Scenario 4	2.61E-02	7.83E-04	5.45E-03
6713	639236.2	4167348.9	Worker	Scenario 4	2.84E-02	8.45E-04	5.87E-03
6714	639336.2	4167348.9	Worker	Scenario 4	3.09E-02	9.12E-04	6.28E-03
6715	639436.2	4167348.9	Worker	Scenario 4	3.38E-02	9.88E-04	6.67E-03
6716	639536.2	4167348.9	Worker	Scenario 4	3.68E-02	1.07E-03	7.06E-03
6717	639636.2	4167348.9	Worker	Scenario 4	4.04E-02	1.17E-03	7.37E-03
6718	639736.2	4167348.9	Worker	Scenario 4	4.38E-02	1.26E-03	7.83E-03
6719	639836.2	4167348.9	Worker	Scenario 4	4.80E-02	1.38E-03	8.18E-03
6720	639936.2	4167348.9	Worker	Scenario 4	5.30E-02	1.52E-03	8.44E-03
6721	640036.2	4167348.9	Worker	Scenario 4	5.90E-02	1.67E-03	8.42E-03
6722	640136.2	4167348.9	Worker	Scenario 4	6.55E-02	1.84E-03	8.61E-03
6723	640236.2	4167348.9	Worker	Scenario 4	7.30E-02	2.04E-03	8.35E-03
6724	640536.2	4167348.9	Worker	Scenario 4	1.04E-01	2.82E-03	1.23E-02
6725	640636.2	4167348.9	Worker	Scenario 4	1.20E-01	3.20E-03	1.43E-02
6726	640736.2	4167348.9	Worker	Scenario 4	1.32E-01	3.53E-03	1.70E-02
6727	640836.2	4167348.9	Worker	Scenario 4	1.52E-01	4.02E-03	2.08E-02
6728	640936.2	4167348.9	Worker	Scenario 4	1.77E-01	4.68E-03	2.63E-02
6729	641036.2	4167348.9	Worker	Scenario 4	2.14E-01	5.64E-03	3.47E-02
6730	641136.2	4167348.9	Worker	Scenario 4	2.73E-01	7.28E-03	4.93E-02
6731	644836.2	4167348.9	Worker	Scenario 4	1.68E-01	2.65E-03	2.09E-03
6732	644936.2	4167348.9	Worker	Scenario 4	1.57E-01	2.45E-03	2.00E-03
6733	645036.2	4167348.9	Worker	Scenario 4	1.47E-01	2.28E-03	1.92E-03
6734	645136.2	4167348.9	Worker	Scenario 4	1.38E-01	2.13E-03	1.85E-03
6735	645236.2	4167348.9	Worker	Scenario 4	1.30E-01	2.01E-03	1.78E-03
6736	645336.2	4167348.9	Worker	Scenario 4	1.23E-01	1.90E-03	1.72E-03
6737	645436.2	4167348.9	Worker	Scenario 4	1.17E-01	1.80E-03	1.66E-03
6738	645536.2	4167348.9	Worker	Scenario 4	1.11E-01	1.71E-03	1.60E-03
6739	645636.2	4167348.9	Worker	Scenario 4	1.06E-01	1.63E-03	1.55E-03
6740	645736.2	4167348.9	Worker	Scenario 4	1.01E-01	1.56E-03	1.50E-03
6741	645836.2	4167348.9	Worker	Scenario 4	9.66E-02	1.49E-03	1.45E-03
6742	645936.2	4167348.9	Worker	Scenario 4	9.24E-02	1.43E-03	1.40E-03
6743	646036.2	4167348.9	Worker	Scenario 4	8.86E-02	1.37E-03	1.36E-03
6744	646336.2	4167348.9	Worker	Scenario 4	7.87E-02	1.22E-03	1.24E-03
6745	646436.2	4167348.9	Worker	Scenario 4	7.58E-02	1.18E-03	1.20E-03
6746	646536.2	4167348.9	Worker	Scenario 4	7.31E-02	1.14E-03	1.17E-03
6747	646636.2	4167348.9	Worker	Scenario 4	7.06E-02	1.10E-03	1.13E-03
6748	646736.2	4167348.9	Worker	Scenario 4	6.82E-02	1.06E-03	1.10E-03
6749	646836.2	4167348.9	Worker	Scenario 4	6.60E-02	1.03E-03	1.07E-03
6750	646936.2	4167348.9	Worker	Scenario 4	6.38E-02	9.96E-04	1.04E-03
6751	647036.2	4167348.9	Worker	Scenario 4	6.18E-02	9.65E-04	1.02E-03
6752	636636.2	4167448.9	Worker	Scenario 4	7.56E-03	2.61E-04	1.62E-03
6753	636736.2	4167448.9	Worker	Scenario 4	8.27E-03	2.79E-04	1.75E-03
6754	636836.2	4167448.9	Worker	Scenario 4	8.93E-03	2.95E-04	1.91E-03
6755	636936.2	4167448.9	Worker	Scenario 4	9.09E-03	3.01E-04	1.93E-03
6756	637036.2	4167448.9	Worker	Scenario 4	8.27E-03	2.85E-04	1.75E-03
6757	637136.2	4167448.9	Worker	Scenario 4	8.75E-03	2.98E-04	1.86E-03
6758	637236.2	4167448.9	Worker	Scenario 4	9.13E-03	3.09E-04	1.93E-03
6759	637336.2	4167448.9	Worker	Scenario 4	9.86E-03	3.28E-04	2.06E-03
6760	637436.2	4167448.9	Worker	Scenario 4	1.03E-02	3.40E-04	2.18E-03
6761	637536.2	4167448.9	Worker	Scenario 4	1.16E-02	3.72E-04	2.94E-03
6762	637636.2	4167448.9	Worker	Scenario 4	1.16E-02	3.75E-04	2.81E-03
6763	637736.2	4167448.9	Worker	Scenario 4	1.21E-02	3.89E-04	2.97E-03
6764	637836.2	4167448.9	Worker	Scenario 4	1.22E-02	3.94E-04	2.86E-03
6765	637936.2	4167448.9	Worker	Scenario 4	1.46E-02	4.50E-04	3.93E-03
6766	638036.2	4167448.9	Worker	Scenario 4	1.46E-02	4.54E-04	3.92E-03
6767	638136.2	4167448.9	Worker	Scenario 4	1.51E-02	4.68E-04	4.04E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6768	638236.2	4167448.9	Worker	Scenario 4	1.66E-02	5.05E-04	4.47E-03
6769	638336.2	4167448.9	Worker	Scenario 4	1.72E-02	5.25E-04	4.64E-03
6770	638436.2	4167448.9	Worker	Scenario 4	1.97E-02	5.86E-04	4.93E-03
6771	638536.2	4167448.9	Worker	Scenario 4	1.89E-02	5.73E-04	5.00E-03
6772	638636.2	4167448.9	Worker	Scenario 4	2.00E-02	6.07E-04	5.23E-03
6773	638736.2	4167448.9	Worker	Scenario 4	2.14E-02	6.47E-04	5.50E-03
6774	638836.2	4167448.9	Worker	Scenario 4	2.28E-02	6.86E-04	5.74E-03
6775	638936.2	4167448.9	Worker	Scenario 4	2.44E-02	7.33E-04	6.00E-03
6776	639036.2	4167448.9	Worker	Scenario 4	2.61E-02	7.81E-04	6.25E-03
6777	639136.2	4167448.9	Worker	Scenario 4	2.79E-02	8.32E-04	6.51E-03
6778	639236.2	4167448.9	Worker	Scenario 4	3.03E-02	8.98E-04	6.75E-03
6779	639336.2	4167448.9	Worker	Scenario 4	3.30E-02	9.74E-04	6.94E-03
6780	639436.2	4167448.9	Worker	Scenario 4	3.61E-02	1.06E-03	7.10E-03
6781	639536.2	4167448.9	Worker	Scenario 4	3.98E-02	1.16E-03	7.14E-03
6782	639636.2	4167448.9	Worker	Scenario 4	4.46E-02	1.29E-03	6.79E-03
6783	639736.2	4167448.9	Worker	Scenario 4	4.78E-02	1.38E-03	7.26E-03
6784	639836.2	4167448.9	Worker	Scenario 4	5.27E-02	1.51E-03	7.26E-03
6785	639936.2	4167448.9	Worker	Scenario 4	5.86E-02	1.68E-03	7.10E-03
6786	640036.2	4167448.9	Worker	Scenario 4	6.57E-02	1.87E-03	6.70E-03
6787	640136.2	4167448.9	Worker	Scenario 4	7.46E-02	2.10E-03	5.75E-03
6788	640436.2	4167448.9	Worker	Scenario 4	1.06E-01	2.93E-03	9.60E-03
6789	640536.2	4167448.9	Worker	Scenario 4	1.23E-01	3.34E-03	1.15E-02
6790	640636.2	4167448.9	Worker	Scenario 4	1.38E-01	3.74E-03	1.38E-02
6791	640736.2	4167448.9	Worker	Scenario 4	1.58E-01	4.22E-03	1.63E-02
6792	640836.2	4167448.9	Worker	Scenario 4	1.83E-01	4.83E-03	1.87E-02
6793	644836.2	4167448.9	Worker	Scenario 4	1.66E-01	2.55E-03	1.86E-03
6794	644936.2	4167448.9	Worker	Scenario 4	1.55E-01	2.37E-03	1.79E-03
6795	645036.2	4167448.9	Worker	Scenario 4	1.46E-01	2.22E-03	1.73E-03
6796	645136.2	4167448.9	Worker	Scenario 4	1.37E-01	2.09E-03	1.66E-03
6797	645236.2	4167448.9	Worker	Scenario 4	1.30E-01	1.98E-03	1.61E-03
6798	645336.2	4167448.9	Worker	Scenario 4	1.23E-01	1.87E-03	1.55E-03
6799	645436.2	4167448.9	Worker	Scenario 4	1.17E-01	1.78E-03	1.50E-03
6800	645536.2	4167448.9	Worker	Scenario 4	1.11E-01	1.69E-03	1.45E-03
6801	645636.2	4167448.9	Worker	Scenario 4	1.06E-01	1.61E-03	1.40E-03
6802	645736.2	4167448.9	Worker	Scenario 4	1.01E-01	1.54E-03	1.35E-03
6803	645836.2	4167448.9	Worker	Scenario 4	9.67E-02	1.48E-03	1.31E-03
6804	645936.2	4167448.9	Worker	Scenario 4	9.26E-02	1.41E-03	1.27E-03
6805	646336.2	4167448.9	Worker	Scenario 4	7.88E-02	1.21E-03	1.13E-03
6806	646436.2	4167448.9	Worker	Scenario 4	7.60E-02	1.17E-03	1.09E-03
6807	646536.2	4167448.9	Worker	Scenario 4	7.33E-02	1.13E-03	1.06E-03
6808	646636.2	4167448.9	Worker	Scenario 4	7.07E-02	1.09E-03	1.03E-03
6809	646736.2	4167448.9	Worker	Scenario 4	6.84E-02	1.06E-03	1.01E-03
6810	646836.2	4167448.9	Worker	Scenario 4	6.61E-02	1.02E-03	9.80E-04
6811	646936.2	4167448.9	Worker	Scenario 4	6.40E-02	9.90E-04	9.55E-04
6812	647036.2	4167448.9	Worker	Scenario 4	6.19E-02	9.59E-04	9.30E-04
6813	636536.2	4167548.9	Worker	Scenario 4	7.86E-03	2.66E-04	1.62E-03
6814	636636.2	4167548.9	Worker	Scenario 4	8.40E-03	2.80E-04	1.73E-03
6815	636736.2	4167548.9	Worker	Scenario 4	8.65E-03	2.88E-04	1.77E-03
6816	636836.2	4167548.9	Worker	Scenario 4	8.93E-03	2.97E-04	1.82E-03
6817	636936.2	4167548.9	Worker	Scenario 4	8.54E-03	2.90E-04	1.72E-03
6818	637036.2	4167548.9	Worker	Scenario 4	8.46E-03	2.91E-04	1.67E-03
6819	637136.2	4167548.9	Worker	Scenario 4	9.18E-03	3.10E-04	1.82E-03
6820	637236.2	4167548.9	Worker	Scenario 4	9.78E-03	3.25E-04	1.91E-03
6821	637336.2	4167548.9	Worker	Scenario 4	9.81E-03	3.29E-04	1.91E-03
6822	637436.2	4167548.9	Worker	Scenario 4	1.10E-02	3.59E-04	2.16E-03
6823	637536.2	4167548.9	Worker	Scenario 4	1.11E-02	3.63E-04	2.06E-03
6824	637636.2	4167548.9	Worker	Scenario 4	1.29E-02	4.05E-04	2.72E-03
6825	637736.2	4167548.9	Worker	Scenario 4	1.29E-02	4.10E-04	2.59E-03
6826	637836.2	4167548.9	Worker	Scenario 4	1.33E-02	4.22E-04	2.55E-03
6827	637936.2	4167548.9	Worker	Scenario 4	1.57E-02	4.81E-04	3.16E-03
6828	638036.2	4167548.9	Worker	Scenario 4	1.64E-02	4.99E-04	3.19E-03
6829	638136.2	4167548.9	Worker	Scenario 4	1.55E-02	4.81E-04	2.81E-03
6830	638236.2	4167548.9	Worker	Scenario 4	1.79E-02	5.41E-04	3.24E-03
6831	638336.2	4167548.9	Worker	Scenario 4	1.74E-02	5.34E-04	3.25E-03
6832	638436.2	4167548.9	Worker	Scenario 4	2.04E-02	6.08E-04	3.46E-03
6833	638536.2	4167548.9	Worker	Scenario 4	2.01E-02	6.08E-04	3.72E-03
6834	638636.2	4167548.9	Worker	Scenario 4	2.13E-02	6.43E-04	3.96E-03
6835	638736.2	4167548.9	Worker	Scenario 4	2.32E-02	6.96E-04	4.14E-03
6836	638836.2	4167548.9	Worker	Scenario 4	2.41E-02	7.25E-04	4.43E-03
6837	638936.2	4167548.9	Worker	Scenario 4	2.61E-02	7.83E-04	4.59E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6838	639036.2	4167548.9	Worker	Scenario 4	2.78E-02	8.33E-04	4.81E-03
6839	639136.2	4167548.9	Worker	Scenario 4	2.98E-02	8.91E-04	4.99E-03
6840	639236.2	4167548.9	Worker	Scenario 4	3.24E-02	9.65E-04	5.08E-03
6841	639336.2	4167548.9	Worker	Scenario 4	3.55E-02	1.05E-03	5.22E-03
6842	639436.2	4167548.9	Worker	Scenario 4	3.90E-02	1.15E-03	5.24E-03
6843	639536.2	4167548.9	Worker	Scenario 4	4.29E-02	1.26E-03	5.45E-03
6844	639636.2	4167548.9	Worker	Scenario 4	4.78E-02	1.39E-03	5.94E-03
6845	639736.2	4167548.9	Worker	Scenario 4	5.23E-02	1.52E-03	6.56E-03
6846	639836.2	4167548.9	Worker	Scenario 4	5.83E-02	1.68E-03	6.93E-03
6847	639936.2	4167548.9	Worker	Scenario 4	6.56E-02	1.89E-03	6.99E-03
6848	640036.2	4167548.9	Worker	Scenario 4	7.42E-02	2.12E-03	6.44E-03
6849	640236.2	4167548.9	Worker	Scenario 4	9.76E-02	2.74E-03	7.32E-03
6850	640336.2	4167548.9	Worker	Scenario 4	1.13E-01	3.15E-03	8.30E-03
6851	640436.2	4167548.9	Worker	Scenario 4	1.28E-01	3.59E-03	9.36E-03
6852	644536.2	4167548.9	Worker	Scenario 4	2.02E-01	3.06E-03	2.38E-03
6853	644736.2	4167548.9	Worker	Scenario 4	1.74E-01	2.63E-03	2.11E-03
6854	644836.2	4167548.9	Worker	Scenario 4	1.63E-01	2.46E-03	1.99E-03
6855	644936.2	4167548.9	Worker	Scenario 4	1.52E-01	2.30E-03	1.87E-03
6856	645036.2	4167548.9	Worker	Scenario 4	1.43E-01	2.16E-03	1.78E-03
6857	645136.2	4167548.9	Worker	Scenario 4	1.35E-01	2.04E-03	1.70E-03
6858	645236.2	4167548.9	Worker	Scenario 4	1.28E-01	1.93E-03	1.64E-03
6859	645336.2	4167548.9	Worker	Scenario 4	1.22E-01	1.84E-03	1.58E-03
6860	645436.2	4167548.9	Worker	Scenario 4	1.16E-01	1.75E-03	1.52E-03
6861	645536.2	4167548.9	Worker	Scenario 4	1.10E-01	1.67E-03	1.47E-03
6862	645636.2	4167548.9	Worker	Scenario 4	1.05E-01	1.59E-03	1.42E-03
6863	645736.2	4167548.9	Worker	Scenario 4	1.00E-01	1.52E-03	1.37E-03
6864	645836.2	4167548.9	Worker	Scenario 4	9.60E-02	1.46E-03	1.32E-03
6865	645936.2	4167548.9	Worker	Scenario 4	9.20E-02	1.40E-03	1.28E-03
6866	646036.2	4167548.9	Worker	Scenario 4	8.82E-02	1.34E-03	1.24E-03
6867	646236.2	4167548.9	Worker	Scenario 4	8.15E-02	1.24E-03	1.15E-03
6868	646336.2	4167548.9	Worker	Scenario 4	7.85E-02	1.20E-03	1.12E-03
6869	646436.2	4167548.9	Worker	Scenario 4	7.57E-02	1.16E-03	1.08E-03
6870	646536.2	4167548.9	Worker	Scenario 4	7.30E-02	1.12E-03	1.04E-03
6871	646636.2	4167548.9	Worker	Scenario 4	7.05E-02	1.08E-03	1.01E-03
6872	646736.2	4167548.9	Worker	Scenario 4	6.82E-02	1.04E-03	9.80E-04
6873	646836.2	4167548.9	Worker	Scenario 4	6.59E-02	1.01E-03	9.49E-04
6874	646936.2	4167548.9	Worker	Scenario 4	6.38E-02	9.81E-04	9.20E-04
6875	647036.2	4167548.9	Worker	Scenario 4	6.18E-02	9.51E-04	8.91E-04
6876	636436.2	4167648.9	Worker	Scenario 4	7.94E-03	2.67E-04	1.33E-03
6877	636536.2	4167648.9	Worker	Scenario 4	8.43E-03	2.80E-04	1.37E-03
6878	636636.2	4167648.9	Worker	Scenario 4	9.04E-03	2.96E-04	1.47E-03
6879	636736.2	4167648.9	Worker	Scenario 4	8.96E-03	2.96E-04	1.47E-03
6880	636836.2	4167648.9	Worker	Scenario 4	9.39E-03	3.09E-04	1.63E-03
6881	636936.2	4167648.9	Worker	Scenario 4	9.33E-03	3.10E-04	1.62E-03
6882	637036.2	4167648.9	Worker	Scenario 4	9.14E-03	3.08E-04	1.51E-03
6883	637136.2	4167648.9	Worker	Scenario 4	9.79E-03	3.26E-04	1.79E-03
6884	637236.2	4167648.9	Worker	Scenario 4	9.89E-03	3.31E-04	1.80E-03
6885	637336.2	4167648.9	Worker	Scenario 4	1.07E-02	3.51E-04	2.11E-03
6886	637436.2	4167648.9	Worker	Scenario 4	1.18E-02	3.80E-04	2.47E-03
6887	637536.2	4167648.9	Worker	Scenario 4	1.12E-02	3.68E-04	2.27E-03
6888	637636.2	4167648.9	Worker	Scenario 4	1.29E-02	4.09E-04	2.75E-03
6889	637736.2	4167648.9	Worker	Scenario 4	1.38E-02	4.34E-04	2.93E-03
6890	637836.2	4167648.9	Worker	Scenario 4	1.33E-02	4.26E-04	2.88E-03
6891	637936.2	4167648.9	Worker	Scenario 4	1.52E-02	4.74E-04	3.17E-03
6892	638036.2	4167648.9	Worker	Scenario 4	1.78E-02	5.38E-04	3.09E-03
6893	638136.2	4167648.9	Worker	Scenario 4	1.64E-02	5.07E-04	3.35E-03
6894	638236.2	4167648.9	Worker	Scenario 4	1.76E-02	5.40E-04	3.48E-03
6895	638336.2	4167648.9	Worker	Scenario 4	1.89E-02	5.75E-04	3.64E-03
6896	638436.2	4167648.9	Worker	Scenario 4	2.03E-02	6.13E-04	3.75E-03
6897	638536.2	4167648.9	Worker	Scenario 4	2.25E-02	6.73E-04	3.70E-03
6898	638636.2	4167648.9	Worker	Scenario 4	2.25E-02	6.81E-04	4.07E-03
6899	638736.2	4167648.9	Worker	Scenario 4	2.44E-02	7.35E-04	4.10E-03
6900	638836.2	4167648.9	Worker	Scenario 4	2.58E-02	7.76E-04	4.39E-03
6901	638936.2	4167648.9	Worker	Scenario 4	2.79E-02	8.39E-04	4.70E-03
6902	639036.2	4167648.9	Worker	Scenario 4	2.97E-02	8.93E-04	5.10E-03
6903	639136.2	4167648.9	Worker	Scenario 4	3.20E-02	9.60E-04	5.49E-03
6904	639236.2	4167648.9	Worker	Scenario 4	3.48E-02	1.04E-03	5.79E-03
6905	639336.2	4167648.9	Worker	Scenario 4	3.84E-02	1.14E-03	5.91E-03
6906	639436.2	4167648.9	Worker	Scenario 4	4.30E-02	1.27E-03	5.73E-03
6907	639536.2	4167648.9	Worker	Scenario 4	4.70E-02	1.38E-03	6.00E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6908	639636.2	4167648.9	Worker	Scenario 4	5.25E-02	1.54E-03	6.26E-03
6909	639736.2	4167648.9	Worker	Scenario 4	5.92E-02	1.72E-03	6.00E-03
6910	639836.2	4167648.9	Worker	Scenario 4	6.53E-02	1.90E-03	6.60E-03
6911	639936.2	4167648.9	Worker	Scenario 4	7.43E-02	2.16E-03	5.37E-03
6912	640136.2	4167648.9	Worker	Scenario 4	9.92E-02	2.86E-03	5.92E-03
6913	643436.2	4167648.9	Worker	Scenario 4	5.35E-01	7.30E-03	4.47E-03
6914	643536.2	4167648.9	Worker	Scenario 4	4.89E-01	6.62E-03	4.16E-03
6915	643636.2	4167648.9	Worker	Scenario 4	4.36E-01	5.96E-03	3.93E-03
6916	643736.2	4167648.9	Worker	Scenario 4	3.89E-01	5.38E-03	3.71E-03
6917	643836.2	4167648.9	Worker	Scenario 4	3.50E-01	4.91E-03	3.48E-03
6918	643936.2	4167648.9	Worker	Scenario 4	3.16E-01	4.49E-03	3.24E-03
6919	644036.2	4167648.9	Worker	Scenario 4	2.87E-01	4.14E-03	3.01E-03
6920	644136.2	4167648.9	Worker	Scenario 4	2.62E-01	3.82E-03	2.88E-03
6921	644236.2	4167648.9	Worker	Scenario 4	2.41E-01	3.54E-03	2.78E-03
6922	644336.2	4167648.9	Worker	Scenario 4	2.23E-01	3.29E-03	2.67E-03
6923	644436.2	4167648.9	Worker	Scenario 4	2.06E-01	3.07E-03	2.56E-03
6924	644536.2	4167648.9	Worker	Scenario 4	1.92E-01	2.86E-03	2.44E-03
6925	645136.2	4167648.9	Worker	Scenario 4	1.32E-01	1.97E-03	1.99E-03
6926	645336.2	4167648.9	Worker	Scenario 4	1.19E-01	1.78E-03	1.90E-03
6927	645436.2	4167648.9	Worker	Scenario 4	1.13E-01	1.70E-03	1.85E-03
6928	645536.2	4167648.9	Worker	Scenario 4	1.08E-01	1.63E-03	1.80E-03
6929	645636.2	4167648.9	Worker	Scenario 4	1.03E-01	1.56E-03	1.75E-03
6930	645736.2	4167648.9	Worker	Scenario 4	9.87E-02	1.49E-03	1.69E-03
6931	645836.2	4167648.9	Worker	Scenario 4	9.46E-02	1.43E-03	1.64E-03
6932	645936.2	4167648.9	Worker	Scenario 4	9.07E-02	1.37E-03	1.59E-03
6933	646036.2	4167648.9	Worker	Scenario 4	8.71E-02	1.32E-03	1.54E-03
6934	646236.2	4167648.9	Worker	Scenario 4	8.06E-02	1.22E-03	1.44E-03
6935	646336.2	4167648.9	Worker	Scenario 4	7.77E-02	1.18E-03	1.39E-03
6936	646436.2	4167648.9	Worker	Scenario 4	7.49E-02	1.14E-03	1.34E-03
6937	646536.2	4167648.9	Worker	Scenario 4	7.23E-02	1.10E-03	1.29E-03
6938	646636.2	4167648.9	Worker	Scenario 4	6.99E-02	1.06E-03	1.25E-03
6939	646736.2	4167648.9	Worker	Scenario 4	6.76E-02	1.03E-03	1.21E-03
6940	646836.2	4167648.9	Worker	Scenario 4	6.54E-02	9.98E-04	1.16E-03
6941	646936.2	4167648.9	Worker	Scenario 4	6.33E-02	9.68E-04	1.12E-03
6942	647036.2	4167648.9	Worker	Scenario 4	6.14E-02	9.39E-04	1.08E-03
6943	636336.2	4167748.9	Worker	Scenario 4	7.25E-03	2.50E-04	1.26E-03
6944	636436.2	4167748.9	Worker	Scenario 4	7.99E-03	2.69E-04	1.59E-03
6945	636536.2	4167748.9	Worker	Scenario 4	7.96E-03	2.70E-04	1.53E-03
6946	636636.2	4167748.9	Worker	Scenario 4	9.06E-03	2.97E-04	1.97E-03
6947	636736.2	4167748.9	Worker	Scenario 4	9.74E-03	3.15E-04	2.14E-03
6948	636836.2	4167748.9	Worker	Scenario 4	1.04E-02	3.32E-04	2.25E-03
6949	636936.2	4167748.9	Worker	Scenario 4	1.07E-02	3.42E-04	2.30E-03
6950	637036.2	4167748.9	Worker	Scenario 4	1.05E-02	3.40E-04	2.25E-03
6951	637136.2	4167748.9	Worker	Scenario 4	9.78E-03	3.28E-04	1.95E-03
6952	637236.2	4167748.9	Worker	Scenario 4	1.03E-02	3.42E-04	2.08E-03
6953	637336.2	4167748.9	Worker	Scenario 4	1.06E-02	3.54E-04	2.19E-03
6954	637436.2	4167748.9	Worker	Scenario 4	1.24E-02	3.97E-04	2.66E-03
6955	637536.2	4167748.9	Worker	Scenario 4	1.17E-02	3.84E-04	2.49E-03
6956	637636.2	4167748.9	Worker	Scenario 4	1.35E-02	4.29E-04	2.86E-03
6957	637736.2	4167748.9	Worker	Scenario 4	1.47E-02	4.60E-04	2.95E-03
6958	637836.2	4167748.9	Worker	Scenario 4	1.45E-02	4.59E-04	2.96E-03
6959	637936.2	4167748.9	Worker	Scenario 4	1.70E-02	5.21E-04	3.05E-03
6960	638036.2	4167748.9	Worker	Scenario 4	1.86E-02	5.64E-04	3.05E-03
6961	638136.2	4167748.9	Worker	Scenario 4	1.70E-02	5.28E-04	3.42E-03
6962	638236.2	4167748.9	Worker	Scenario 4	1.98E-02	6.00E-04	3.57E-03
6963	638336.2	4167748.9	Worker	Scenario 4	1.93E-02	5.91E-04	3.94E-03
6964	638436.2	4167748.9	Worker	Scenario 4	2.21E-02	6.64E-04	3.99E-03
6965	638536.2	4167748.9	Worker	Scenario 4	2.41E-02	7.20E-04	4.05E-03
6966	638636.2	4167748.9	Worker	Scenario 4	2.37E-02	7.20E-04	4.43E-03
6967	638736.2	4167748.9	Worker	Scenario 4	2.66E-02	8.00E-04	4.33E-03
6968	638836.2	4167748.9	Worker	Scenario 4	2.77E-02	8.35E-04	4.42E-03
6969	638936.2	4167748.9	Worker	Scenario 4	2.99E-02	9.01E-04	4.66E-03
6970	639036.2	4167748.9	Worker	Scenario 4	3.20E-02	9.65E-04	5.33E-03
6971	639136.2	4167748.9	Worker	Scenario 4	3.46E-02	1.04E-03	5.94E-03
6972	639236.2	4167748.9	Worker	Scenario 4	3.76E-02	1.13E-03	6.45E-03
6973	639336.2	4167748.9	Worker	Scenario 4	4.18E-02	1.25E-03	6.52E-03
6974	639436.2	4167748.9	Worker	Scenario 4	4.65E-02	1.39E-03	6.42E-03
6975	639536.2	4167748.9	Worker	Scenario 4	5.23E-02	1.55E-03	5.87E-03
6976	639636.2	4167748.9	Worker	Scenario 4	5.86E-02	1.73E-03	5.35E-03
6977	639736.2	4167748.9	Worker	Scenario 4	6.79E-02	1.99E-03	3.92E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
6978	640036.2	4167748.9	Worker	Scenario 4	1.02E-01	3.00E-03	4.88E-03
6979	643336.2	4167748.9	Worker	Scenario 4	3.10E-01	5.30E-03	4.68E-03
6980	643436.2	4167748.9	Worker	Scenario 4	3.18E-01	5.09E-03	4.40E-03
6981	643536.2	4167748.9	Worker	Scenario 4	3.22E-01	4.92E-03	4.11E-03
6982	643636.2	4167748.9	Worker	Scenario 4	3.16E-01	4.70E-03	3.88E-03
6983	643736.2	4167748.9	Worker	Scenario 4	3.00E-01	4.43E-03	3.63E-03
6984	643836.2	4167748.9	Worker	Scenario 4	2.84E-01	4.17E-03	3.46E-03
6985	643936.2	4167748.9	Worker	Scenario 4	2.67E-01	3.91E-03	3.25E-03
6986	644036.2	4167748.9	Worker	Scenario 4	2.49E-01	3.67E-03	3.11E-03
6987	644336.2	4167748.9	Worker	Scenario 4	2.04E-01	3.02E-03	2.69E-03
6988	644436.2	4167748.9	Worker	Scenario 4	1.90E-01	2.83E-03	2.57E-03
6989	644636.2	4167748.9	Worker	Scenario 4	1.68E-01	2.50E-03	2.32E-03
6990	644736.2	4167748.9	Worker	Scenario 4	1.58E-01	2.36E-03	2.19E-03
6991	644836.2	4167748.9	Worker	Scenario 4	1.49E-01	2.23E-03	2.05E-03
6992	644936.2	4167748.9	Worker	Scenario 4	1.41E-01	2.11E-03	1.98E-03
6993	646036.2	4167748.9	Worker	Scenario 4	8.55E-02	1.29E-03	1.67E-03
6994	646236.2	4167748.9	Worker	Scenario 4	7.92E-02	1.20E-03	1.62E-03
6995	646336.2	4167748.9	Worker	Scenario 4	7.64E-02	1.16E-03	1.59E-03
6996	646436.2	4167748.9	Worker	Scenario 4	7.37E-02	1.12E-03	1.55E-03
6997	646536.2	4167748.9	Worker	Scenario 4	7.12E-02	1.08E-03	1.52E-03
6998	646636.2	4167748.9	Worker	Scenario 4	6.89E-02	1.05E-03	1.49E-03
6999	646736.2	4167748.9	Worker	Scenario 4	6.66E-02	1.01E-03	1.46E-03
7000	646836.2	4167748.9	Worker	Scenario 4	6.45E-02	9.82E-04	1.42E-03
7001	646936.2	4167748.9	Worker	Scenario 4	6.25E-02	9.52E-04	1.39E-03
7002	647036.2	4167748.9	Worker	Scenario 4	6.07E-02	9.24E-04	1.35E-03
7003	636236.2	4167848.9	Worker	Scenario 4	6.94E-03	2.42E-04	1.41E-03
7004	636336.2	4167848.9	Worker	Scenario 4	7.40E-03	2.54E-04	1.53E-03
7005	636436.2	4167848.9	Worker	Scenario 4	7.40E-03	2.57E-04	1.53E-03
7006	636536.2	4167848.9	Worker	Scenario 4	7.92E-03	2.71E-04	1.65E-03
7007	636636.2	4167848.9	Worker	Scenario 4	7.92E-03	2.73E-04	1.65E-03
7008	636736.2	4167848.9	Worker	Scenario 4	8.50E-03	2.89E-04	1.75E-03
7009	636836.2	4167848.9	Worker	Scenario 4	1.02E-02	3.29E-04	2.18E-03
7010	636936.2	4167848.9	Worker	Scenario 4	1.14E-02	3.59E-04	2.29E-03
7011	637036.2	4167848.9	Worker	Scenario 4	1.09E-02	3.52E-04	2.29E-03
7012	637136.2	4167848.9	Worker	Scenario 4	9.88E-03	3.32E-04	1.98E-03
7013	637236.2	4167848.9	Worker	Scenario 4	1.12E-02	3.64E-04	2.39E-03
7014	637336.2	4167848.9	Worker	Scenario 4	1.14E-02	3.74E-04	2.44E-03
7015	637436.2	4167848.9	Worker	Scenario 4	1.24E-02	3.99E-04	2.61E-03
7016	637536.2	4167848.9	Worker	Scenario 4	1.29E-02	4.15E-04	2.78E-03
7017	637636.2	4167848.9	Worker	Scenario 4	1.32E-02	4.25E-04	2.91E-03
7018	637736.2	4167848.9	Worker	Scenario 4	1.54E-02	4.81E-04	3.25E-03
7019	637836.2	4167848.9	Worker	Scenario 4	1.55E-02	4.86E-04	3.36E-03
7020	637936.2	4167848.9	Worker	Scenario 4	1.64E-02	5.12E-04	3.46E-03
7021	638036.2	4167848.9	Worker	Scenario 4	1.97E-02	5.97E-04	3.22E-03
7022	638136.2	4167848.9	Worker	Scenario 4	1.81E-02	5.61E-04	3.51E-03
7023	638236.2	4167848.9	Worker	Scenario 4	2.05E-02	6.22E-04	3.37E-03
7024	638336.2	4167848.9	Worker	Scenario 4	2.11E-02	6.41E-04	3.49E-03
7025	638436.2	4167848.9	Worker	Scenario 4	2.25E-02	6.81E-04	3.99E-03
7026	638536.2	4167848.9	Worker	Scenario 4	2.52E-02	7.56E-04	4.24E-03
7027	638636.2	4167848.9	Worker	Scenario 4	2.55E-02	7.73E-04	4.91E-03
7028	638736.2	4167848.9	Worker	Scenario 4	2.86E-02	8.60E-04	4.95E-03
7029	638836.2	4167848.9	Worker	Scenario 4	2.98E-02	8.99E-04	5.40E-03
7030	638936.2	4167848.9	Worker	Scenario 4	3.23E-02	9.75E-04	5.44E-03
7031	639036.2	4167848.9	Worker	Scenario 4	3.47E-02	1.05E-03	5.47E-03
7032	639136.2	4167848.9	Worker	Scenario 4	3.76E-02	1.14E-03	5.32E-03
7033	639236.2	4167848.9	Worker	Scenario 4	4.14E-02	1.25E-03	4.94E-03
7034	639336.2	4167848.9	Worker	Scenario 4	4.65E-02	1.40E-03	4.41E-03
7035	639436.2	4167848.9	Worker	Scenario 4	5.17E-02	1.56E-03	4.47E-03
7036	639536.2	4167848.9	Worker	Scenario 4	5.86E-02	1.75E-03	4.07E-03
7037	639636.2	4167848.9	Worker	Scenario 4	6.71E-02	2.00E-03	3.05E-03
7038	639836.2	4167848.9	Worker	Scenario 4	8.81E-02	2.64E-03	4.76E-03
7039	643336.2	4167848.9	Worker	Scenario 4	2.59E-01	4.55E-03	4.60E-03
7040	643436.2	4167848.9	Worker	Scenario 4	2.48E-01	4.25E-03	4.31E-03
7041	643536.2	4167848.9	Worker	Scenario 4	2.44E-01	4.04E-03	4.05E-03
7042	643636.2	4167848.9	Worker	Scenario 4	2.42E-01	3.88E-03	3.74E-03
7043	643736.2	4167848.9	Worker	Scenario 4	2.38E-01	3.73E-03	3.51E-03
7044	643836.2	4167848.9	Worker	Scenario 4	2.31E-01	3.57E-03	3.39E-03
7045	643936.2	4167848.9	Worker	Scenario 4	2.23E-01	3.41E-03	3.22E-03
7046	644036.2	4167848.9	Worker	Scenario 4	2.14E-01	3.24E-03	3.05E-03
7047	644136.2	4167848.9	Worker	Scenario 4	2.03E-01	3.07E-03	2.92E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7048	644236.2	4167848.9	Worker	Scenario 4	1.93E-01	2.91E-03	2.75E-03
7049	644336.2	4167848.9	Worker	Scenario 4	1.83E-01	2.76E-03	2.66E-03
7050	644436.2	4167848.9	Worker	Scenario 4	1.73E-01	2.61E-03	2.54E-03
7051	644536.2	4167848.9	Worker	Scenario 4	1.64E-01	2.47E-03	2.40E-03
7052	644636.2	4167848.9	Worker	Scenario 4	1.56E-01	2.34E-03	2.32E-03
7053	644736.2	4167848.9	Worker	Scenario 4	1.48E-01	2.22E-03	2.23E-03
7054	644836.2	4167848.9	Worker	Scenario 4	1.40E-01	2.11E-03	2.13E-03
7055	644936.2	4167848.9	Worker	Scenario 4	1.33E-01	2.00E-03	2.04E-03
7056	645036.2	4167848.9	Worker	Scenario 4	1.27E-01	1.91E-03	1.98E-03
7057	645136.2	4167848.9	Worker	Scenario 4	1.21E-01	1.82E-03	1.91E-03
7058	645236.2	4167848.9	Worker	Scenario 4	1.16E-01	1.74E-03	1.83E-03
7059	645336.2	4167848.9	Worker	Scenario 4	1.11E-01	1.66E-03	1.76E-03
7060	645436.2	4167848.9	Worker	Scenario 4	1.06E-01	1.59E-03	1.68E-03
7061	645536.2	4167848.9	Worker	Scenario 4	1.01E-01	1.53E-03	1.60E-03
7062	645636.2	4167848.9	Worker	Scenario 4	9.73E-02	1.46E-03	1.52E-03
7063	645736.2	4167848.9	Worker	Scenario 4	9.35E-02	1.41E-03	1.46E-03
7064	645836.2	4167848.9	Worker	Scenario 4	8.99E-02	1.35E-03	1.44E-03
7065	645936.2	4167848.9	Worker	Scenario 4	8.65E-02	1.30E-03	1.42E-03
7066	646036.2	4167848.9	Worker	Scenario 4	8.33E-02	1.26E-03	1.42E-03
7067	646236.2	4167848.9	Worker	Scenario 4	7.75E-02	1.17E-03	1.45E-03
7068	646336.2	4167848.9	Worker	Scenario 4	7.48E-02	1.13E-03	1.45E-03
7069	646436.2	4167848.9	Worker	Scenario 4	7.22E-02	1.09E-03	1.45E-03
7070	646536.2	4167848.9	Worker	Scenario 4	6.98E-02	1.06E-03	1.45E-03
7071	646636.2	4167848.9	Worker	Scenario 4	6.76E-02	1.02E-03	1.45E-03
7072	646736.2	4167848.9	Worker	Scenario 4	6.54E-02	9.93E-04	1.44E-03
7073	646836.2	4167848.9	Worker	Scenario 4	6.34E-02	9.63E-04	1.43E-03
7074	646936.2	4167848.9	Worker	Scenario 4	6.15E-02	9.34E-04	1.42E-03
7075	636136.2	4167948.9	Worker	Scenario 4	7.26E-03	2.47E-04	1.46E-03
7076	636236.2	4167948.9	Worker	Scenario 4	7.65E-03	2.58E-04	1.51E-03
7077	636336.2	4167948.9	Worker	Scenario 4	7.43E-03	2.55E-04	1.44E-03
7078	636436.2	4167948.9	Worker	Scenario 4	7.76E-03	2.65E-04	1.48E-03
7079	636536.2	4167948.9	Worker	Scenario 4	7.99E-03	2.73E-04	1.52E-03
7080	636636.2	4167948.9	Worker	Scenario 4	8.55E-03	2.88E-04	1.70E-03
7081	636736.2	4167948.9	Worker	Scenario 4	9.68E-03	3.16E-04	2.05E-03
7082	636836.2	4167948.9	Worker	Scenario 4	1.09E-02	3.45E-04	2.40E-03
7083	636936.2	4167948.9	Worker	Scenario 4	1.13E-02	3.59E-04	2.53E-03
7084	637036.2	4167948.9	Worker	Scenario 4	1.20E-02	3.77E-04	2.64E-03
7085	637136.2	4167948.9	Worker	Scenario 4	1.28E-02	3.98E-04	2.71E-03
7086	637236.2	4167948.9	Worker	Scenario 4	1.16E-02	3.75E-04	2.61E-03
7087	637336.2	4167948.9	Worker	Scenario 4	1.17E-02	3.82E-04	2.55E-03
7088	637436.2	4167948.9	Worker	Scenario 4	1.31E-02	4.17E-04	2.74E-03
7089	637536.2	4167948.9	Worker	Scenario 4	1.28E-02	4.13E-04	2.54E-03
7090	637636.2	4167948.9	Worker	Scenario 4	1.34E-02	4.32E-04	2.59E-03
7091	637736.2	4167948.9	Worker	Scenario 4	1.62E-02	5.01E-04	2.74E-03
7092	637836.2	4167948.9	Worker	Scenario 4	1.65E-02	5.14E-04	3.03E-03
7093	637936.2	4167948.9	Worker	Scenario 4	1.67E-02	5.23E-04	3.36E-03
7094	638036.2	4167948.9	Worker	Scenario 4	2.07E-02	6.25E-04	3.47E-03
7095	638136.2	4167948.9	Worker	Scenario 4	1.98E-02	6.06E-04	4.12E-03
7096	638236.2	4167948.9	Worker	Scenario 4	2.02E-02	6.18E-04	4.44E-03
7097	638336.2	4167948.9	Worker	Scenario 4	2.34E-02	7.05E-04	4.24E-03
7098	638436.2	4167948.9	Worker	Scenario 4	2.37E-02	7.16E-04	4.62E-03
7099	638536.2	4167948.9	Worker	Scenario 4	2.68E-02	8.04E-04	4.20E-03
7100	638636.2	4167948.9	Worker	Scenario 4	2.75E-02	8.31E-04	4.38E-03
7101	638736.2	4167948.9	Worker	Scenario 4	3.05E-02	9.19E-04	3.99E-03
7102	638836.2	4167948.9	Worker	Scenario 4	3.22E-02	9.76E-04	3.80E-03
7103	638936.2	4167948.9	Worker	Scenario 4	3.52E-02	1.07E-03	3.76E-03
7104	639036.2	4167948.9	Worker	Scenario 4	3.79E-02	1.15E-03	4.23E-03
7105	639136.2	4167948.9	Worker	Scenario 4	4.14E-02	1.27E-03	4.46E-03
7106	639236.2	4167948.9	Worker	Scenario 4	4.59E-02	1.40E-03	4.43E-03
7107	639336.2	4167948.9	Worker	Scenario 4	5.17E-02	1.58E-03	3.99E-03
7108	639436.2	4167948.9	Worker	Scenario 4	5.83E-02	1.78E-03	3.77E-03
7109	639536.2	4167948.9	Worker	Scenario 4	6.65E-02	2.02E-03	3.78E-03
7110	639736.2	4167948.9	Worker	Scenario 4	9.00E-02	2.72E-03	4.61E-03
7111	643236.2	4167948.9	Worker	Scenario 4	2.58E-01	4.54E-03	4.82E-03
7112	643336.2	4167948.9	Worker	Scenario 4	2.36E-01	4.13E-03	4.43E-03
7113	643436.2	4167948.9	Worker	Scenario 4	2.21E-01	3.82E-03	4.20E-03
7114	643536.2	4167948.9	Worker	Scenario 4	2.12E-01	3.60E-03	3.93E-03
7115	643636.2	4167948.9	Worker	Scenario 4	2.06E-01	3.43E-03	3.73E-03
7116	643736.2	4167948.9	Worker	Scenario 4	2.01E-01	3.28E-03	3.53E-03
7117	643836.2	4167948.9	Worker	Scenario 4	1.96E-01	3.15E-03	3.31E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7118	643936.2	4167948.9	Worker	Scenario 4	1.91E-01	3.02E-03	3.18E-03
7119	644036.2	4167948.9	Worker	Scenario 4	1.85E-01	2.90E-03	2.98E-03
7120	644136.2	4167948.9	Worker	Scenario 4	1.79E-01	2.77E-03	2.76E-03
7121	644236.2	4167948.9	Worker	Scenario 4	1.72E-01	2.65E-03	2.71E-03
7122	644336.2	4167948.9	Worker	Scenario 4	1.65E-01	2.52E-03	2.62E-03
7123	644436.2	4167948.9	Worker	Scenario 4	1.57E-01	2.40E-03	2.49E-03
7124	644536.2	4167948.9	Worker	Scenario 4	1.51E-01	2.29E-03	2.39E-03
7125	644636.2	4167948.9	Worker	Scenario 4	1.44E-01	2.18E-03	2.30E-03
7126	644736.2	4167948.9	Worker	Scenario 4	1.37E-01	2.08E-03	2.19E-03
7127	644836.2	4167948.9	Worker	Scenario 4	1.31E-01	1.98E-03	2.11E-03
7128	644936.2	4167948.9	Worker	Scenario 4	1.25E-01	1.90E-03	2.04E-03
7129	645036.2	4167948.9	Worker	Scenario 4	1.20E-01	1.81E-03	1.95E-03
7130	645136.2	4167948.9	Worker	Scenario 4	1.15E-01	1.74E-03	1.86E-03
7131	645236.2	4167948.9	Worker	Scenario 4	1.10E-01	1.66E-03	1.82E-03
7132	645336.2	4167948.9	Worker	Scenario 4	1.06E-01	1.59E-03	1.76E-03
7133	645436.2	4167948.9	Worker	Scenario 4	1.02E-01	1.53E-03	1.70E-03
7134	645536.2	4167948.9	Worker	Scenario 4	9.75E-02	1.47E-03	1.63E-03
7135	645636.2	4167948.9	Worker	Scenario 4	9.37E-02	1.41E-03	1.58E-03
7136	645736.2	4167948.9	Worker	Scenario 4	9.02E-02	1.36E-03	1.54E-03
7137	645836.2	4167948.9	Worker	Scenario 4	8.69E-02	1.31E-03	1.49E-03
7138	645936.2	4167948.9	Worker	Scenario 4	8.38E-02	1.26E-03	1.45E-03
7139	646036.2	4167948.9	Worker	Scenario 4	8.08E-02	1.22E-03	1.39E-03
7140	646236.2	4167948.9	Worker	Scenario 4	7.53E-02	1.14E-03	1.28E-03
7141	646336.2	4167948.9	Worker	Scenario 4	7.28E-02	1.10E-03	1.23E-03
7142	646436.2	4167948.9	Worker	Scenario 4	7.04E-02	1.07E-03	1.18E-03
7143	646536.2	4167948.9	Worker	Scenario 4	6.82E-02	1.03E-03	1.15E-03
7144	646636.2	4167948.9	Worker	Scenario 4	6.60E-02	1.00E-03	1.16E-03
7145	646736.2	4167948.9	Worker	Scenario 4	6.40E-02	9.70E-04	1.17E-03
7146	646836.2	4167948.9	Worker	Scenario 4	6.21E-02	9.42E-04	1.19E-03
7147	646936.2	4167948.9	Worker	Scenario 4	6.02E-02	9.14E-04	1.21E-03
7148	636036.2	4168048.9	Worker	Scenario 4	7.29E-03	2.45E-04	1.44E-03
7149	636136.2	4168048.9	Worker	Scenario 4	7.71E-03	2.56E-04	1.57E-03
7150	636236.2	4168048.9	Worker	Scenario 4	8.20E-03	2.69E-04	1.80E-03
7151	636336.2	4168048.9	Worker	Scenario 4	8.56E-03	2.80E-04	1.93E-03
7152	636436.2	4168048.9	Worker	Scenario 4	8.93E-03	2.90E-04	2.03E-03
7153	636536.2	4168048.9	Worker	Scenario 4	9.41E-03	3.03E-04	2.14E-03
7154	636636.2	4168048.9	Worker	Scenario 4	9.72E-03	3.13E-04	2.17E-03
7155	636736.2	4168048.9	Worker	Scenario 4	9.98E-03	3.22E-04	2.15E-03
7156	636836.2	4168048.9	Worker	Scenario 4	1.01E-02	3.27E-04	2.06E-03
7157	636936.2	4168048.9	Worker	Scenario 4	1.05E-02	3.40E-04	2.09E-03
7158	637036.2	4168048.9	Worker	Scenario 4	1.16E-02	3.68E-04	2.22E-03
7159	637136.2	4168048.9	Worker	Scenario 4	1.27E-02	3.96E-04	2.27E-03
7160	637236.2	4168048.9	Worker	Scenario 4	1.38E-02	4.26E-04	2.45E-03
7161	637336.2	4168048.9	Worker	Scenario 4	1.24E-02	3.98E-04	2.37E-03
7162	637436.2	4168048.9	Worker	Scenario 4	1.44E-02	4.47E-04	3.00E-03
7163	637536.2	4168048.9	Worker	Scenario 4	1.31E-02	4.21E-04	2.85E-03
7164	637636.2	4168048.9	Worker	Scenario 4	1.49E-02	4.67E-04	3.46E-03
7165	637736.2	4168048.9	Worker	Scenario 4	1.68E-02	5.18E-04	3.72E-03
7166	637836.2	4168048.9	Worker	Scenario 4	1.68E-02	5.22E-04	3.86E-03
7167	637936.2	4168048.9	Worker	Scenario 4	1.84E-02	5.66E-04	3.90E-03
7168	638036.2	4168048.9	Worker	Scenario 4	2.15E-02	6.48E-04	3.45E-03
7169	638136.2	4168048.9	Worker	Scenario 4	2.13E-02	6.45E-04	3.68E-03
7170	638236.2	4168048.9	Worker	Scenario 4	2.18E-02	6.64E-04	3.56E-03
7171	638336.2	4168048.9	Worker	Scenario 4	2.43E-02	7.33E-04	3.24E-03
7172	638436.2	4168048.9	Worker	Scenario 4	2.54E-02	7.69E-04	3.02E-03
7173	638536.2	4168048.9	Worker	Scenario 4	2.93E-02	8.78E-04	2.83E-03
7174	638636.2	4168048.9	Worker	Scenario 4	2.95E-02	8.95E-04	3.66E-03
7175	638736.2	4168048.9	Worker	Scenario 4	3.35E-02	1.01E-03	3.30E-03
7176	638836.2	4168048.9	Worker	Scenario 4	3.54E-02	1.08E-03	3.70E-03
7177	638936.2	4168048.9	Worker	Scenario 4	3.86E-02	1.18E-03	3.65E-03
7178	639036.2	4168048.9	Worker	Scenario 4	4.18E-02	1.28E-03	3.82E-03
7179	639136.2	4168048.9	Worker	Scenario 4	4.61E-02	1.42E-03	3.94E-03
7180	639236.2	4168048.9	Worker	Scenario 4	5.16E-02	1.60E-03	4.08E-03
7181	639336.2	4168048.9	Worker	Scenario 4	5.83E-02	1.81E-03	4.32E-03
7182	643136.2	4168048.9	Worker	Scenario 4	2.65E-01	4.60E-03	5.02E-03
7183	643236.2	4168048.9	Worker	Scenario 4	2.39E-01	4.14E-03	4.66E-03
7184	643336.2	4168048.9	Worker	Scenario 4	2.20E-01	3.80E-03	4.38E-03
7185	643436.2	4168048.9	Worker	Scenario 4	2.06E-01	3.54E-03	3.97E-03
7186	643536.2	4168048.9	Worker	Scenario 4	1.95E-01	3.32E-03	3.88E-03
7187	643636.2	4168048.9	Worker	Scenario 4	1.87E-01	3.15E-03	3.60E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7188	643736.2	4168048.9	Worker	Scenario 4	1.80E-01	3.00E-03	3.44E-03
7189	643836.2	4168048.9	Worker	Scenario 4	1.74E-01	2.86E-03	3.27E-03
7190	643936.2	4168048.9	Worker	Scenario 4	1.69E-01	2.74E-03	3.12E-03
7191	644036.2	4168048.9	Worker	Scenario 4	1.64E-01	2.63E-03	2.94E-03
7192	644136.2	4168048.9	Worker	Scenario 4	1.60E-01	2.53E-03	2.83E-03
7193	644236.2	4168048.9	Worker	Scenario 4	1.54E-01	2.43E-03	2.68E-03
7194	644336.2	4168048.9	Worker	Scenario 4	1.49E-01	2.33E-03	2.58E-03
7195	644436.2	4168048.9	Worker	Scenario 4	1.43E-01	2.23E-03	2.44E-03
7196	644536.2	4168048.9	Worker	Scenario 4	1.38E-01	2.13E-03	2.27E-03
7197	644636.2	4168048.9	Worker	Scenario 4	1.33E-01	2.04E-03	2.21E-03
7198	644736.2	4168048.9	Worker	Scenario 4	1.27E-01	1.95E-03	2.17E-03
7199	644836.2	4168048.9	Worker	Scenario 4	1.22E-01	1.87E-03	2.09E-03
7200	644936.2	4168048.9	Worker	Scenario 4	1.17E-01	1.79E-03	2.00E-03
7201	645036.2	4168048.9	Worker	Scenario 4	1.13E-01	1.72E-03	1.93E-03
7202	645136.2	4168048.9	Worker	Scenario 4	1.08E-01	1.65E-03	1.87E-03
7203	645236.2	4168048.9	Worker	Scenario 4	1.04E-01	1.59E-03	1.80E-03
7204	645336.2	4168048.9	Worker	Scenario 4	1.01E-01	1.53E-03	1.73E-03
7205	645436.2	4168048.9	Worker	Scenario 4	9.69E-02	1.47E-03	1.69E-03
7206	645536.2	4168048.9	Worker	Scenario 4	9.33E-02	1.41E-03	1.63E-03
7207	645636.2	4168048.9	Worker	Scenario 4	8.99E-02	1.36E-03	1.57E-03
7208	645736.2	4168048.9	Worker	Scenario 4	8.67E-02	1.31E-03	1.51E-03
7209	645836.2	4168048.9	Worker	Scenario 4	8.37E-02	1.27E-03	1.48E-03
7210	645936.2	4168048.9	Worker	Scenario 4	8.08E-02	1.22E-03	1.44E-03
7211	646036.2	4168048.9	Worker	Scenario 4	7.81E-02	1.18E-03	1.39E-03
7212	646236.2	4168048.9	Worker	Scenario 4	7.29E-02	1.11E-03	1.29E-03
7213	646336.2	4168048.9	Worker	Scenario 4	7.06E-02	1.07E-03	1.26E-03
7214	646436.2	4168048.9	Worker	Scenario 4	6.84E-02	1.04E-03	1.24E-03
7215	646536.2	4168048.9	Worker	Scenario 4	6.63E-02	1.01E-03	1.20E-03
7216	646636.2	4168048.9	Worker	Scenario 4	6.43E-02	9.76E-04	1.17E-03
7217	646736.2	4168048.9	Worker	Scenario 4	6.24E-02	9.47E-04	1.13E-03
7218	646836.2	4168048.9	Worker	Scenario 4	6.05E-02	9.19E-04	1.10E-03
7219	646936.2	4168048.9	Worker	Scenario 4	5.88E-02	8.93E-04	1.06E-03
7220	636036.2	4168148.9	Worker	Scenario 4	7.05E-03	2.39E-04	1.40E-03
7221	636136.2	4168148.9	Worker	Scenario 4	7.14E-03	2.44E-04	1.39E-03
7222	636236.2	4168148.9	Worker	Scenario 4	7.16E-03	2.46E-04	1.35E-03
7223	636336.2	4168148.9	Worker	Scenario 4	7.50E-03	2.56E-04	1.43E-03
7224	636436.2	4168148.9	Worker	Scenario 4	8.09E-03	2.71E-04	1.60E-03
7225	636536.2	4168148.9	Worker	Scenario 4	8.39E-03	2.80E-04	1.70E-03
7226	636636.2	4168148.9	Worker	Scenario 4	8.86E-03	2.93E-04	1.80E-03
7227	636736.2	4168148.9	Worker	Scenario 4	9.14E-03	3.03E-04	1.88E-03
7228	636836.2	4168148.9	Worker	Scenario 4	9.71E-03	3.19E-04	1.96E-03
7229	636936.2	4168148.9	Worker	Scenario 4	1.05E-02	3.40E-04	2.21E-03
7230	637036.2	4168148.9	Worker	Scenario 4	1.13E-02	3.60E-04	2.58E-03
7231	637136.2	4168148.9	Worker	Scenario 4	1.24E-02	3.89E-04	2.98E-03
7232	637236.2	4168148.9	Worker	Scenario 4	1.36E-02	4.20E-04	3.20E-03
7233	637336.2	4168148.9	Worker	Scenario 4	1.47E-02	4.50E-04	3.27E-03
7234	637436.2	4168148.9	Worker	Scenario 4	1.53E-02	4.70E-04	3.31E-03
7235	637536.2	4168148.9	Worker	Scenario 4	1.39E-02	4.40E-04	3.06E-03
7236	637636.2	4168148.9	Worker	Scenario 4	1.50E-02	4.71E-04	3.07E-03
7237	637736.2	4168148.9	Worker	Scenario 4	1.73E-02	5.31E-04	3.05E-03
7238	637836.2	4168148.9	Worker	Scenario 4	1.79E-02	5.49E-04	2.83E-03
7239	637936.2	4168148.9	Worker	Scenario 4	2.00E-02	6.07E-04	2.61E-03
7240	638036.2	4168148.9	Worker	Scenario 4	2.30E-02	6.88E-04	2.25E-03
7241	638136.2	4168148.9	Worker	Scenario 4	2.17E-02	6.58E-04	3.00E-03
7242	638236.2	4168148.9	Worker	Scenario 4	2.31E-02	7.02E-04	3.31E-03
7243	638336.2	4168148.9	Worker	Scenario 4	2.67E-02	8.01E-04	2.93E-03
7244	638436.2	4168148.9	Worker	Scenario 4	2.67E-02	8.11E-04	3.62E-03
7245	638536.2	4168148.9	Worker	Scenario 4	3.14E-02	9.46E-04	2.70E-03
7246	638636.2	4168148.9	Worker	Scenario 4	3.19E-02	9.75E-04	3.35E-03
7247	638736.2	4168148.9	Worker	Scenario 4	3.54E-02	1.08E-03	3.27E-03
7248	638836.2	4168148.9	Worker	Scenario 4	3.95E-02	1.21E-03	2.94E-03
7249	638936.2	4168148.9	Worker	Scenario 4	4.27E-02	1.32E-03	3.45E-03
7250	639036.2	4168148.9	Worker	Scenario 4	4.70E-02	1.46E-03	3.84E-03
7251	639136.2	4168148.9	Worker	Scenario 4	5.21E-02	1.64E-03	4.00E-03
7252	639236.2	4168148.9	Worker	Scenario 4	5.87E-02	1.86E-03	3.79E-03
7253	642936.2	4168148.9	Worker	Scenario 4	2.90E-01	5.05E-03	6.15E-03
7254	643036.2	4168148.9	Worker	Scenario 4	2.67E-01	4.59E-03	6.01E-03
7255	643136.2	4168148.9	Worker	Scenario 4	2.45E-01	4.18E-03	5.20E-03
7256	643236.2	4168148.9	Worker	Scenario 4	2.24E-01	3.83E-03	4.54E-03
7257	643336.2	4168148.9	Worker	Scenario 4	2.07E-01	3.54E-03	4.22E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7258	643436.2	4168148.9	Worker	Scenario 4	1.94E-01	3.30E-03	3.97E-03
7259	643536.2	4168148.9	Worker	Scenario 4	1.84E-01	3.11E-03	3.75E-03
7260	643636.2	4168148.9	Worker	Scenario 4	1.75E-01	2.94E-03	3.55E-03
7261	643736.2	4168148.9	Worker	Scenario 4	1.67E-01	2.79E-03	3.31E-03
7262	643836.2	4168148.9	Worker	Scenario 4	1.60E-01	2.66E-03	3.21E-03
7263	643936.2	4168148.9	Worker	Scenario 4	1.55E-01	2.54E-03	3.00E-03
7264	644036.2	4168148.9	Worker	Scenario 4	1.50E-01	2.43E-03	2.87E-03
7265	644136.2	4168148.9	Worker	Scenario 4	1.45E-01	2.34E-03	2.78E-03
7266	644236.2	4168148.9	Worker	Scenario 4	1.40E-01	2.25E-03	2.64E-03
7267	644336.2	4168148.9	Worker	Scenario 4	1.36E-01	2.16E-03	2.54E-03
7268	644436.2	4168148.9	Worker	Scenario 4	1.31E-01	2.07E-03	2.42E-03
7269	644536.2	4168148.9	Worker	Scenario 4	1.27E-01	1.99E-03	2.33E-03
7270	644636.2	4168148.9	Worker	Scenario 4	1.23E-01	1.91E-03	2.22E-03
7271	644736.2	4168148.9	Worker	Scenario 4	1.18E-01	1.84E-03	2.15E-03
7272	644836.2	4168148.9	Worker	Scenario 4	1.14E-01	1.76E-03	2.05E-03
7273	644936.2	4168148.9	Worker	Scenario 4	1.10E-01	1.70E-03	1.92E-03
7274	645036.2	4168148.9	Worker	Scenario 4	1.06E-01	1.63E-03	1.84E-03
7275	645136.2	4168148.9	Worker	Scenario 4	1.02E-01	1.57E-03	1.82E-03
7276	645236.2	4168148.9	Worker	Scenario 4	9.87E-02	1.51E-03	1.78E-03
7277	645336.2	4168148.9	Worker	Scenario 4	9.53E-02	1.46E-03	1.73E-03
7278	645436.2	4168148.9	Worker	Scenario 4	9.20E-02	1.41E-03	1.66E-03
7279	645536.2	4168148.9	Worker	Scenario 4	8.88E-02	1.36E-03	1.61E-03
7280	645636.2	4168148.9	Worker	Scenario 4	8.58E-02	1.31E-03	1.57E-03
7281	645736.2	4168148.9	Worker	Scenario 4	8.30E-02	1.26E-03	1.51E-03
7282	645836.2	4168148.9	Worker	Scenario 4	8.03E-02	1.22E-03	1.45E-03
7283	645936.2	4168148.9	Worker	Scenario 4	7.76E-02	1.18E-03	1.42E-03
7284	646036.2	4168148.9	Worker	Scenario 4	7.51E-02	1.14E-03	1.38E-03
7285	646236.2	4168148.9	Worker	Scenario 4	7.04E-02	1.07E-03	1.29E-03
7286	646336.2	4168148.9	Worker	Scenario 4	6.83E-02	1.04E-03	1.24E-03
7287	646436.2	4168148.9	Worker	Scenario 4	6.62E-02	1.01E-03	1.22E-03
7288	646536.2	4168148.9	Worker	Scenario 4	6.43E-02	9.78E-04	1.19E-03
7289	646636.2	4168148.9	Worker	Scenario 4	6.24E-02	9.49E-04	1.16E-03
7290	646736.2	4168148.9	Worker	Scenario 4	6.06E-02	9.22E-04	1.13E-03
7291	646836.2	4168148.9	Worker	Scenario 4	5.89E-02	8.96E-04	1.09E-03
7292	635936.2	4168248.9	Worker	Scenario 4	6.70E-03	2.29E-04	1.35E-03
7293	636036.2	4168248.9	Worker	Scenario 4	6.86E-03	2.35E-04	1.41E-03
7294	636136.2	4168248.9	Worker	Scenario 4	6.85E-03	2.36E-04	1.41E-03
7295	636236.2	4168248.9	Worker	Scenario 4	7.15E-03	2.45E-04	1.49E-03
7296	636336.2	4168248.9	Worker	Scenario 4	7.47E-03	2.55E-04	1.57E-03
7297	636436.2	4168248.9	Worker	Scenario 4	7.75E-03	2.63E-04	1.62E-03
7298	636536.2	4168248.9	Worker	Scenario 4	8.16E-03	2.74E-04	1.67E-03
7299	636636.2	4168248.9	Worker	Scenario 4	8.58E-03	2.87E-04	1.71E-03
7300	636736.2	4168248.9	Worker	Scenario 4	9.07E-03	3.00E-04	1.83E-03
7301	636836.2	4168248.9	Worker	Scenario 4	9.63E-03	3.16E-04	2.03E-03
7302	636936.2	4168248.9	Worker	Scenario 4	1.03E-02	3.34E-04	2.25E-03
7303	637036.2	4168248.9	Worker	Scenario 4	1.11E-02	3.54E-04	2.41E-03
7304	637136.2	4168248.9	Worker	Scenario 4	1.22E-02	3.84E-04	2.58E-03
7305	637236.2	4168248.9	Worker	Scenario 4	1.35E-02	4.16E-04	2.60E-03
7306	637336.2	4168248.9	Worker	Scenario 4	1.48E-02	4.53E-04	2.49E-03
7307	637436.2	4168248.9	Worker	Scenario 4	1.61E-02	4.87E-04	2.31E-03
7308	637536.2	4168248.9	Worker	Scenario 4	1.47E-02	4.58E-04	2.24E-03
7309	637636.2	4168248.9	Worker	Scenario 4	1.57E-02	4.89E-04	2.29E-03
7310	637736.2	4168248.9	Worker	Scenario 4	1.77E-02	5.41E-04	2.65E-03
7311	637836.2	4168248.9	Worker	Scenario 4	1.97E-02	5.96E-04	2.81E-03
7312	637936.2	4168248.9	Worker	Scenario 4	1.98E-02	6.05E-04	3.21E-03
7313	638036.2	4168248.9	Worker	Scenario 4	2.30E-02	6.94E-04	2.82E-03
7314	638136.2	4168248.9	Worker	Scenario 4	2.37E-02	7.17E-04	3.08E-03
7315	638236.2	4168248.9	Worker	Scenario 4	2.45E-02	7.42E-04	3.23E-03
7316	638336.2	4168248.9	Worker	Scenario 4	2.79E-02	8.41E-04	2.78E-03
7317	638436.2	4168248.9	Worker	Scenario 4	2.91E-02	8.86E-04	3.19E-03
7318	638536.2	4168248.9	Worker	Scenario 4	3.35E-02	1.02E-03	2.49E-03
7319	638636.2	4168248.9	Worker	Scenario 4	3.51E-02	1.08E-03	3.15E-03
7320	638736.2	4168248.9	Worker	Scenario 4	3.85E-02	1.19E-03	3.42E-03
7321	638836.2	4168248.9	Worker	Scenario 4	4.36E-02	1.36E-03	3.17E-03
7322	638936.2	4168248.9	Worker	Scenario 4	4.81E-02	1.51E-03	3.18E-03
7323	639036.2	4168248.9	Worker	Scenario 4	5.36E-02	1.70E-03	3.21E-03
7324	639136.2	4168248.9	Worker	Scenario 4	6.03E-02	1.94E-03	2.96E-03
7325	642836.2	4168248.9	Worker	Scenario 4	2.89E-01	5.01E-03	6.22E-03
7326	642936.2	4168248.9	Worker	Scenario 4	2.67E-01	4.56E-03	5.83E-03
7327	643036.2	4168248.9	Worker	Scenario 4	2.46E-01	4.18E-03	5.31E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
7328	643136.2	4168248.9	Worker	Scenario 4	2.28E-01	3.86E-03	5.59E-03
7329	643236.2	4168248.9	Worker	Scenario 4	2.11E-01	3.56E-03	5.40E-03
7330	643336.2	4168248.9	Worker	Scenario 4	1.96E-01	3.31E-03	4.72E-03
7331	643436.2	4168248.9	Worker	Scenario 4	1.83E-01	3.10E-03	3.98E-03
7332	643536.2	4168248.9	Worker	Scenario 4	1.73E-01	2.92E-03	3.68E-03
7333	643636.2	4168248.9	Worker	Scenario 4	1.65E-01	2.76E-03	3.49E-03
7334	643736.2	4168248.9	Worker	Scenario 4	1.57E-01	2.62E-03	3.31E-03
7335	643836.2	4168248.9	Worker	Scenario 4	1.50E-01	2.49E-03	3.14E-03
7336	643936.2	4168248.9	Worker	Scenario 4	1.44E-01	2.38E-03	2.93E-03
7337	644036.2	4168248.9	Worker	Scenario 4	1.39E-01	2.28E-03	2.81E-03
7338	644136.2	4168248.9	Worker	Scenario 4	1.34E-01	2.18E-03	2.73E-03
7339	644236.2	4168248.9	Worker	Scenario 4	1.30E-01	2.10E-03	2.56E-03
7340	644336.2	4168248.9	Worker	Scenario 4	1.25E-01	2.01E-03	2.44E-03
7341	644436.2	4168248.9	Worker	Scenario 4	1.21E-01	1.94E-03	2.39E-03
7342	644536.2	4168248.9	Worker	Scenario 4	1.18E-01	1.87E-03	2.28E-03
7343	644636.2	4168248.9	Worker	Scenario 4	1.14E-01	1.80E-03	2.20E-03
7344	644736.2	4168248.9	Worker	Scenario 4	1.10E-01	1.73E-03	2.11E-03
7345	644836.2	4168248.9	Worker	Scenario 4	1.07E-01	1.67E-03	2.04E-03
7346	644936.2	4168248.9	Worker	Scenario 4	1.03E-01	1.61E-03	1.96E-03
7347	645036.2	4168248.9	Worker	Scenario 4	9.96E-02	1.55E-03	1.88E-03
7348	645136.2	4168248.9	Worker	Scenario 4	9.64E-02	1.50E-03	1.83E-03
7349	645236.2	4168248.9	Worker	Scenario 4	9.33E-02	1.44E-03	1.75E-03
7350	645336.2	4168248.9	Worker	Scenario 4	9.03E-02	1.39E-03	1.66E-03
7351	645436.2	4168248.9	Worker	Scenario 4	8.74E-02	1.35E-03	1.57E-03
7352	645536.2	4168248.9	Worker	Scenario 4	8.46E-02	1.30E-03	1.56E-03
7353	645636.2	4168248.9	Worker	Scenario 4	8.19E-02	1.26E-03	1.54E-03
7354	645736.2	4168248.9	Worker	Scenario 4	7.93E-02	1.22E-03	1.50E-03
7355	645836.2	4168248.9	Worker	Scenario 4	7.69E-02	1.18E-03	1.46E-03
7356	645936.2	4168248.9	Worker	Scenario 4	7.44E-02	1.14E-03	1.40E-03
7357	646036.2	4168248.9	Worker	Scenario 4	7.22E-02	1.10E-03	1.36E-03
7358	646236.2	4168248.9	Worker	Scenario 4	6.78E-02	1.04E-03	1.29E-03
7359	646336.2	4168248.9	Worker	Scenario 4	6.59E-02	1.01E-03	1.24E-03
7360	646436.2	4168248.9	Worker	Scenario 4	6.40E-02	9.76E-04	1.21E-03
7361	646536.2	4168248.9	Worker	Scenario 4	6.21E-02	9.49E-04	1.18E-03
7362	646636.2	4168248.9	Worker	Scenario 4	6.04E-02	9.22E-04	1.16E-03
7363	646736.2	4168248.9	Worker	Scenario 4	5.87E-02	8.97E-04	1.12E-03
7364	646836.2	4168248.9	Worker	Scenario 4	5.72E-02	8.72E-04	1.09E-03
7365	635936.2	4168348.9	Worker	Scenario 4	6.61E-03	2.27E-04	1.35E-03
7366	636036.2	4168348.9	Worker	Scenario 4	6.69E-03	2.30E-04	1.33E-03
7367	636136.2	4168348.9	Worker	Scenario 4	7.00E-03	2.39E-04	1.36E-03
7368	636236.2	4168348.9	Worker	Scenario 4	7.32E-03	2.48E-04	1.39E-03
7369	636336.2	4168348.9	Worker	Scenario 4	7.62E-03	2.57E-04	1.40E-03
7370	636436.2	4168348.9	Worker	Scenario 4	8.03E-03	2.68E-04	1.48E-03
7371	636536.2	4168348.9	Worker	Scenario 4	8.38E-03	2.78E-04	1.50E-03
7372	636636.2	4168348.9	Worker	Scenario 4	8.77E-03	2.90E-04	1.58E-03
7373	636736.2	4168348.9	Worker	Scenario 4	9.32E-03	3.05E-04	1.73E-03
7374	636836.2	4168348.9	Worker	Scenario 4	9.93E-03	3.22E-04	1.87E-03
7375	636936.2	4168348.9	Worker	Scenario 4	1.05E-02	3.38E-04	1.97E-03
7376	637036.2	4168348.9	Worker	Scenario 4	1.12E-02	3.56E-04	2.04E-03
7377	637136.2	4168348.9	Worker	Scenario 4	1.20E-02	3.77E-04	2.06E-03
7378	637236.2	4168348.9	Worker	Scenario 4	1.35E-02	4.15E-04	2.02E-03
7379	637336.2	4168348.9	Worker	Scenario 4	1.51E-02	4.57E-04	2.32E-03
7380	637436.2	4168348.9	Worker	Scenario 4	1.66E-02	4.99E-04	2.47E-03
7381	637536.2	4168348.9	Worker	Scenario 4	1.55E-02	4.79E-04	2.89E-03
7382	637636.2	4168348.9	Worker	Scenario 4	1.71E-02	5.24E-04	3.02E-03
7383	637736.2	4168348.9	Worker	Scenario 4	1.78E-02	5.46E-04	3.14E-03
7384	637836.2	4168348.9	Worker	Scenario 4	1.99E-02	6.06E-04	2.96E-03
7385	637936.2	4168348.9	Worker	Scenario 4	2.20E-02	6.66E-04	2.67E-03
7386	638036.2	4168348.9	Worker	Scenario 4	2.32E-02	7.04E-04	2.87E-03
7387	638136.2	4168348.9	Worker	Scenario 4	2.69E-02	8.06E-04	2.09E-03
7388	638236.2	4168348.9	Worker	Scenario 4	2.67E-02	8.09E-04	2.93E-03
7389	638336.2	4168348.9	Worker	Scenario 4	2.98E-02	9.02E-04	2.71E-03
7390	638436.2	4168348.9	Worker	Scenario 4	3.16E-02	9.66E-04	3.12E-03
7391	638536.2	4168348.9	Worker	Scenario 4	3.70E-02	1.13E-03	2.22E-03
7392	638636.2	4168348.9	Worker	Scenario 4	3.85E-02	1.20E-03	3.05E-03
7393	638736.2	4168348.9	Worker	Scenario 4	4.33E-02	1.36E-03	2.80E-03
7394	638836.2	4168348.9	Worker	Scenario 4	4.91E-02	1.55E-03	2.47E-03
7395	638936.2	4168348.9	Worker	Scenario 4	5.49E-02	1.77E-03	2.66E-03
7396	642636.2	4168348.9	Worker	Scenario 4	3.14E-01	5.46E-03	6.52E-03
7397	642736.2	4168348.9	Worker	Scenario 4	2.89E-01	4.96E-03	6.21E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7398	642836.2	4168348.9	Worker	Scenario 4	2.67E-01	4.53E-03	5.94E-03
7399	642936.2	4168348.9	Worker	Scenario 4	2.47E-01	4.17E-03	5.53E-03
7400	643036.2	4168348.9	Worker	Scenario 4	2.29E-01	3.85E-03	5.20E-03
7401	643136.2	4168348.9	Worker	Scenario 4	2.13E-01	3.57E-03	4.88E-03
7402	643236.2	4168348.9	Worker	Scenario 4	1.98E-01	3.32E-03	4.83E-03
7403	643336.2	4168348.9	Worker	Scenario 4	1.84E-01	3.10E-03	5.13E-03
7404	643436.2	4168348.9	Worker	Scenario 4	1.73E-01	2.91E-03	4.92E-03
7405	643536.2	4168348.9	Worker	Scenario 4	1.64E-01	2.75E-03	4.33E-03
7406	643636.2	4168348.9	Worker	Scenario 4	1.56E-01	2.61E-03	3.60E-03
7407	643736.2	4168348.9	Worker	Scenario 4	1.49E-01	2.48E-03	3.26E-03
7408	643836.2	4168348.9	Worker	Scenario 4	1.42E-01	2.35E-03	3.06E-03
7409	643936.2	4168348.9	Worker	Scenario 4	1.36E-01	2.25E-03	2.91E-03
7410	644036.2	4168348.9	Worker	Scenario 4	1.30E-01	2.15E-03	2.77E-03
7411	644136.2	4168348.9	Worker	Scenario 4	1.25E-01	2.06E-03	2.67E-03
7412	644236.2	4168348.9	Worker	Scenario 4	1.21E-01	1.98E-03	2.46E-03
7413	644336.2	4168348.9	Worker	Scenario 4	1.17E-01	1.89E-03	2.42E-03
7414	644436.2	4168348.9	Worker	Scenario 4	1.13E-01	1.82E-03	2.35E-03
7415	644536.2	4168348.9	Worker	Scenario 4	1.10E-01	1.76E-03	2.21E-03
7416	644636.2	4168348.9	Worker	Scenario 4	1.06E-01	1.70E-03	2.13E-03
7417	644736.2	4168348.9	Worker	Scenario 4	1.03E-01	1.64E-03	2.08E-03
7418	644836.2	4168348.9	Worker	Scenario 4	9.99E-02	1.58E-03	2.00E-03
7419	644936.2	4168348.9	Worker	Scenario 4	9.68E-02	1.52E-03	1.93E-03
7420	645036.2	4168348.9	Worker	Scenario 4	9.38E-02	1.47E-03	1.87E-03
7421	645136.2	4168348.9	Worker	Scenario 4	9.10E-02	1.42E-03	1.79E-03
7422	645236.2	4168348.9	Worker	Scenario 4	8.83E-02	1.38E-03	1.75E-03
7423	645336.2	4168348.9	Worker	Scenario 4	8.56E-02	1.33E-03	1.68E-03
7424	645436.2	4168348.9	Worker	Scenario 4	8.30E-02	1.29E-03	1.63E-03
7425	645536.2	4168348.9	Worker	Scenario 4	8.04E-02	1.25E-03	1.59E-03
7426	645636.2	4168348.9	Worker	Scenario 4	7.80E-02	1.21E-03	1.53E-03
7427	645736.2	4168348.9	Worker	Scenario 4	7.58E-02	1.17E-03	1.46E-03
7428	645836.2	4168348.9	Worker	Scenario 4	7.35E-02	1.13E-03	1.37E-03
7429	645936.2	4168348.9	Worker	Scenario 4	7.12E-02	1.10E-03	1.35E-03
7430	646036.2	4168348.9	Worker	Scenario 4	6.92E-02	1.06E-03	1.34E-03
7431	646236.2	4168348.9	Worker	Scenario 4	6.52E-02	1.00E-03	1.28E-03
7432	646336.2	4168348.9	Worker	Scenario 4	6.34E-02	9.72E-04	1.24E-03
7433	646436.2	4168348.9	Worker	Scenario 4	6.16E-02	9.45E-04	1.19E-03
7434	646536.2	4168348.9	Worker	Scenario 4	5.99E-02	9.19E-04	1.17E-03
7435	646636.2	4168348.9	Worker	Scenario 4	5.83E-02	8.94E-04	1.15E-03
7436	646736.2	4168348.9	Worker	Scenario 4	5.68E-02	8.70E-04	1.12E-03
7437	646836.2	4168348.9	Worker	Scenario 4	5.53E-02	8.48E-04	1.08E-03
7438	635836.2	4168448.9	Worker	Scenario 4	6.29E-03	2.17E-04	1.08E-03
7439	635936.2	4168448.9	Worker	Scenario 4	6.52E-03	2.24E-04	1.07E-03
7440	636036.2	4168448.9	Worker	Scenario 4	6.81E-03	2.33E-04	1.11E-03
7441	636136.2	4168448.9	Worker	Scenario 4	7.12E-03	2.41E-04	1.25E-03
7442	636236.2	4168448.9	Worker	Scenario 4	7.49E-03	2.52E-04	1.40E-03
7443	636336.2	4168448.9	Worker	Scenario 4	8.18E-03	2.68E-04	1.58E-03
7444	636436.2	4168448.9	Worker	Scenario 4	8.12E-03	2.70E-04	1.62E-03
7445	636536.2	4168448.9	Worker	Scenario 4	8.55E-03	2.81E-04	1.73E-03
7446	636636.2	4168448.9	Worker	Scenario 4	9.11E-03	2.96E-04	1.82E-03
7447	636736.2	4168448.9	Worker	Scenario 4	9.53E-03	3.08E-04	1.87E-03
7448	636836.2	4168448.9	Worker	Scenario 4	1.01E-02	3.24E-04	1.89E-03
7449	636936.2	4168448.9	Worker	Scenario 4	1.07E-02	3.41E-04	1.88E-03
7450	637036.2	4168448.9	Worker	Scenario 4	1.18E-02	3.68E-04	2.20E-03
7451	637136.2	4168448.9	Worker	Scenario 4	1.23E-02	3.84E-04	2.45E-03
7452	637236.2	4168448.9	Worker	Scenario 4	1.33E-02	4.11E-04	2.70E-03
7453	637336.2	4168448.9	Worker	Scenario 4	1.53E-02	4.63E-04	2.73E-03
7454	637436.2	4168448.9	Worker	Scenario 4	1.68E-02	5.05E-04	2.60E-03
7455	637536.2	4168448.9	Worker	Scenario 4	1.61E-02	4.93E-04	2.74E-03
7456	637636.2	4168448.9	Worker	Scenario 4	1.79E-02	5.43E-04	2.72E-03
7457	637736.2	4168448.9	Worker	Scenario 4	1.90E-02	5.79E-04	2.92E-03
7458	637836.2	4168448.9	Worker	Scenario 4	2.05E-02	6.23E-04	2.97E-03
7459	637936.2	4168448.9	Worker	Scenario 4	2.29E-02	6.92E-04	2.73E-03
7460	638036.2	4168448.9	Worker	Scenario 4	2.46E-02	7.45E-04	2.77E-03
7461	638136.2	4168448.9	Worker	Scenario 4	2.79E-02	8.39E-04	2.50E-03
7462	638236.2	4168448.9	Worker	Scenario 4	2.91E-02	8.81E-04	2.86E-03
7463	638336.2	4168448.9	Worker	Scenario 4	3.21E-02	9.75E-04	2.67E-03
7464	638436.2	4168448.9	Worker	Scenario 4	3.51E-02	1.07E-03	2.53E-03
7465	638536.2	4168448.9	Worker	Scenario 4	4.04E-02	1.24E-03	2.12E-03
7466	638636.2	4168448.9	Worker	Scenario 4	4.34E-02	1.36E-03	2.58E-03
7467	638736.2	4168448.9	Worker	Scenario 4	4.97E-02	1.58E-03	2.38E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7468	638836.2	4168448.9	Worker	Scenario 4	5.63E-02	1.83E-03	2.41E-03
7469	642536.2	4168448.9	Worker	Scenario 4	3.14E-01	5.37E-03	6.74E-03
7470	642636.2	4168448.9	Worker	Scenario 4	2.87E-01	4.88E-03	6.45E-03
7471	642736.2	4168448.9	Worker	Scenario 4	2.65E-01	4.48E-03	5.86E-03
7472	642836.2	4168448.9	Worker	Scenario 4	2.45E-01	4.14E-03	5.46E-03
7473	642936.2	4168448.9	Worker	Scenario 4	2.28E-01	3.83E-03	5.29E-03
7474	643036.2	4168448.9	Worker	Scenario 4	2.12E-01	3.56E-03	4.99E-03
7475	643136.2	4168448.9	Worker	Scenario 4	1.98E-01	3.32E-03	4.69E-03
7476	643236.2	4168448.9	Worker	Scenario 4	1.85E-01	3.10E-03	4.44E-03
7477	643336.2	4168448.9	Worker	Scenario 4	1.73E-01	2.91E-03	4.24E-03
7478	643436.2	4168448.9	Worker	Scenario 4	1.63E-01	2.73E-03	4.56E-03
7479	643536.2	4168448.9	Worker	Scenario 4	1.54E-01	2.58E-03	4.74E-03
7480	643636.2	4168448.9	Worker	Scenario 4	1.47E-01	2.46E-03	4.52E-03
7481	643736.2	4168448.9	Worker	Scenario 4	1.40E-01	2.34E-03	4.00E-03
7482	643836.2	4168448.9	Worker	Scenario 4	1.34E-01	2.22E-03	3.32E-03
7483	643936.2	4168448.9	Worker	Scenario 4	1.28E-01	2.12E-03	2.92E-03
7484	644036.2	4168448.9	Worker	Scenario 4	1.23E-01	2.03E-03	2.71E-03
7485	644136.2	4168448.9	Worker	Scenario 4	1.18E-01	1.95E-03	2.60E-03
7486	644236.2	4168448.9	Worker	Scenario 4	1.14E-01	1.87E-03	2.50E-03
7487	644336.2	4168448.9	Worker	Scenario 4	1.10E-01	1.79E-03	2.39E-03
7488	644436.2	4168448.9	Worker	Scenario 4	1.06E-01	1.72E-03	2.28E-03
7489	644536.2	4168448.9	Worker	Scenario 4	1.03E-01	1.66E-03	2.11E-03
7490	644636.2	4168448.9	Worker	Scenario 4	9.95E-02	1.60E-03	2.12E-03
7491	644736.2	4168448.9	Worker	Scenario 4	9.66E-02	1.55E-03	2.05E-03
7492	644836.2	4168448.9	Worker	Scenario 4	9.37E-02	1.50E-03	1.94E-03
7493	644936.2	4168448.9	Worker	Scenario 4	9.10E-02	1.45E-03	1.87E-03
7494	645036.2	4168448.9	Worker	Scenario 4	8.84E-02	1.40E-03	1.83E-03
7495	645136.2	4168448.9	Worker	Scenario 4	8.59E-02	1.36E-03	1.78E-03
7496	645236.2	4168448.9	Worker	Scenario 4	8.35E-02	1.31E-03	1.70E-03
7497	645336.2	4168448.9	Worker	Scenario 4	8.11E-02	1.27E-03	1.67E-03
7498	645436.2	4168448.9	Worker	Scenario 4	7.88E-02	1.23E-03	1.61E-03
7499	645536.2	4168448.9	Worker	Scenario 4	7.65E-02	1.20E-03	1.56E-03
7500	645636.2	4168448.9	Worker	Scenario 4	7.43E-02	1.16E-03	1.52E-03
7501	645736.2	4168448.9	Worker	Scenario 4	7.22E-02	1.12E-03	1.46E-03
7502	645836.2	4168448.9	Worker	Scenario 4	7.01E-02	1.09E-03	1.42E-03
7503	645936.2	4168448.9	Worker	Scenario 4	6.81E-02	1.06E-03	1.39E-03
7504	646036.2	4168448.9	Worker	Scenario 4	6.62E-02	1.03E-03	1.34E-03
7505	646236.2	4168448.9	Worker	Scenario 4	6.25E-02	9.67E-04	1.21E-03
7506	646336.2	4168448.9	Worker	Scenario 4	6.09E-02	9.40E-04	1.17E-03
7507	646436.2	4168448.9	Worker	Scenario 4	5.93E-02	9.14E-04	1.17E-03
7508	646536.2	4168448.9	Worker	Scenario 4	5.77E-02	8.90E-04	1.16E-03
7509	646636.2	4168448.9	Worker	Scenario 4	5.62E-02	8.66E-04	1.14E-03
7510	646736.2	4168448.9	Worker	Scenario 4	5.48E-02	8.44E-04	1.11E-03
7511	635836.2	4168548.9	Worker	Scenario 4	6.37E-03	2.19E-04	1.18E-03
7512	635936.2	4168548.9	Worker	Scenario 4	6.72E-03	2.29E-04	1.32E-03
7513	636036.2	4168548.9	Worker	Scenario 4	7.13E-03	2.39E-04	1.45E-03
7514	636136.2	4168548.9	Worker	Scenario 4	7.25E-03	2.44E-04	1.49E-03
7515	636236.2	4168548.9	Worker	Scenario 4	7.59E-03	2.53E-04	1.56E-03
7516	636336.2	4168548.9	Worker	Scenario 4	8.20E-03	2.67E-04	1.64E-03
7517	636436.2	4168548.9	Worker	Scenario 4	8.81E-03	2.84E-04	1.69E-03
7518	636536.2	4168548.9	Worker	Scenario 4	8.92E-03	2.88E-04	1.65E-03
7519	636636.2	4168548.9	Worker	Scenario 4	9.51E-03	3.03E-04	1.66E-03
7520	636736.2	4168548.9	Worker	Scenario 4	1.01E-02	3.19E-04	2.00E-03
7521	636836.2	4168548.9	Worker	Scenario 4	1.07E-02	3.36E-04	2.24E-03
7522	636936.2	4168548.9	Worker	Scenario 4	1.13E-02	3.52E-04	2.39E-03
7523	637036.2	4168548.9	Worker	Scenario 4	1.20E-02	3.72E-04	2.47E-03
7524	637136.2	4168548.9	Worker	Scenario 4	1.32E-02	4.03E-04	2.49E-03
7525	637236.2	4168548.9	Worker	Scenario 4	1.40E-02	4.26E-04	2.39E-03
7526	637336.2	4168548.9	Worker	Scenario 4	1.55E-02	4.68E-04	2.55E-03
7527	637436.2	4168548.9	Worker	Scenario 4	1.74E-02	5.18E-04	2.51E-03
7528	637536.2	4168548.9	Worker	Scenario 4	1.76E-02	5.32E-04	2.72E-03
7529	637636.2	4168548.9	Worker	Scenario 4	1.81E-02	5.50E-04	2.88E-03
7530	637736.2	4168548.9	Worker	Scenario 4	2.04E-02	6.17E-04	2.76E-03
7531	637836.2	4168548.9	Worker	Scenario 4	2.20E-02	6.67E-04	2.74E-03
7532	637936.2	4168548.9	Worker	Scenario 4	2.39E-02	7.22E-04	2.83E-03
7533	638036.2	4168548.9	Worker	Scenario 4	2.61E-02	7.91E-04	2.72E-03
7534	638136.2	4168548.9	Worker	Scenario 4	2.82E-02	8.58E-04	2.56E-03
7535	638236.2	4168548.9	Worker	Scenario 4	3.36E-02	1.01E-03	1.84E-03
7536	638336.2	4168548.9	Worker	Scenario 4	3.57E-02	1.09E-03	1.93E-03
7537	638436.2	4168548.9	Worker	Scenario 4	3.94E-02	1.22E-03	2.06E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
7538	638536.2	4168548.9	Worker	Scenario 4	4.45E-02	1.39E-03	2.13E-03
7539	638636.2	4168548.9	Worker	Scenario 4	5.13E-02	1.63E-03	2.11E-03
7540	638736.2	4168548.9	Worker	Scenario 4	5.85E-02	1.91E-03	2.09E-03
7541	642336.2	4168548.9	Worker	Scenario 4	3.39E-01	5.78E-03	7.01E-03
7542	642436.2	4168548.9	Worker	Scenario 4	3.07E-01	5.24E-03	6.88E-03
7543	642536.2	4168548.9	Worker	Scenario 4	2.80E-01	4.76E-03	6.15E-03
7544	642636.2	4168548.9	Worker	Scenario 4	2.58E-01	4.39E-03	5.92E-03
7545	642736.2	4168548.9	Worker	Scenario 4	2.40E-01	4.07E-03	5.68E-03
7546	642836.2	4168548.9	Worker	Scenario 4	2.24E-01	3.78E-03	5.30E-03
7547	642936.2	4168548.9	Worker	Scenario 4	2.09E-01	3.53E-03	5.01E-03
7548	643036.2	4168548.9	Worker	Scenario 4	1.96E-01	3.29E-03	4.74E-03
7549	643136.2	4168548.9	Worker	Scenario 4	1.84E-01	3.08E-03	4.55E-03
7550	643236.2	4168548.9	Worker	Scenario 4	1.72E-01	2.89E-03	4.23E-03
7551	643336.2	4168548.9	Worker	Scenario 4	1.62E-01	2.72E-03	4.06E-03
7552	643436.2	4168548.9	Worker	Scenario 4	1.53E-01	2.56E-03	3.84E-03
7553	643536.2	4168548.9	Worker	Scenario 4	1.44E-01	2.43E-03	3.85E-03
7554	643636.2	4168548.9	Worker	Scenario 4	1.38E-01	2.31E-03	4.29E-03
7555	643736.2	4168548.9	Worker	Scenario 4	1.32E-01	2.20E-03	4.39E-03
7556	643836.2	4168548.9	Worker	Scenario 4	1.26E-01	2.10E-03	4.17E-03
7557	643936.2	4168548.9	Worker	Scenario 4	1.21E-01	2.01E-03	3.71E-03
7558	644036.2	4168548.9	Worker	Scenario 4	1.16E-01	1.92E-03	3.12E-03
7559	644136.2	4168548.9	Worker	Scenario 4	1.11E-01	1.84E-03	2.64E-03
7560	644236.2	4168548.9	Worker	Scenario 4	1.07E-01	1.77E-03	2.46E-03
7561	644336.2	4168548.9	Worker	Scenario 4	1.03E-01	1.70E-03	2.35E-03
7562	644436.2	4168548.9	Worker	Scenario 4	9.99E-02	1.64E-03	2.25E-03
7563	644536.2	4168548.9	Worker	Scenario 4	9.66E-02	1.58E-03	2.15E-03
7564	644636.2	4168548.9	Worker	Scenario 4	9.36E-02	1.52E-03	2.10E-03
7565	644736.2	4168548.9	Worker	Scenario 4	9.08E-02	1.47E-03	1.98E-03
7566	645436.2	4168548.9	Worker	Scenario 4	7.48E-02	1.18E-03	1.60E-03
7567	645536.2	4168548.9	Worker	Scenario 4	7.28E-02	1.15E-03	1.54E-03
7568	645636.2	4168548.9	Worker	Scenario 4	7.08E-02	1.11E-03	1.50E-03
7569	645736.2	4168548.9	Worker	Scenario 4	6.88E-02	1.08E-03	1.46E-03
7570	645836.2	4168548.9	Worker	Scenario 4	6.70E-02	1.05E-03	1.40E-03
7571	645936.2	4168548.9	Worker	Scenario 4	6.51E-02	1.02E-03	1.37E-03
7572	646036.2	4168548.9	Worker	Scenario 4	6.34E-02	9.88E-04	1.33E-03
7573	646236.2	4168548.9	Worker	Scenario 4	6.00E-02	9.34E-04	1.25E-03
7574	646336.2	4168548.9	Worker	Scenario 4	5.84E-02	9.08E-04	1.23E-03
7575	646436.2	4168548.9	Worker	Scenario 4	5.70E-02	8.84E-04	1.19E-03
7576	646536.2	4168548.9	Worker	Scenario 4	5.55E-02	8.61E-04	1.14E-03
7577	646636.2	4168548.9	Worker	Scenario 4	5.41E-02	8.39E-04	1.08E-03
7578	635736.2	4168648.9	Worker	Scenario 4	6.13E-03	2.11E-04	1.21E-03
7579	635836.2	4168648.9	Worker	Scenario 4	6.43E-03	2.20E-04	1.29E-03
7580	635936.2	4168648.9	Worker	Scenario 4	6.71E-03	2.28E-04	1.34E-03
7581	636036.2	4168648.9	Worker	Scenario 4	7.07E-03	2.37E-04	1.39E-03
7582	636136.2	4168648.9	Worker	Scenario 4	8.02E-03	2.60E-04	1.49E-03
7583	636236.2	4168648.9	Worker	Scenario 4	7.94E-03	2.60E-04	1.42E-03
7584	636336.2	4168648.9	Worker	Scenario 4	8.38E-03	2.71E-04	1.50E-03
7585	636436.2	4168648.9	Worker	Scenario 4	8.95E-03	2.86E-04	1.80E-03
7586	636536.2	4168648.9	Worker	Scenario 4	9.34E-03	2.96E-04	1.94E-03
7587	636636.2	4168648.9	Worker	Scenario 4	9.67E-03	3.07E-04	2.01E-03
7588	636736.2	4168648.9	Worker	Scenario 4	1.02E-02	3.22E-04	2.12E-03
7589	636836.2	4168648.9	Worker	Scenario 4	1.11E-02	3.44E-04	2.24E-03
7590	636936.2	4168648.9	Worker	Scenario 4	1.20E-02	3.68E-04	2.27E-03
7591	637036.2	4168648.9	Worker	Scenario 4	1.31E-02	3.96E-04	2.44E-03
7592	637136.2	4168648.9	Worker	Scenario 4	1.34E-02	4.08E-04	2.59E-03
7593	637236.2	4168648.9	Worker	Scenario 4	1.45E-02	4.37E-04	2.64E-03
7594	637336.2	4168648.9	Worker	Scenario 4	1.64E-02	4.89E-04	2.52E-03
7595	637436.2	4168648.9	Worker	Scenario 4	1.83E-02	5.39E-04	2.35E-03
7596	637536.2	4168648.9	Worker	Scenario 4	1.93E-02	5.71E-04	2.42E-03
7597	637636.2	4168648.9	Worker	Scenario 4	1.91E-02	5.75E-04	2.80E-03
7598	637736.2	4168648.9	Worker	Scenario 4	2.07E-02	6.25E-04	2.78E-03
7599	637836.2	4168648.9	Worker	Scenario 4	2.32E-02	6.99E-04	2.50E-03
7600	637936.2	4168648.9	Worker	Scenario 4	2.52E-02	7.62E-04	2.51E-03
7601	638036.2	4168648.9	Worker	Scenario 4	2.79E-02	8.45E-04	2.47E-03
7602	638136.2	4168648.9	Worker	Scenario 4	3.02E-02	9.21E-04	2.57E-03
7603	638236.2	4168648.9	Worker	Scenario 4	3.48E-02	1.06E-03	1.88E-03
7604	638336.2	4168648.9	Worker	Scenario 4	3.95E-02	1.21E-03	1.90E-03
7605	638436.2	4168648.9	Worker	Scenario 4	4.69E-02	1.45E-03	1.86E-03
7606	638536.2	4168648.9	Worker	Scenario 4	5.06E-02	1.62E-03	1.86E-03
7607	642136.2	4168648.9	Worker	Scenario 4	3.47E-01	6.04E-03	7.15E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7608	642236.2	4168648.9	Worker	Scenario 4	3.16E-01	5.49E-03	6.84E-03
7609	642336.2	4168648.9	Worker	Scenario 4	2.88E-01	5.01E-03	6.39E-03
7610	642436.2	4168648.9	Worker	Scenario 4	2.66E-01	4.62E-03	6.16E-03
7611	642536.2	4168648.9	Worker	Scenario 4	2.47E-01	4.26E-03	6.07E-03
7612	642636.2	4168648.9	Worker	Scenario 4	2.31E-01	3.96E-03	5.55E-03
7613	642736.2	4168648.9	Worker	Scenario 4	2.16E-01	3.70E-03	5.31E-03
7614	642836.2	4168648.9	Worker	Scenario 4	2.03E-01	3.46E-03	5.08E-03
7615	642936.2	4168648.9	Worker	Scenario 4	1.91E-01	3.25E-03	4.81E-03
7616	643036.2	4168648.9	Worker	Scenario 4	1.80E-01	3.05E-03	4.55E-03
7617	643136.2	4168648.9	Worker	Scenario 4	1.69E-01	2.87E-03	4.31E-03
7618	643236.2	4168648.9	Worker	Scenario 4	1.60E-01	2.70E-03	4.10E-03
7619	643336.2	4168648.9	Worker	Scenario 4	1.51E-01	2.55E-03	3.91E-03
7620	643436.2	4168648.9	Worker	Scenario 4	1.43E-01	2.41E-03	3.72E-03
7621	643536.2	4168648.9	Worker	Scenario 4	1.35E-01	2.28E-03	3.52E-03
7622	643636.2	4168648.9	Worker	Scenario 4	1.29E-01	2.17E-03	3.43E-03
7623	643736.2	4168648.9	Worker	Scenario 4	1.24E-01	2.08E-03	3.72E-03
7624	643836.2	4168648.9	Worker	Scenario 4	1.19E-01	1.99E-03	4.05E-03
7625	643936.2	4168648.9	Worker	Scenario 4	1.14E-01	1.90E-03	4.09E-03
7626	644036.2	4168648.9	Worker	Scenario 4	1.09E-01	1.82E-03	3.87E-03
7627	644136.2	4168648.9	Worker	Scenario 4	1.05E-01	1.75E-03	3.46E-03
7628	644236.2	4168648.9	Worker	Scenario 4	1.01E-01	1.68E-03	2.94E-03
7629	644336.2	4168648.9	Worker	Scenario 4	9.78E-02	1.62E-03	2.46E-03
7630	644436.2	4168648.9	Worker	Scenario 4	9.45E-02	1.56E-03	2.27E-03
7631	644536.2	4168648.9	Worker	Scenario 4	9.13E-02	1.50E-03	2.13E-03
7632	644636.2	4168648.9	Worker	Scenario 4	8.84E-02	1.45E-03	2.03E-03
7633	644736.2	4168648.9	Worker	Scenario 4	8.57E-02	1.40E-03	1.98E-03
7634	644836.2	4168648.9	Worker	Scenario 4	8.31E-02	1.35E-03	1.90E-03
7635	644936.2	4168648.9	Worker	Scenario 4	8.08E-02	1.31E-03	1.84E-03
7636	645036.2	4168648.9	Worker	Scenario 4	7.86E-02	1.27E-03	1.73E-03
7637	645136.2	4168648.9	Worker	Scenario 4	7.66E-02	1.23E-03	1.68E-03
7638	645236.2	4168648.9	Worker	Scenario 4	7.47E-02	1.20E-03	1.67E-03
7639	645336.2	4168648.9	Worker	Scenario 4	7.28E-02	1.16E-03	1.62E-03
7640	645436.2	4168648.9	Worker	Scenario 4	7.09E-02	1.13E-03	1.54E-03
7641	645536.2	4168648.9	Worker	Scenario 4	6.91E-02	1.10E-03	1.50E-03
7642	645636.2	4168648.9	Worker	Scenario 4	6.73E-02	1.07E-03	1.49E-03
7643	645736.2	4168648.9	Worker	Scenario 4	6.56E-02	1.04E-03	1.49E-03
7644	645836.2	4168648.9	Worker	Scenario 4	6.39E-02	1.01E-03	1.46E-03
7645	645936.2	4168648.9	Worker	Scenario 4	6.22E-02	9.80E-04	1.40E-03
7646	646036.2	4168648.9	Worker	Scenario 4	6.06E-02	9.52E-04	1.33E-03
7647	646236.2	4168648.9	Worker	Scenario 4	5.75E-02	9.01E-04	1.23E-03
7648	646336.2	4168648.9	Worker	Scenario 4	5.61E-02	8.78E-04	1.21E-03
7649	646436.2	4168648.9	Worker	Scenario 4	5.47E-02	8.55E-04	1.18E-03
7650	646536.2	4168648.9	Worker	Scenario 4	5.34E-02	8.33E-04	1.13E-03
7651	635736.2	4168748.9	Worker	Scenario 4	6.23E-03	2.13E-04	1.14E-03
7652	635836.2	4168748.9	Worker	Scenario 4	6.51E-03	2.21E-04	1.14E-03
7653	635936.2	4168748.9	Worker	Scenario 4	6.87E-03	2.31E-04	1.15E-03
7654	636036.2	4168748.9	Worker	Scenario 4	7.26E-03	2.40E-04	1.23E-03
7655	636136.2	4168748.9	Worker	Scenario 4	7.65E-03	2.51E-04	1.42E-03
7656	636236.2	4168748.9	Worker	Scenario 4	8.12E-03	2.63E-04	1.63E-03
7657	636336.2	4168748.9	Worker	Scenario 4	8.65E-03	2.76E-04	1.82E-03
7658	636436.2	4168748.9	Worker	Scenario 4	9.44E-03	2.96E-04	2.00E-03
7659	636536.2	4168748.9	Worker	Scenario 4	1.07E-02	3.26E-04	2.03E-03
7660	636636.2	4168748.9	Worker	Scenario 4	1.04E-02	3.21E-04	2.11E-03
7661	636736.2	4168748.9	Worker	Scenario 4	1.07E-02	3.31E-04	2.16E-03
7662	636836.2	4168748.9	Worker	Scenario 4	1.11E-02	3.45E-04	2.28E-03
7663	636936.2	4168748.9	Worker	Scenario 4	1.19E-02	3.66E-04	2.37E-03
7664	637036.2	4168748.9	Worker	Scenario 4	1.28E-02	3.89E-04	2.50E-03
7665	637136.2	4168748.9	Worker	Scenario 4	1.44E-02	4.30E-04	2.56E-03
7666	637236.2	4168748.9	Worker	Scenario 4	1.55E-02	4.61E-04	2.50E-03
7667	637336.2	4168748.9	Worker	Scenario 4	1.70E-02	5.03E-04	2.49E-03
7668	637436.2	4168748.9	Worker	Scenario 4	1.84E-02	5.42E-04	2.47E-03
7669	637536.2	4168748.9	Worker	Scenario 4	2.01E-02	5.92E-04	2.25E-03
7670	637636.2	4168748.9	Worker	Scenario 4	2.06E-02	6.13E-04	2.37E-03
7671	637736.2	4168748.9	Worker	Scenario 4	2.24E-02	6.69E-04	2.49E-03
7672	637836.2	4168748.9	Worker	Scenario 4	2.47E-02	7.40E-04	2.44E-03
7673	637936.2	4168748.9	Worker	Scenario 4	2.71E-02	8.16E-04	2.48E-03
7674	638036.2	4168748.9	Worker	Scenario 4	2.98E-02	9.01E-04	2.53E-03
7675	638136.2	4168748.9	Worker	Scenario 4	3.31E-02	1.01E-03	2.38E-03
7676	638236.2	4168748.9	Worker	Scenario 4	3.75E-02	1.15E-03	1.67E-03
7677	638336.2	4168748.9	Worker	Scenario 4	4.35E-02	1.35E-03	1.67E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7678	638436.2	4168748.9	Worker	Scenario 4	5.23E-02	1.65E-03	1.90E-03
7679	641936.2	4168748.9	Worker	Scenario 4	3.41E-01	6.30E-03	9.40E-03
7680	642036.2	4168748.9	Worker	Scenario 4	3.11E-01	5.70E-03	6.53E-03
7681	642136.2	4168748.9	Worker	Scenario 4	2.86E-01	5.20E-03	6.61E-03
7682	642236.2	4168748.9	Worker	Scenario 4	2.65E-01	4.78E-03	6.28E-03
7683	642336.2	4168748.9	Worker	Scenario 4	2.47E-01	4.43E-03	5.99E-03
7684	642436.2	4168748.9	Worker	Scenario 4	2.32E-01	4.12E-03	5.75E-03
7685	642536.2	4168748.9	Worker	Scenario 4	2.18E-01	3.84E-03	5.51E-03
7686	642636.2	4168748.9	Worker	Scenario 4	2.05E-01	3.59E-03	5.38E-03
7687	642736.2	4168748.9	Worker	Scenario 4	1.94E-01	3.37E-03	5.01E-03
7688	642836.2	4168748.9	Worker	Scenario 4	1.83E-01	3.17E-03	4.78E-03
7689	642936.2	4168748.9	Worker	Scenario 4	1.73E-01	2.99E-03	4.59E-03
7690	643036.2	4168748.9	Worker	Scenario 4	1.64E-01	2.82E-03	4.37E-03
7691	643136.2	4168748.9	Worker	Scenario 4	1.56E-01	2.66E-03	4.12E-03
7692	643236.2	4168748.9	Worker	Scenario 4	1.48E-01	2.52E-03	3.87E-03
7693	643336.2	4168748.9	Worker	Scenario 4	1.40E-01	2.38E-03	3.77E-03
7694	643436.2	4168748.9	Worker	Scenario 4	1.33E-01	2.26E-03	3.62E-03
7695	643536.2	4168748.9	Worker	Scenario 4	1.26E-01	2.15E-03	3.42E-03
7696	643636.2	4168748.9	Worker	Scenario 4	1.21E-01	2.05E-03	3.29E-03
7697	643736.2	4168748.9	Worker	Scenario 4	1.16E-01	1.96E-03	3.16E-03
7698	643836.2	4168748.9	Worker	Scenario 4	1.12E-01	1.88E-03	3.16E-03
7699	643936.2	4168748.9	Worker	Scenario 4	1.07E-01	1.80E-03	3.58E-03
7700	644036.2	4168748.9	Worker	Scenario 4	1.03E-01	1.73E-03	3.82E-03
7701	644136.2	4168748.9	Worker	Scenario 4	9.94E-02	1.66E-03	3.83E-03
7702	644236.2	4168748.9	Worker	Scenario 4	9.58E-02	1.59E-03	3.61E-03
7703	644336.2	4168748.9	Worker	Scenario 4	9.25E-02	1.54E-03	3.24E-03
7704	644436.2	4168748.9	Worker	Scenario 4	8.95E-02	1.48E-03	2.78E-03
7705	644536.2	4168748.9	Worker	Scenario 4	8.65E-02	1.43E-03	2.31E-03
7706	644636.2	4168748.9	Worker	Scenario 4	8.37E-02	1.38E-03	2.10E-03
7707	644736.2	4168748.9	Worker	Scenario 4	8.11E-02	1.33E-03	1.95E-03
7708	644836.2	4168748.9	Worker	Scenario 4	7.87E-02	1.29E-03	1.88E-03
7709	644936.2	4168748.9	Worker	Scenario 4	7.65E-02	1.25E-03	1.82E-03
7710	645036.2	4168748.9	Worker	Scenario 4	7.44E-02	1.21E-03	1.75E-03
7711	645136.2	4168748.9	Worker	Scenario 4	7.25E-02	1.18E-03	1.71E-03
7712	645236.2	4168748.9	Worker	Scenario 4	7.07E-02	1.14E-03	1.64E-03
7713	645336.2	4168748.9	Worker	Scenario 4	6.90E-02	1.11E-03	1.53E-03
7714	645436.2	4168748.9	Worker	Scenario 4	6.73E-02	1.08E-03	1.52E-03
7715	645536.2	4168748.9	Worker	Scenario 4	6.57E-02	1.05E-03	1.51E-03
7716	645636.2	4168748.9	Worker	Scenario 4	6.41E-02	1.02E-03	1.46E-03
7717	645736.2	4168748.9	Worker	Scenario 4	6.25E-02	9.97E-04	1.39E-03
7718	645836.2	4168748.9	Worker	Scenario 4	6.10E-02	9.70E-04	1.37E-03
7719	645936.2	4168748.9	Worker	Scenario 4	5.95E-02	9.44E-04	1.40E-03
7720	646036.2	4168748.9	Worker	Scenario 4	5.80E-02	9.18E-04	1.40E-03
7721	646236.2	4168748.9	Worker	Scenario 4	5.51E-02	8.70E-04	1.34E-03
7722	646336.2	4168748.9	Worker	Scenario 4	5.38E-02	8.48E-04	1.27E-03
7723	646436.2	4168748.9	Worker	Scenario 4	5.25E-02	8.27E-04	1.20E-03
7724	646536.2	4168748.9	Worker	Scenario 4	5.13E-02	8.06E-04	1.13E-03
7725	635736.2	4168848.9	Worker	Scenario 4	6.39E-03	2.16E-04	1.09E-03
7726	635836.2	4168848.9	Worker	Scenario 4	6.68E-03	2.24E-04	1.25E-03
7727	635936.2	4168848.9	Worker	Scenario 4	7.01E-03	2.34E-04	1.41E-03
7728	636036.2	4168848.9	Worker	Scenario 4	7.68E-03	2.49E-04	1.64E-03
7729	636136.2	4168848.9	Worker	Scenario 4	7.91E-03	2.56E-04	1.71E-03
7730	636236.2	4168848.9	Worker	Scenario 4	8.27E-03	2.66E-04	1.79E-03
7731	636336.2	4168848.9	Worker	Scenario 4	8.69E-03	2.78E-04	1.84E-03
7732	636436.2	4168848.9	Worker	Scenario 4	9.20E-03	2.91E-04	1.87E-03
7733	636536.2	4168848.9	Worker	Scenario 4	9.76E-03	3.06E-04	2.01E-03
7734	636636.2	4168848.9	Worker	Scenario 4	1.08E-02	3.30E-04	2.16E-03
7735	636736.2	4168848.9	Worker	Scenario 4	1.24E-02	3.69E-04	2.29E-03
7736	636836.2	4168848.9	Worker	Scenario 4	1.20E-02	3.64E-04	2.39E-03
7737	636936.2	4168848.9	Worker	Scenario 4	1.25E-02	3.77E-04	2.38E-03
7738	637036.2	4168848.9	Worker	Scenario 4	1.33E-02	4.00E-04	2.37E-03
7739	637136.2	4168848.9	Worker	Scenario 4	1.42E-02	4.25E-04	2.43E-03
7740	637236.2	4168848.9	Worker	Scenario 4	1.54E-02	4.57E-04	2.34E-03
7741	637336.2	4168848.9	Worker	Scenario 4	1.67E-02	4.93E-04	2.20E-03
7742	637436.2	4168848.9	Worker	Scenario 4	1.85E-02	5.45E-04	2.37E-03
7743	637536.2	4168848.9	Worker	Scenario 4	2.10E-02	6.13E-04	2.20E-03
7744	637636.2	4168848.9	Worker	Scenario 4	2.21E-02	6.51E-04	2.37E-03
7745	637736.2	4168848.9	Worker	Scenario 4	2.39E-02	7.06E-04	2.53E-03
7746	637836.2	4168848.9	Worker	Scenario 4	2.68E-02	7.93E-04	2.34E-03
7747	637936.2	4168848.9	Worker	Scenario 4	2.97E-02	8.87E-04	2.08E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7748	638036.2	4168848.9	Worker	Scenario 4	3.23E-02	9.76E-04	2.12E-03
7749	638136.2	4168848.9	Worker	Scenario 4	3.61E-02	1.10E-03	1.84E-03
7750	638236.2	4168848.9	Worker	Scenario 4	4.12E-02	1.28E-03	1.74E-03
7751	641636.2	4168848.9	Worker	Scenario 4	3.72E-01	8.13E-03	6.90E-03
7752	641736.2	4168848.9	Worker	Scenario 4	3.38E-01	7.00E-03	6.82E-03
7753	641836.2	4168848.9	Worker	Scenario 4	3.08E-01	6.18E-03	8.82E-03
7754	641936.2	4168848.9	Worker	Scenario 4	2.84E-01	5.55E-03	9.87E-03
7755	642036.2	4168848.9	Worker	Scenario 4	2.62E-01	5.02E-03	6.05E-03
7756	642136.2	4168848.9	Worker	Scenario 4	2.44E-01	4.61E-03	5.97E-03
7757	642236.2	4168848.9	Worker	Scenario 4	2.28E-01	4.26E-03	5.82E-03
7758	642336.2	4168848.9	Worker	Scenario 4	2.15E-01	3.96E-03	5.62E-03
7759	642436.2	4168848.9	Worker	Scenario 4	2.03E-01	3.70E-03	5.33E-03
7760	642536.2	4168848.9	Worker	Scenario 4	1.93E-01	3.47E-03	5.17E-03
7761	642636.2	4168848.9	Worker	Scenario 4	1.83E-01	3.27E-03	4.93E-03
7762	642736.2	4168848.9	Worker	Scenario 4	1.74E-01	3.08E-03	4.75E-03
7763	642836.2	4168848.9	Worker	Scenario 4	1.65E-01	2.91E-03	4.53E-03
7764	642936.2	4168848.9	Worker	Scenario 4	1.57E-01	2.75E-03	4.33E-03
7765	643036.2	4168848.9	Worker	Scenario 4	1.50E-01	2.61E-03	4.16E-03
7766	643136.2	4168848.9	Worker	Scenario 4	1.43E-01	2.47E-03	3.99E-03
7767	643236.2	4168848.9	Worker	Scenario 4	1.36E-01	2.35E-03	3.73E-03
7768	643336.2	4168848.9	Worker	Scenario 4	1.30E-01	2.23E-03	3.47E-03
7769	643436.2	4168848.9	Worker	Scenario 4	1.24E-01	2.12E-03	3.44E-03
7770	643536.2	4168848.9	Worker	Scenario 4	1.18E-01	2.02E-03	3.35E-03
7771	643636.2	4168848.9	Worker	Scenario 4	1.13E-01	1.93E-03	3.19E-03
7772	643736.2	4168848.9	Worker	Scenario 4	1.09E-01	1.85E-03	3.06E-03
7773	643836.2	4168848.9	Worker	Scenario 4	1.05E-01	1.77E-03	2.91E-03
7774	643936.2	4168848.9	Worker	Scenario 4	1.01E-01	1.70E-03	2.84E-03
7775	644036.2	4168848.9	Worker	Scenario 4	9.73E-02	1.64E-03	3.05E-03
7776	644136.2	4168848.9	Worker	Scenario 4	9.38E-02	1.57E-03	3.43E-03
7777	644236.2	4168848.9	Worker	Scenario 4	9.05E-02	1.51E-03	3.62E-03
7778	644336.2	4168848.9	Worker	Scenario 4	8.74E-02	1.46E-03	3.60E-03
7779	644436.2	4168848.9	Worker	Scenario 4	8.46E-02	1.41E-03	3.39E-03
7780	644536.2	4168848.9	Worker	Scenario 4	8.19E-02	1.36E-03	3.05E-03
7781	644836.2	4168848.9	Worker	Scenario 4	7.47E-02	1.23E-03	1.94E-03
7782	644936.2	4168848.9	Worker	Scenario 4	7.25E-02	1.19E-03	1.81E-03
7783	645036.2	4168848.9	Worker	Scenario 4	7.06E-02	1.16E-03	1.74E-03
7784	645136.2	4168848.9	Worker	Scenario 4	6.88E-02	1.13E-03	1.66E-03
7785	645236.2	4168848.9	Worker	Scenario 4	6.70E-02	1.09E-03	1.63E-03
7786	645336.2	4168848.9	Worker	Scenario 4	6.54E-02	1.07E-03	1.57E-03
7787	645436.2	4168848.9	Worker	Scenario 4	6.39E-02	1.04E-03	1.53E-03
7788	645536.2	4168848.9	Worker	Scenario 4	6.24E-02	1.01E-03	1.46E-03
7789	645636.2	4168848.9	Worker	Scenario 4	6.09E-02	9.84E-04	1.37E-03
7790	645736.2	4168848.9	Worker	Scenario 4	5.95E-02	9.58E-04	1.38E-03
7791	645836.2	4168848.9	Worker	Scenario 4	5.81E-02	9.33E-04	1.39E-03
7792	645936.2	4168848.9	Worker	Scenario 4	5.68E-02	9.09E-04	1.35E-03
7793	646036.2	4168848.9	Worker	Scenario 4	5.55E-02	8.86E-04	1.29E-03
7794	646236.2	4168848.9	Worker	Scenario 4	5.28E-02	8.40E-04	1.31E-03
7795	646336.2	4168848.9	Worker	Scenario 4	5.16E-02	8.19E-04	1.32E-03
7796	646436.2	4168848.9	Worker	Scenario 4	5.04E-02	7.99E-04	1.31E-03
7797	635736.2	4168948.9	Worker	Scenario 4	6.56E-03	2.20E-04	1.36E-03
7798	635836.2	4168948.9	Worker	Scenario 4	6.88E-03	2.28E-04	1.47E-03
7799	635936.2	4168948.9	Worker	Scenario 4	7.32E-03	2.40E-04	1.58E-03
7800	636036.2	4168948.9	Worker	Scenario 4	7.87E-03	2.53E-04	1.66E-03
7801	636136.2	4168948.9	Worker	Scenario 4	8.17E-03	2.62E-04	1.64E-03
7802	636236.2	4168948.9	Worker	Scenario 4	8.89E-03	2.80E-04	1.84E-03
7803	636336.2	4168948.9	Worker	Scenario 4	9.61E-03	2.97E-04	1.94E-03
7804	636436.2	4168948.9	Worker	Scenario 4	9.97E-03	3.08E-04	2.08E-03
7805	636536.2	4168948.9	Worker	Scenario 4	1.05E-02	3.22E-04	2.18E-03
7806	636636.2	4168948.9	Worker	Scenario 4	1.11E-02	3.38E-04	2.18E-03
7807	636736.2	4168948.9	Worker	Scenario 4	1.16E-02	3.52E-04	2.13E-03
7808	636836.2	4168948.9	Worker	Scenario 4	1.29E-02	3.84E-04	2.25E-03
7809	636936.2	4168948.9	Worker	Scenario 4	1.41E-02	4.15E-04	2.16E-03
7810	637036.2	4168948.9	Worker	Scenario 4	1.44E-02	4.23E-04	2.00E-03
7811	637136.2	4168948.9	Worker	Scenario 4	1.50E-02	4.43E-04	2.23E-03
7812	637236.2	4168948.9	Worker	Scenario 4	1.61E-02	4.73E-04	2.39E-03
7813	637336.2	4168948.9	Worker	Scenario 4	1.75E-02	5.12E-04	2.39E-03
7814	637436.2	4168948.9	Worker	Scenario 4	1.90E-02	5.55E-04	2.53E-03
7815	637536.2	4168948.9	Worker	Scenario 4	2.11E-02	6.15E-04	2.59E-03
7816	637636.2	4168948.9	Worker	Scenario 4	2.35E-02	6.84E-04	2.41E-03
7817	637736.2	4168948.9	Worker	Scenario 4	2.53E-02	7.43E-04	2.42E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7818	637836.2	4168948.9	Worker	Scenario 4	2.75E-02	8.15E-04	2.33E-03
7819	637936.2	4168948.9	Worker	Scenario 4	3.19E-02	9.50E-04	1.44E-03
7820	638036.2	4168948.9	Worker	Scenario 4	3.56E-02	1.07E-03	1.61E-03
7821	638136.2	4168948.9	Worker	Scenario 4	4.03E-02	1.23E-03	1.72E-03
7822	641636.2	4168948.9	Worker	Scenario 4	3.15E-01	7.37E-03	6.32E-03
7823	641736.2	4168948.9	Worker	Scenario 4	2.87E-01	6.30E-03	6.15E-03
7824	641836.2	4168948.9	Worker	Scenario 4	2.64E-01	5.53E-03	7.25E-03
7825	641936.2	4168948.9	Worker	Scenario 4	2.45E-01	4.97E-03	9.69E-03
7826	642036.2	4168948.9	Worker	Scenario 4	2.28E-01	4.53E-03	6.87E-03
7827	642136.2	4168948.9	Worker	Scenario 4	2.14E-01	4.15E-03	5.58E-03
7828	642236.2	4168948.9	Worker	Scenario 4	2.01E-01	3.84E-03	5.43E-03
7829	642336.2	4168948.9	Worker	Scenario 4	1.90E-01	3.58E-03	5.26E-03
7830	642436.2	4168948.9	Worker	Scenario 4	1.80E-01	3.36E-03	5.05E-03
7831	642536.2	4168948.9	Worker	Scenario 4	1.72E-01	3.16E-03	4.79E-03
7832	642636.2	4168948.9	Worker	Scenario 4	1.64E-01	2.98E-03	4.66E-03
7833	642736.2	4168948.9	Worker	Scenario 4	1.57E-01	2.82E-03	4.51E-03
7834	642836.2	4168948.9	Worker	Scenario 4	1.50E-01	2.67E-03	4.19E-03
7835	642936.2	4168948.9	Worker	Scenario 4	1.43E-01	2.54E-03	4.11E-03
7836	643036.2	4168948.9	Worker	Scenario 4	1.37E-01	2.42E-03	3.95E-03
7837	643136.2	4168948.9	Worker	Scenario 4	1.31E-01	2.30E-03	3.80E-03
7838	643236.2	4168948.9	Worker	Scenario 4	1.25E-01	2.19E-03	3.69E-03
7839	643336.2	4168948.9	Worker	Scenario 4	1.20E-01	2.09E-03	3.37E-03
7840	643436.2	4168948.9	Worker	Scenario 4	1.15E-01	2.00E-03	3.29E-03
7841	643536.2	4168948.9	Worker	Scenario 4	1.10E-01	1.90E-03	3.22E-03
7842	643636.2	4168948.9	Worker	Scenario 4	1.06E-01	1.82E-03	3.09E-03
7843	643736.2	4168948.9	Worker	Scenario 4	1.02E-01	1.74E-03	2.95E-03
7844	643836.2	4168948.9	Worker	Scenario 4	9.79E-02	1.68E-03	2.84E-03
7845	643936.2	4168948.9	Worker	Scenario 4	9.48E-02	1.61E-03	2.74E-03
7846	644036.2	4168948.9	Worker	Scenario 4	9.16E-02	1.55E-03	2.64E-03
7847	644136.2	4168948.9	Worker	Scenario 4	8.85E-02	1.50E-03	2.63E-03
7848	644236.2	4168948.9	Worker	Scenario 4	8.55E-02	1.44E-03	2.98E-03
7849	644336.2	4168948.9	Worker	Scenario 4	8.27E-02	1.39E-03	3.29E-03
7850	644436.2	4168948.9	Worker	Scenario 4	8.00E-02	1.34E-03	3.43E-03
7851	644536.2	4168948.9	Worker	Scenario 4	7.76E-02	1.30E-03	3.39E-03
7852	644836.2	4168948.9	Worker	Scenario 4	7.08E-02	1.18E-03	2.51E-03
7853	644936.2	4168948.9	Worker	Scenario 4	6.89E-02	1.14E-03	2.11E-03
7854	645036.2	4168948.9	Worker	Scenario 4	6.71E-02	1.11E-03	1.82E-03
7855	645136.2	4168948.9	Worker	Scenario 4	6.52E-02	1.08E-03	1.70E-03
7856	645236.2	4168948.9	Worker	Scenario 4	6.36E-02	1.05E-03	1.60E-03
7857	645336.2	4168948.9	Worker	Scenario 4	6.20E-02	1.02E-03	1.54E-03
7858	645436.2	4168948.9	Worker	Scenario 4	6.06E-02	9.93E-04	1.51E-03
7859	645536.2	4168948.9	Worker	Scenario 4	5.92E-02	9.68E-04	1.45E-03
7860	645636.2	4168948.9	Worker	Scenario 4	5.79E-02	9.44E-04	1.42E-03
7861	645736.2	4168948.9	Worker	Scenario 4	5.66E-02	9.20E-04	1.38E-03
7862	645836.2	4168948.9	Worker	Scenario 4	5.54E-02	8.97E-04	1.30E-03
7863	646036.2	4168948.9	Worker	Scenario 4	5.29E-02	8.53E-04	1.31E-03
7864	646236.2	4168948.9	Worker	Scenario 4	5.06E-02	8.11E-04	1.28E-03
7865	646336.2	4168948.9	Worker	Scenario 4	4.95E-02	7.92E-04	1.22E-03
7866	635636.2	4169048.9	Worker	Scenario 4	6.38E-03	2.13E-04	1.30E-03
7867	635736.2	4169048.9	Worker	Scenario 4	6.64E-03	2.21E-04	1.33E-03
7868	635836.2	4169048.9	Worker	Scenario 4	7.02E-03	2.31E-04	1.36E-03
7869	635936.2	4169048.9	Worker	Scenario 4	7.60E-03	2.46E-04	1.47E-03
7870	636036.2	4169048.9	Worker	Scenario 4	8.03E-03	2.56E-04	1.50E-03
7871	636136.2	4169048.9	Worker	Scenario 4	8.37E-03	2.66E-04	1.65E-03
7872	636236.2	4169048.9	Worker	Scenario 4	8.78E-03	2.77E-04	1.76E-03
7873	636336.2	4169048.9	Worker	Scenario 4	9.30E-03	2.90E-04	1.82E-03
7874	636436.2	4169048.9	Worker	Scenario 4	9.90E-03	3.06E-04	1.81E-03
7875	636536.2	4169048.9	Worker	Scenario 4	1.06E-02	3.22E-04	1.93E-03
7876	636636.2	4169048.9	Worker	Scenario 4	1.13E-02	3.40E-04	1.93E-03
7877	636736.2	4169048.9	Worker	Scenario 4	1.23E-02	3.66E-04	1.85E-03
7878	636836.2	4169048.9	Worker	Scenario 4	1.32E-02	3.90E-04	1.98E-03
7879	636936.2	4169048.9	Worker	Scenario 4	1.39E-02	4.08E-04	2.19E-03
7880	637036.2	4169048.9	Worker	Scenario 4	1.54E-02	4.47E-04	2.20E-03
7881	637136.2	4169048.9	Worker	Scenario 4	1.72E-02	4.93E-04	2.10E-03
7882	637236.2	4169048.9	Worker	Scenario 4	1.74E-02	5.02E-04	2.47E-03
7883	637336.2	4169048.9	Worker	Scenario 4	1.84E-02	5.33E-04	2.73E-03
7884	637436.2	4169048.9	Worker	Scenario 4	2.01E-02	5.79E-04	2.71E-03
7885	637536.2	4169048.9	Worker	Scenario 4	2.18E-02	6.32E-04	2.57E-03
7886	637636.2	4169048.9	Worker	Scenario 4	2.46E-02	7.11E-04	2.06E-03
7887	637736.2	4169048.9	Worker	Scenario 4	2.69E-02	7.83E-04	1.82E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million) Receptor Risk	Chronic Hazard Index Receptor Risk	Acute Hazard Index Receptor Risk
7888	637836.2	4169048.9	Worker	Scenario 4	2.98E-02	8.74E-04	1.86E-03
7889	637936.2	4169048.9	Worker	Scenario 4	3.39E-02	1.01E-03	1.58E-03
7890	638036.2	4169048.9	Worker	Scenario 4	3.95E-02	1.19E-03	1.62E-03
7891	640236.2	4169048.9	Worker	Scenario 4	2.16E-01	6.52E-03	3.85E-03
7892	641636.2	4169048.9	Worker	Scenario 4	2.75E-01	6.72E-03	5.74E-03
7893	641736.2	4169048.9	Worker	Scenario 4	2.50E-01	5.70E-03	5.43E-03
7894	641836.2	4169048.9	Worker	Scenario 4	2.32E-01	5.01E-03	6.07E-03
7895	641936.2	4169048.9	Worker	Scenario 4	2.16E-01	4.51E-03	9.07E-03
7896	642036.2	4169048.9	Worker	Scenario 4	2.03E-01	4.11E-03	7.77E-03
7897	642136.2	4169048.9	Worker	Scenario 4	1.91E-01	3.78E-03	4.77E-03
7898	642236.2	4169048.9	Worker	Scenario 4	1.80E-01	3.50E-03	4.92E-03
7899	642336.2	4169048.9	Worker	Scenario 4	1.70E-01	3.27E-03	4.88E-03
7900	642436.2	4169048.9	Worker	Scenario 4	1.62E-01	3.06E-03	4.67E-03
7901	642536.2	4169048.9	Worker	Scenario 4	1.55E-01	2.89E-03	4.56E-03
7902	642636.2	4169048.9	Worker	Scenario 4	1.48E-01	2.74E-03	4.39E-03
7903	642736.2	4169048.9	Worker	Scenario 4	1.42E-01	2.60E-03	4.20E-03
7904	642836.2	4169048.9	Worker	Scenario 4	1.36E-01	2.47E-03	4.17E-03
7905	642936.2	4169048.9	Worker	Scenario 4	1.31E-01	2.35E-03	3.70E-03
7906	643036.2	4169048.9	Worker	Scenario 4	1.25E-01	2.24E-03	3.74E-03
7907	643136.2	4169048.9	Worker	Scenario 4	1.21E-01	2.14E-03	3.62E-03
7908	643236.2	4169048.9	Worker	Scenario 4	1.16E-01	2.05E-03	3.49E-03
7909	643336.2	4169048.9	Worker	Scenario 4	1.11E-01	1.96E-03	3.41E-03
7910	643436.2	4169048.9	Worker	Scenario 4	1.07E-01	1.88E-03	3.09E-03
7911	643536.2	4169048.9	Worker	Scenario 4	1.03E-01	1.80E-03	3.09E-03
7912	643636.2	4169048.9	Worker	Scenario 4	9.87E-02	1.72E-03	2.97E-03
7913	643736.2	4169048.9	Worker	Scenario 4	9.50E-02	1.65E-03	2.88E-03
7914	643836.2	4169048.9	Worker	Scenario 4	9.18E-02	1.59E-03	2.78E-03
7915	643936.2	4169048.9	Worker	Scenario 4	8.89E-02	1.53E-03	2.66E-03
7916	644036.2	4169048.9	Worker	Scenario 4	8.62E-02	1.47E-03	2.56E-03
7917	644236.2	4169048.9	Worker	Scenario 4	8.08E-02	1.37E-03	2.42E-03
7918	644336.2	4169048.9	Worker	Scenario 4	7.82E-02	1.32E-03	2.53E-03
7919	644436.2	4169048.9	Worker	Scenario 4	7.59E-02	1.28E-03	2.91E-03
7920	644836.2	4169048.9	Worker	Scenario 4	6.74E-02	1.13E-03	3.01E-03
7921	644936.2	4169048.9	Worker	Scenario 4	6.55E-02	1.09E-03	2.73E-03
7922	645036.2	4169048.9	Worker	Scenario 4	6.38E-02	1.06E-03	2.39E-03
7923	645136.2	4169048.9	Worker	Scenario 4	6.21E-02	1.03E-03	2.03E-03
7924	645236.2	4169048.9	Worker	Scenario 4	6.05E-02	1.00E-03	1.73E-03
7925	645336.2	4169048.9	Worker	Scenario 4	5.90E-02	9.77E-04	1.60E-03
7926	645436.2	4169048.9	Worker	Scenario 4	5.76E-02	9.52E-04	1.50E-03
7927	645536.2	4169048.9	Worker	Scenario 4	5.63E-02	9.29E-04	1.44E-03
7928	645636.2	4169048.9	Worker	Scenario 4	5.51E-02	9.07E-04	1.39E-03
7929	645736.2	4169048.9	Worker	Scenario 4	5.39E-02	8.85E-04	1.37E-03
7930	645836.2	4169048.9	Worker	Scenario 4	5.28E-02	8.64E-04	1.32E-03
7931	645936.2	4169048.9	Worker	Scenario 4	5.17E-02	8.43E-04	1.30E-03
7932	646036.2	4169048.9	Worker	Scenario 4	5.06E-02	8.23E-04	1.25E-03
7933	646236.2	4169048.9	Worker	Scenario 4	4.84E-02	7.84E-04	1.22E-03
7934	635636.2	4169148.9	Worker	Scenario 4	7.43E-03	2.34E-04	1.53E-03
7935	635736.2	4169148.9	Worker	Scenario 4	7.12E-03	2.30E-04	1.33E-03
7936	635836.2	4169148.9	Worker	Scenario 4	7.24E-03	2.35E-04	1.37E-03
7937	635936.2	4169148.9	Worker	Scenario 4	7.70E-03	2.46E-04	1.46E-03
7938	636036.2	4169148.9	Worker	Scenario 4	8.16E-03	2.58E-04	1.53E-03
7939	636136.2	4169148.9	Worker	Scenario 4	8.82E-03	2.74E-04	1.60E-03
7940	636236.2	4169148.9	Worker	Scenario 4	9.44E-03	2.90E-04	1.74E-03
7941	636336.2	4169148.9	Worker	Scenario 4	9.91E-03	3.02E-04	1.73E-03
7942	636436.2	4169148.9	Worker	Scenario 4	1.04E-02	3.15E-04	1.62E-03
7943	636536.2	4169148.9	Worker	Scenario 4	1.10E-02	3.31E-04	1.67E-03
7944	636636.2	4169148.9	Worker	Scenario 4	1.16E-02	3.46E-04	1.93E-03
7945	636736.2	4169148.9	Worker	Scenario 4	1.24E-02	3.67E-04	2.09E-03
7946	636836.2	4169148.9	Worker	Scenario 4	1.33E-02	3.89E-04	2.20E-03
7947	636936.2	4169148.9	Worker	Scenario 4	1.42E-02	4.13E-04	2.35E-03
7948	637036.2	4169148.9	Worker	Scenario 4	1.53E-02	4.43E-04	2.55E-03
7949	637136.2	4169148.9	Worker	Scenario 4	1.66E-02	4.78E-04	2.69E-03
7950	637236.2	4169148.9	Worker	Scenario 4	1.85E-02	5.27E-04	2.48E-03
7951	637336.2	4169148.9	Worker	Scenario 4	2.01E-02	5.72E-04	2.24E-03
7952	637436.2	4169148.9	Worker	Scenario 4	2.12E-02	6.06E-04	2.19E-03
7953	637536.2	4169148.9	Worker	Scenario 4	2.34E-02	6.68E-04	1.81E-03
7954	637636.2	4169148.9	Worker	Scenario 4	2.57E-02	7.39E-04	1.85E-03
7955	637736.2	4169148.9	Worker	Scenario 4	2.83E-02	8.20E-04	1.85E-03
7956	637836.2	4169148.9	Worker	Scenario 4	3.17E-02	9.28E-04	1.72E-03
7957	640136.2	4169148.9	Worker	Scenario 4	2.18E-01	7.55E-03	3.50E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
7958	640236.2	4169148.9	Worker	Scenario 4	2.16E-01	7.42E-03	3.56E-03
7959	641636.2	4169148.9	Worker	Scenario 4	2.45E-01	6.09E-03	5.36E-03
7960	641736.2	4169148.9	Worker	Scenario 4	2.22E-01	5.16E-03	4.95E-03
7961	641836.2	4169148.9	Worker	Scenario 4	2.07E-01	4.55E-03	5.36E-03
7962	641936.2	4169148.9	Worker	Scenario 4	1.94E-01	4.10E-03	8.15E-03
7963	642036.2	4169148.9	Worker	Scenario 4	1.82E-01	3.74E-03	8.24E-03
7964	642136.2	4169148.9	Worker	Scenario 4	1.72E-01	3.45E-03	5.09E-03
7965	642236.2	4169148.9	Worker	Scenario 4	1.63E-01	3.20E-03	4.76E-03
7966	642336.2	4169148.9	Worker	Scenario 4	1.55E-01	2.99E-03	4.58E-03
7967	642436.2	4169148.9	Worker	Scenario 4	1.47E-01	2.81E-03	4.47E-03
7968	642536.2	4169148.9	Worker	Scenario 4	1.41E-01	2.66E-03	4.27E-03
7969	642636.2	4169148.9	Worker	Scenario 4	1.35E-01	2.53E-03	4.06E-03
7970	642736.2	4169148.9	Worker	Scenario 4	1.30E-01	2.40E-03	4.01E-03
7971	642836.2	4169148.9	Worker	Scenario 4	1.25E-01	2.29E-03	3.87E-03
7972	642936.2	4169148.9	Worker	Scenario 4	1.20E-01	2.18E-03	3.84E-03
7973	643036.2	4169148.9	Worker	Scenario 4	1.16E-01	2.09E-03	3.37E-03
7974	643136.2	4169148.9	Worker	Scenario 4	1.11E-01	2.00E-03	3.44E-03
7975	643236.2	4169148.9	Worker	Scenario 4	1.07E-01	1.92E-03	3.33E-03
7976	643336.2	4169148.9	Worker	Scenario 4	1.03E-01	1.84E-03	3.22E-03
7977	643436.2	4169148.9	Worker	Scenario 4	9.97E-02	1.77E-03	3.18E-03
7978	643536.2	4169148.9	Worker	Scenario 4	9.60E-02	1.69E-03	2.92E-03
7979	643636.2	4169148.9	Worker	Scenario 4	9.24E-02	1.63E-03	2.89E-03
7980	643736.2	4169148.9	Worker	Scenario 4	8.91E-02	1.56E-03	2.72E-03
7981	643836.2	4169148.9	Worker	Scenario 4	8.62E-02	1.50E-03	2.66E-03
7982	643936.2	4169148.9	Worker	Scenario 4	8.35E-02	1.45E-03	2.59E-03
7983	644036.2	4169148.9	Worker	Scenario 4	8.12E-02	1.40E-03	2.50E-03
7984	644136.2	4169148.9	Worker	Scenario 4	7.88E-02	1.35E-03	2.41E-03
7985	644636.2	4169148.9	Worker	Scenario 4	6.77E-02	1.14E-03	2.83E-03
7986	644736.2	4169148.9	Worker	Scenario 4	6.58E-02	1.11E-03	3.03E-03
7987	644836.2	4169148.9	Worker	Scenario 4	6.41E-02	1.08E-03	3.10E-03
7988	644936.2	4169148.9	Worker	Scenario 4	6.24E-02	1.05E-03	3.04E-03
7989	645036.2	4169148.9	Worker	Scenario 4	6.08E-02	1.02E-03	2.86E-03
7990	645136.2	4169148.9	Worker	Scenario 4	5.92E-02	9.90E-04	2.60E-03
7991	645236.2	4169148.9	Worker	Scenario 4	5.77E-02	9.63E-04	2.29E-03
7992	645336.2	4169148.9	Worker	Scenario 4	5.63E-02	9.38E-04	1.96E-03
7993	645436.2	4169148.9	Worker	Scenario 4	5.49E-02	9.14E-04	1.65E-03
7994	645536.2	4169148.9	Worker	Scenario 4	5.37E-02	8.92E-04	1.51E-03
7995	645636.2	4169148.9	Worker	Scenario 4	5.25E-02	8.72E-04	1.41E-03
7996	645736.2	4169148.9	Worker	Scenario 4	5.14E-02	8.51E-04	1.35E-03
7997	645836.2	4169148.9	Worker	Scenario 4	5.04E-02	8.32E-04	1.30E-03
7998	645936.2	4169148.9	Worker	Scenario 4	4.93E-02	8.12E-04	1.28E-03
7999	646036.2	4169148.9	Worker	Scenario 4	4.83E-02	7.93E-04	1.24E-03
8000	635636.2	4169248.9	Worker	Scenario 4	7.81E-03	2.41E-04	1.68E-03
8001	635736.2	4169248.9	Worker	Scenario 4	8.33E-03	2.53E-04	1.72E-03
8002	635836.2	4169248.9	Worker	Scenario 4	8.07E-03	2.51E-04	1.50E-03
8003	635936.2	4169248.9	Worker	Scenario 4	8.00E-03	2.51E-04	1.40E-03
8004	636036.2	4169248.9	Worker	Scenario 4	8.51E-03	2.63E-04	1.43E-03
8005	636136.2	4169248.9	Worker	Scenario 4	9.04E-03	2.77E-04	1.41E-03
8006	636236.2	4169248.9	Worker	Scenario 4	9.54E-03	2.90E-04	1.37E-03
8007	636336.2	4169248.9	Worker	Scenario 4	1.02E-02	3.07E-04	1.69E-03
8008	636436.2	4169248.9	Worker	Scenario 4	1.11E-02	3.28E-04	1.92E-03
8009	636536.2	4169248.9	Worker	Scenario 4	1.20E-02	3.52E-04	2.00E-03
8010	636636.2	4169248.9	Worker	Scenario 4	1.22E-02	3.59E-04	2.16E-03
8011	636736.2	4169248.9	Worker	Scenario 4	1.29E-02	3.77E-04	2.28E-03
8012	636836.2	4169248.9	Worker	Scenario 4	1.40E-02	4.05E-04	2.52E-03
8013	636936.2	4169248.9	Worker	Scenario 4	1.49E-02	4.29E-04	2.65E-03
8014	637036.2	4169248.9	Worker	Scenario 4	1.61E-02	4.60E-04	2.59E-03
8015	637136.2	4169248.9	Worker	Scenario 4	1.72E-02	4.91E-04	2.42E-03
8016	637236.2	4169248.9	Worker	Scenario 4	1.87E-02	5.32E-04	2.11E-03
8017	637336.2	4169248.9	Worker	Scenario 4	2.10E-02	5.93E-04	1.70E-03
8018	637436.2	4169248.9	Worker	Scenario 4	2.25E-02	6.37E-04	1.86E-03
8019	637536.2	4169248.9	Worker	Scenario 4	2.49E-02	7.06E-04	1.73E-03
8020	637636.2	4169248.9	Worker	Scenario 4	2.73E-02	7.79E-04	1.64E-03
8021	637736.2	4169248.9	Worker	Scenario 4	3.03E-02	8.74E-04	1.44E-03
8022	637936.2	4169248.9	Worker	Scenario 4	3.90E-02	1.16E-03	1.38E-03
8023	640036.2	4169248.9	Worker	Scenario 4	3.16E-01	1.61E-02	3.23E-03
8024	640136.2	4169248.9	Worker	Scenario 4	3.03E-01	1.52E-02	3.33E-03
8025	640236.2	4169248.9	Worker	Scenario 4	2.96E-01	1.46E-02	3.43E-03
8026	641636.2	4169248.9	Worker	Scenario 4	2.19E-01	5.44E-03	4.98E-03
8027	641736.2	4169248.9	Worker	Scenario 4	1.99E-01	4.64E-03	4.76E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8028	641836.2	4169248.9	Worker	Scenario 4	1.86E-01	4.11E-03	4.81E-03
8029	641936.2	4169248.9	Worker	Scenario 4	1.75E-01	3.72E-03	7.09E-03
8030	642036.2	4169248.9	Worker	Scenario 4	1.65E-01	3.41E-03	8.29E-03
8031	642136.2	4169248.9	Worker	Scenario 4	1.56E-01	3.16E-03	5.89E-03
8032	642236.2	4169248.9	Worker	Scenario 4	1.49E-01	2.94E-03	4.20E-03
8033	642336.2	4169248.9	Worker	Scenario 4	1.41E-01	2.76E-03	4.27E-03
8034	642436.2	4169248.9	Worker	Scenario 4	1.35E-01	2.60E-03	4.18E-03
8035	642536.2	4169248.9	Worker	Scenario 4	1.30E-01	2.46E-03	4.18E-03
8036	642636.2	4169248.9	Worker	Scenario 4	1.25E-01	2.34E-03	3.92E-03
8037	642736.2	4169248.9	Worker	Scenario 4	1.20E-01	2.23E-03	3.76E-03
8038	642836.2	4169248.9	Worker	Scenario 4	1.15E-01	2.13E-03	3.64E-03
8039	642936.2	4169248.9	Worker	Scenario 4	1.11E-01	2.04E-03	3.52E-03
8040	643036.2	4169248.9	Worker	Scenario 4	1.07E-01	1.95E-03	3.52E-03
8041	643136.2	4169248.9	Worker	Scenario 4	1.03E-01	1.87E-03	3.18E-03
8042	643236.2	4169248.9	Worker	Scenario 4	9.98E-02	1.80E-03	3.20E-03
8043	643336.2	4169248.9	Worker	Scenario 4	9.64E-02	1.73E-03	3.09E-03
8044	643436.2	4169248.9	Worker	Scenario 4	9.31E-02	1.66E-03	2.99E-03
8045	643536.2	4169248.9	Worker	Scenario 4	8.99E-02	1.60E-03	2.96E-03
8046	643636.2	4169248.9	Worker	Scenario 4	8.67E-02	1.54E-03	2.75E-03
8047	643736.2	4169248.9	Worker	Scenario 4	8.37E-02	1.48E-03	2.70E-03
8048	643836.2	4169248.9	Worker	Scenario 4	8.10E-02	1.42E-03	2.48E-03
8049	643936.2	4169248.9	Worker	Scenario 4	7.86E-02	1.38E-03	2.52E-03
8050	644036.2	4169248.9	Worker	Scenario 4	7.65E-02	1.33E-03	2.43E-03
8051	644136.2	4169248.9	Worker	Scenario 4	7.44E-02	1.29E-03	2.35E-03
8052	644236.2	4169248.9	Worker	Scenario 4	7.23E-02	1.24E-03	2.26E-03
8053	644636.2	4169248.9	Worker	Scenario 4	6.43E-02	1.10E-03	2.16E-03
8054	644736.2	4169248.9	Worker	Scenario 4	6.26E-02	1.06E-03	2.47E-03
8055	644836.2	4169248.9	Worker	Scenario 4	6.10E-02	1.03E-03	2.75E-03
8056	644936.2	4169248.9	Worker	Scenario 4	5.94E-02	1.00E-03	2.92E-03
8057	645036.2	4169248.9	Worker	Scenario 4	5.79E-02	9.77E-04	2.97E-03
8058	645136.2	4169248.9	Worker	Scenario 4	5.65E-02	9.50E-04	2.89E-03
8059	645236.2	4169248.9	Worker	Scenario 4	5.51E-02	9.25E-04	2.72E-03
8060	645336.2	4169248.9	Worker	Scenario 4	5.37E-02	9.01E-04	2.48E-03
8061	645436.2	4169248.9	Worker	Scenario 4	5.25E-02	8.79E-04	2.19E-03
8062	645536.2	4169248.9	Worker	Scenario 4	5.13E-02	8.58E-04	1.89E-03
8063	645636.2	4169248.9	Worker	Scenario 4	5.02E-02	8.38E-04	1.59E-03
8064	645736.2	4169248.9	Worker	Scenario 4	4.91E-02	8.19E-04	1.42E-03
8065	645836.2	4169248.9	Worker	Scenario 4	4.81E-02	8.01E-04	1.34E-03
8066	645936.2	4169248.9	Worker	Scenario 4	4.71E-02	7.83E-04	1.27E-03
8067	646036.2	4169248.9	Worker	Scenario 4	4.62E-02	7.65E-04	1.23E-03
8068	635636.2	4169348.9	Worker	Scenario 4	9.92E-03	2.82E-04	1.55E-03
8069	635736.2	4169348.9	Worker	Scenario 4	8.87E-03	2.62E-04	1.66E-03
8070	635836.2	4169348.9	Worker	Scenario 4	8.84E-03	2.64E-04	1.51E-03
8071	635936.2	4169348.9	Worker	Scenario 4	8.93E-03	2.68E-04	1.30E-03
8072	636036.2	4169348.9	Worker	Scenario 4	9.17E-03	2.75E-04	1.49E-03
8073	636136.2	4169348.9	Worker	Scenario 4	9.46E-03	2.83E-04	1.65E-03
8074	636236.2	4169348.9	Worker	Scenario 4	9.90E-03	2.95E-04	1.77E-03
8075	636336.2	4169348.9	Worker	Scenario 4	1.06E-02	3.12E-04	1.94E-03
8076	636436.2	4169348.9	Worker	Scenario 4	1.14E-02	3.31E-04	2.09E-03
8077	636536.2	4169348.9	Worker	Scenario 4	1.21E-02	3.49E-04	2.22E-03
8078	636636.2	4169348.9	Worker	Scenario 4	1.33E-02	3.80E-04	2.39E-03
8079	636736.2	4169348.9	Worker	Scenario 4	1.36E-02	3.90E-04	2.55E-03
8080	636836.2	4169348.9	Worker	Scenario 4	1.45E-02	4.15E-04	2.47E-03
8081	636936.2	4169348.9	Worker	Scenario 4	1.60E-02	4.53E-04	2.17E-03
8082	637036.2	4169348.9	Worker	Scenario 4	1.71E-02	4.82E-04	1.91E-03
8083	637136.2	4169348.9	Worker	Scenario 4	1.88E-02	5.28E-04	1.64E-03
8084	637236.2	4169348.9	Worker	Scenario 4	2.04E-02	5.71E-04	1.68E-03
8085	637336.2	4169348.9	Worker	Scenario 4	2.20E-02	6.16E-04	1.67E-03
8086	637436.2	4169348.9	Worker	Scenario 4	2.41E-02	6.75E-04	1.50E-03
8087	637536.2	4169348.9	Worker	Scenario 4	2.64E-02	7.43E-04	1.34E-03
8088	637636.2	4169348.9	Worker	Scenario 4	2.91E-02	8.25E-04	1.34E-03
8089	637836.2	4169348.9	Worker	Scenario 4	3.63E-02	1.06E-03	1.29E-03
8090	639736.2	4169348.9	Worker	Scenario 4	3.35E-01	1.75E-02	2.74E-03
8091	639836.2	4169348.9	Worker	Scenario 4	2.27E-01	9.18E-03	2.89E-03
8092	639936.2	4169348.9	Worker	Scenario 4	2.06E-01	7.79E-03	2.97E-03
8093	640036.2	4169348.9	Worker	Scenario 4	1.97E-01	7.28E-03	3.05E-03
8094	640136.2	4169348.9	Worker	Scenario 4	1.94E-01	7.09E-03	3.13E-03
8095	640236.2	4169348.9	Worker	Scenario 4	1.95E-01	7.14E-03	3.20E-03
8096	641636.2	4169348.9	Worker	Scenario 4	1.99E-01	4.84E-03	4.62E-03
8097	641736.2	4169348.9	Worker	Scenario 4	1.81E-01	4.17E-03	4.54E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8098	641836.2	4169348.9	Worker	Scenario 4	1.68E-01	3.71E-03	4.52E-03
8099	641936.2	4169348.9	Worker	Scenario 4	1.59E-01	3.38E-03	6.02E-03
8100	642036.2	4169348.9	Worker	Scenario 4	1.50E-01	3.12E-03	7.98E-03
8101	642136.2	4169348.9	Worker	Scenario 4	1.43E-01	2.90E-03	6.60E-03
8102	642236.2	4169348.9	Worker	Scenario 4	1.36E-01	2.71E-03	3.90E-03
8103	642336.2	4169348.9	Worker	Scenario 4	1.30E-01	2.55E-03	4.08E-03
8104	642436.2	4169348.9	Worker	Scenario 4	1.25E-01	2.41E-03	3.96E-03
8105	642536.2	4169348.9	Worker	Scenario 4	1.20E-01	2.28E-03	3.90E-03
8106	642636.2	4169348.9	Worker	Scenario 4	1.15E-01	2.18E-03	3.84E-03
8107	642736.2	4169348.9	Worker	Scenario 4	1.11E-01	2.08E-03	3.62E-03
8108	642836.2	4169348.9	Worker	Scenario 4	1.07E-01	1.99E-03	3.50E-03
8109	642936.2	4169348.9	Worker	Scenario 4	1.03E-01	1.90E-03	3.40E-03
8110	643036.2	4169348.9	Worker	Scenario 4	9.97E-02	1.83E-03	3.30E-03
8111	643136.2	4169348.9	Worker	Scenario 4	9.63E-02	1.76E-03	3.22E-03
8112	643236.2	4169348.9	Worker	Scenario 4	9.31E-02	1.69E-03	3.00E-03
8113	643336.2	4169348.9	Worker	Scenario 4	9.01E-02	1.63E-03	2.98E-03
8114	643436.2	4169348.9	Worker	Scenario 4	8.72E-02	1.57E-03	2.88E-03
8115	643536.2	4169348.9	Worker	Scenario 4	8.43E-02	1.51E-03	2.79E-03
8116	643636.2	4169348.9	Worker	Scenario 4	8.15E-02	1.45E-03	2.76E-03
8117	643736.2	4169348.9	Worker	Scenario 4	7.88E-02	1.40E-03	2.60E-03
8118	643836.2	4169348.9	Worker	Scenario 4	7.63E-02	1.35E-03	2.51E-03
8119	643936.2	4169348.9	Worker	Scenario 4	7.40E-02	1.31E-03	2.37E-03
8120	644036.2	4169348.9	Worker	Scenario 4	7.20E-02	1.26E-03	2.37E-03
8121	644136.2	4169348.9	Worker	Scenario 4	7.02E-02	1.23E-03	2.29E-03
8122	644236.2	4169348.9	Worker	Scenario 4	6.84E-02	1.19E-03	2.22E-03
8123	644336.2	4169348.9	Worker	Scenario 4	6.66E-02	1.15E-03	2.15E-03
8124	644636.2	4169348.9	Worker	Scenario 4	6.12E-02	1.05E-03	1.93E-03
8125	644736.2	4169348.9	Worker	Scenario 4	5.96E-02	1.02E-03	1.96E-03
8126	644836.2	4169348.9	Worker	Scenario 4	5.81E-02	9.90E-04	2.12E-03
8127	644936.2	4169348.9	Worker	Scenario 4	5.66E-02	9.63E-04	2.43E-03
8128	645036.2	4169348.9	Worker	Scenario 4	5.53E-02	9.37E-04	2.67E-03
8129	645136.2	4169348.9	Worker	Scenario 4	5.39E-02	9.12E-04	2.81E-03
8130	645236.2	4169348.9	Worker	Scenario 4	5.26E-02	8.89E-04	2.83E-03
8131	645336.2	4169348.9	Worker	Scenario 4	5.14E-02	8.66E-04	2.76E-03
8132	645436.2	4169348.9	Worker	Scenario 4	5.02E-02	8.45E-04	2.59E-03
8133	645536.2	4169348.9	Worker	Scenario 4	4.90E-02	8.25E-04	2.36E-03
8134	645636.2	4169348.9	Worker	Scenario 4	4.79E-02	8.06E-04	2.10E-03
8135	645736.2	4169348.9	Worker	Scenario 4	4.69E-02	7.88E-04	1.82E-03
8136	645836.2	4169348.9	Worker	Scenario 4	4.60E-02	7.71E-04	1.54E-03
8137	645936.2	4169348.9	Worker	Scenario 4	4.51E-02	7.54E-04	1.36E-03
8138	635636.2	4169448.9	Worker	Scenario 4	1.05E-02	2.91E-04	1.13E-03
8139	635736.2	4169448.9	Worker	Scenario 4	1.05E-02	2.93E-04	1.32E-03
8140	635836.2	4169448.9	Worker	Scenario 4	9.76E-03	2.80E-04	1.63E-03
8141	635936.2	4169448.9	Worker	Scenario 4	9.91E-03	2.86E-04	1.73E-03
8142	636036.2	4169448.9	Worker	Scenario 4	1.00E-02	2.90E-04	1.76E-03
8143	636136.2	4169448.9	Worker	Scenario 4	1.01E-02	2.95E-04	1.91E-03
8144	636236.2	4169448.9	Worker	Scenario 4	1.04E-02	3.03E-04	2.01E-03
8145	636336.2	4169448.9	Worker	Scenario 4	1.09E-02	3.16E-04	2.18E-03
8146	636436.2	4169448.9	Worker	Scenario 4	1.16E-02	3.33E-04	2.38E-03
8147	636536.2	4169448.9	Worker	Scenario 4	1.24E-02	3.54E-04	2.43E-03
8148	636636.2	4169448.9	Worker	Scenario 4	1.34E-02	3.79E-04	2.30E-03
8149	636736.2	4169448.9	Worker	Scenario 4	1.46E-02	4.10E-04	2.02E-03
8150	636836.2	4169448.9	Worker	Scenario 4	1.54E-02	4.31E-04	1.80E-03
8151	636936.2	4169448.9	Worker	Scenario 4	1.68E-02	4.68E-04	1.65E-03
8152	637036.2	4169448.9	Worker	Scenario 4	1.76E-02	4.92E-04	1.87E-03
8153	637136.2	4169448.9	Worker	Scenario 4	1.87E-02	5.24E-04	1.95E-03
8154	637236.2	4169448.9	Worker	Scenario 4	2.04E-02	5.68E-04	1.82E-03
8155	637336.2	4169448.9	Worker	Scenario 4	2.22E-02	6.20E-04	1.76E-03
8156	637436.2	4169448.9	Worker	Scenario 4	2.47E-02	6.88E-04	1.46E-03
8157	637736.2	4169448.9	Worker	Scenario 4	3.43E-02	9.75E-04	1.30E-03
8158	637836.2	4169448.9	Worker	Scenario 4	3.93E-02	1.14E-03	1.46E-03
8159	639736.2	4169448.9	Worker	Scenario 4	2.83E-01	1.42E-02	2.67E-03
8160	639836.2	4169448.9	Worker	Scenario 4	1.92E-01	7.22E-03	2.74E-03
8161	639936.2	4169448.9	Worker	Scenario 4	1.74E-01	5.91E-03	2.85E-03
8162	640036.2	4169448.9	Worker	Scenario 4	1.66E-01	5.38E-03	2.85E-03
8163	640136.2	4169448.9	Worker	Scenario 4	1.62E-01	5.15E-03	2.97E-03
8164	640236.2	4169448.9	Worker	Scenario 4	1.62E-01	5.13E-03	3.34E-03
8165	641636.2	4169448.9	Worker	Scenario 4	1.81E-01	4.35E-03	4.29E-03
8166	641736.2	4169448.9	Worker	Scenario 4	1.65E-01	3.77E-03	4.29E-03
8167	641836.2	4169448.9	Worker	Scenario 4	1.54E-01	3.38E-03	4.24E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8168	641936.2	4169448.9	Worker	Scenario 4	1.45E-01	3.08E-03	5.03E-03
8169	642036.2	4169448.9	Worker	Scenario 4	1.38E-01	2.85E-03	7.42E-03
8170	642136.2	4169448.9	Worker	Scenario 4	1.32E-01	2.66E-03	7.03E-03
8171	642236.2	4169448.9	Worker	Scenario 4	1.26E-01	2.50E-03	4.39E-03
8172	642336.2	4169448.9	Worker	Scenario 4	1.20E-01	2.36E-03	3.77E-03
8173	642436.2	4169448.9	Worker	Scenario 4	1.16E-01	2.23E-03	3.73E-03
8174	642536.2	4169448.9	Worker	Scenario 4	1.11E-01	2.13E-03	3.63E-03
8175	642636.2	4169448.9	Worker	Scenario 4	1.07E-01	2.03E-03	3.84E-03
8176	642736.2	4169448.9	Worker	Scenario 4	1.03E-01	1.94E-03	3.46E-03
8177	642836.2	4169448.9	Worker	Scenario 4	9.97E-02	1.86E-03	3.24E-03
8178	642936.2	4169448.9	Worker	Scenario 4	9.63E-02	1.78E-03	3.24E-03
8179	643036.2	4169448.9	Worker	Scenario 4	9.31E-02	1.72E-03	3.12E-03
8180	643136.2	4169448.9	Worker	Scenario 4	9.01E-02	1.65E-03	3.07E-03
8181	643236.2	4169448.9	Worker	Scenario 4	8.72E-02	1.59E-03	2.94E-03
8182	643336.2	4169448.9	Worker	Scenario 4	8.45E-02	1.53E-03	2.83E-03
8183	643436.2	4169448.9	Worker	Scenario 4	8.18E-02	1.48E-03	2.79E-03
8184	643536.2	4169448.9	Worker	Scenario 4	7.93E-02	1.43E-03	2.69E-03
8185	643636.2	4169448.9	Worker	Scenario 4	7.67E-02	1.38E-03	2.60E-03
8186	643736.2	4169448.9	Worker	Scenario 4	7.42E-02	1.33E-03	2.59E-03
8187	643836.2	4169448.9	Worker	Scenario 4	7.19E-02	1.28E-03	2.45E-03
8188	643936.2	4169448.9	Worker	Scenario 4	6.98E-02	1.24E-03	2.33E-03
8189	644036.2	4169448.9	Worker	Scenario 4	6.80E-02	1.20E-03	2.27E-03
8190	644136.2	4169448.9	Worker	Scenario 4	6.64E-02	1.17E-03	2.21E-03
8191	644236.2	4169448.9	Worker	Scenario 4	6.48E-02	1.13E-03	2.15E-03
8192	644336.2	4169448.9	Worker	Scenario 4	6.32E-02	1.10E-03	2.08E-03
8193	644636.2	4169448.9	Worker	Scenario 4	5.84E-02	1.01E-03	1.91E-03
8194	644736.2	4169448.9	Worker	Scenario 4	5.68E-02	9.78E-04	1.86E-03
8195	644836.2	4169448.9	Worker	Scenario 4	5.54E-02	9.50E-04	1.83E-03
8196	644936.2	4169448.9	Worker	Scenario 4	5.40E-02	9.24E-04	1.86E-03
8197	645036.2	4169448.9	Worker	Scenario 4	5.27E-02	9.00E-04	2.11E-03
8198	645136.2	4169448.9	Worker	Scenario 4	5.15E-02	8.76E-04	2.39E-03
8199	645236.2	4169448.9	Worker	Scenario 4	5.03E-02	8.54E-04	2.59E-03
8200	645336.2	4169448.9	Worker	Scenario 4	4.91E-02	8.33E-04	2.70E-03
8201	645436.2	4169448.9	Worker	Scenario 4	4.80E-02	8.12E-04	2.71E-03
8202	645536.2	4169448.9	Worker	Scenario 4	4.69E-02	7.93E-04	2.63E-03
8203	645636.2	4169448.9	Worker	Scenario 4	4.58E-02	7.75E-04	2.47E-03
8204	645736.2	4169448.9	Worker	Scenario 4	4.49E-02	7.58E-04	2.26E-03
8205	635636.2	4169548.9	Worker	Scenario 4	1.06E-02	2.93E-04	1.08E-03
8206	635736.2	4169548.9	Worker	Scenario 4	1.10E-02	3.02E-04	1.09E-03
8207	635836.2	4169548.9	Worker	Scenario 4	1.12E-02	3.09E-04	1.21E-03
8208	635936.2	4169548.9	Worker	Scenario 4	1.11E-02	3.08E-04	1.59E-03
8209	636036.2	4169548.9	Worker	Scenario 4	1.04E-02	2.95E-04	1.93E-03
8210	636136.2	4169548.9	Worker	Scenario 4	1.08E-02	3.06E-04	2.15E-03
8211	636236.2	4169548.9	Worker	Scenario 4	1.12E-02	3.17E-04	2.28E-03
8212	636336.2	4169548.9	Worker	Scenario 4	1.15E-02	3.26E-04	2.29E-03
8213	636436.2	4169548.9	Worker	Scenario 4	1.20E-02	3.40E-04	2.17E-03
8214	636536.2	4169548.9	Worker	Scenario 4	1.28E-02	3.60E-04	1.95E-03
8215	636636.2	4169548.9	Worker	Scenario 4	1.38E-02	3.84E-04	1.73E-03
8216	636736.2	4169548.9	Worker	Scenario 4	1.47E-02	4.07E-04	1.72E-03
8217	636836.2	4169548.9	Worker	Scenario 4	1.55E-02	4.30E-04	1.92E-03
8218	636936.2	4169548.9	Worker	Scenario 4	1.65E-02	4.58E-04	1.98E-03
8219	637036.2	4169548.9	Worker	Scenario 4	1.78E-02	4.92E-04	1.89E-03
8220	637136.2	4169548.9	Worker	Scenario 4	1.93E-02	5.33E-04	1.85E-03
8221	637236.2	4169548.9	Worker	Scenario 4	2.09E-02	5.78E-04	1.73E-03
8222	637336.2	4169548.9	Worker	Scenario 4	2.29E-02	6.34E-04	1.48E-03
8223	637536.2	4169548.9	Worker	Scenario 4	2.88E-02	7.98E-04	1.18E-03
8224	637636.2	4169548.9	Worker	Scenario 4	3.23E-02	9.01E-04	1.33E-03
8225	637736.2	4169548.9	Worker	Scenario 4	3.65E-02	1.03E-03	1.44E-03
8226	639636.2	4169548.9	Worker	Scenario 4	1.90E-01	7.20E-03	2.50E-03
8227	639736.2	4169548.9	Worker	Scenario 4	2.59E-01	1.31E-02	2.56E-03
8228	639836.2	4169548.9	Worker	Scenario 4	1.74E-01	6.49E-03	2.63E-03
8229	639936.2	4169548.9	Worker	Scenario 4	1.57E-01	5.22E-03	2.71E-03
8230	640036.2	4169548.9	Worker	Scenario 4	1.49E-01	4.69E-03	2.79E-03
8231	640136.2	4169548.9	Worker	Scenario 4	1.46E-01	4.45E-03	2.79E-03
8232	640236.2	4169548.9	Worker	Scenario 4	1.45E-01	4.38E-03	3.42E-03
8233	641536.2	4169548.9	Worker	Scenario 4	1.92E-01	4.83E-03	4.07E-03
8234	641636.2	4169548.9	Worker	Scenario 4	1.67E-01	3.95E-03	4.04E-03
8235	641736.2	4169548.9	Worker	Scenario 4	1.52E-01	3.44E-03	4.02E-03
8236	641836.2	4169548.9	Worker	Scenario 4	1.41E-01	3.08E-03	3.92E-03
8237	641936.2	4169548.9	Worker	Scenario 4	1.33E-01	2.82E-03	4.32E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8238	642036.2	4169548.9	Worker	Scenario 4	1.27E-01	2.62E-03	6.71E-03
8239	642136.2	4169548.9	Worker	Scenario 4	1.21E-01	2.46E-03	7.17E-03
8240	642236.2	4169548.9	Worker	Scenario 4	1.16E-01	2.31E-03	5.13E-03
8241	642336.2	4169548.9	Worker	Scenario 4	1.12E-01	2.19E-03	3.33E-03
8242	642436.2	4169548.9	Worker	Scenario 4	1.07E-01	2.08E-03	3.51E-03
8243	642536.2	4169548.9	Worker	Scenario 4	1.04E-01	1.98E-03	3.47E-03
8244	642636.2	4169548.9	Worker	Scenario 4	9.99E-02	1.89E-03	3.56E-03
8245	642736.2	4169548.9	Worker	Scenario 4	9.65E-02	1.82E-03	3.60E-03
8246	642836.2	4169548.9	Worker	Scenario 4	9.32E-02	1.74E-03	3.18E-03
8247	642936.2	4169548.9	Worker	Scenario 4	9.01E-02	1.68E-03	3.07E-03
8248	643036.2	4169548.9	Worker	Scenario 4	8.73E-02	1.61E-03	3.01E-03
8249	643136.2	4169548.9	Worker	Scenario 4	8.46E-02	1.56E-03	2.93E-03
8250	643236.2	4169548.9	Worker	Scenario 4	8.21E-02	1.50E-03	2.90E-03
8251	643336.2	4169548.9	Worker	Scenario 4	7.94E-02	1.45E-03	2.68E-03
8252	643436.2	4169548.9	Worker	Scenario 4	7.70E-02	1.40E-03	2.66E-03
8253	643536.2	4169548.9	Worker	Scenario 4	7.46E-02	1.35E-03	2.60E-03
8254	643636.2	4169548.9	Worker	Scenario 4	7.24E-02	1.31E-03	2.51E-03
8255	643736.2	4169548.9	Worker	Scenario 4	7.01E-02	1.26E-03	2.44E-03
8256	643836.2	4169548.9	Worker	Scenario 4	6.80E-02	1.22E-03	2.43E-03
8257	643936.2	4169548.9	Worker	Scenario 4	6.60E-02	1.18E-03	2.31E-03
8258	644036.2	4169548.9	Worker	Scenario 4	6.43E-02	1.15E-03	2.16E-03
8259	644136.2	4169548.9	Worker	Scenario 4	6.28E-02	1.11E-03	2.16E-03
8260	644236.2	4169548.9	Worker	Scenario 4	6.14E-02	1.08E-03	2.05E-03
8261	644336.2	4169548.9	Worker	Scenario 4	6.00E-02	1.05E-03	2.03E-03
8262	644436.2	4169548.9	Worker	Scenario 4	5.86E-02	1.02E-03	1.98E-03
8263	644636.2	4169548.9	Worker	Scenario 4	5.57E-02	9.66E-04	1.88E-03
8264	644736.2	4169548.9	Worker	Scenario 4	5.42E-02	9.39E-04	1.82E-03
8265	644836.2	4169548.9	Worker	Scenario 4	5.29E-02	9.13E-04	1.76E-03
8266	644936.2	4169548.9	Worker	Scenario 4	5.16E-02	8.88E-04	1.70E-03
8267	645036.2	4169548.9	Worker	Scenario 4	5.04E-02	8.65E-04	1.73E-03
8268	645136.2	4169548.9	Worker	Scenario 4	4.92E-02	8.43E-04	1.82E-03
8269	645236.2	4169548.9	Worker	Scenario 4	4.81E-02	8.22E-04	2.10E-03
8270	645336.2	4169548.9	Worker	Scenario 4	4.70E-02	8.02E-04	2.34E-03
8271	645436.2	4169548.9	Worker	Scenario 4	4.60E-02	7.82E-04	2.51E-03
8272	645536.2	4169548.9	Worker	Scenario 4	4.49E-02	7.64E-04	2.60E-03
8273	635636.2	4169648.9	Worker	Scenario 4	1.07E-02	2.92E-04	1.09E-03
8274	635736.2	4169648.9	Worker	Scenario 4	1.10E-02	3.01E-04	1.15E-03
8275	635836.2	4169648.9	Worker	Scenario 4	1.14E-02	3.11E-04	1.13E-03
8276	635936.2	4169648.9	Worker	Scenario 4	1.16E-02	3.17E-04	1.41E-03
8277	636036.2	4169648.9	Worker	Scenario 4	1.19E-02	3.24E-04	1.61E-03
8278	636136.2	4169648.9	Worker	Scenario 4	1.19E-02	3.27E-04	1.86E-03
8279	636236.2	4169648.9	Worker	Scenario 4	1.19E-02	3.29E-04	1.93E-03
8280	636336.2	4169648.9	Worker	Scenario 4	1.21E-02	3.38E-04	1.77E-03
8281	636436.2	4169648.9	Worker	Scenario 4	1.25E-02	3.47E-04	1.71E-03
8282	636536.2	4169648.9	Worker	Scenario 4	1.31E-02	3.63E-04	1.73E-03
8283	636636.2	4169648.9	Worker	Scenario 4	1.39E-02	3.84E-04	1.90E-03
8284	636736.2	4169648.9	Worker	Scenario 4	1.48E-02	4.08E-04	1.95E-03
8285	636836.2	4169648.9	Worker	Scenario 4	1.59E-02	4.35E-04	1.87E-03
8286	636936.2	4169648.9	Worker	Scenario 4	1.71E-02	4.67E-04	1.88E-03
8287	637036.2	4169648.9	Worker	Scenario 4	1.84E-02	5.02E-04	1.75E-03
8288	637136.2	4169648.9	Worker	Scenario 4	1.99E-02	5.43E-04	1.54E-03
8289	637436.2	4169648.9	Worker	Scenario 4	2.80E-02	7.60E-04	1.21E-03
8290	637536.2	4169648.9	Worker	Scenario 4	3.06E-02	8.39E-04	1.33E-03
8291	637636.2	4169648.9	Worker	Scenario 4	3.41E-02	9.42E-04	1.39E-03
8292	637736.2	4169648.9	Worker	Scenario 4	3.84E-02	1.08E-03	1.38E-03
8293	639536.2	4169648.9	Worker	Scenario 4	1.58E-01	5.13E-03	2.35E-03
8294	639636.2	4169648.9	Worker	Scenario 4	1.76E-01	6.92E-03	2.41E-03
8295	639736.2	4169648.9	Worker	Scenario 4	2.41E-01	1.24E-02	2.48E-03
8296	639836.2	4169648.9	Worker	Scenario 4	1.61E-01	6.07E-03	2.53E-03
8297	639936.2	4169648.9	Worker	Scenario 4	1.44E-01	4.79E-03	2.57E-03
8298	640036.2	4169648.9	Worker	Scenario 4	1.37E-01	4.24E-03	2.63E-03
8299	640136.2	4169648.9	Worker	Scenario 4	1.33E-01	3.98E-03	3.04E-03
8300	640236.2	4169648.9	Worker	Scenario 4	1.33E-01	3.89E-03	3.24E-03
8301	640336.2	4169648.9	Worker	Scenario 4	1.33E-01	3.90E-03	3.32E-03
8302	640836.2	4169648.9	Worker	Scenario 4	1.40E-01	3.84E-03	3.64E-03
8303	640936.2	4169648.9	Worker	Scenario 4	1.43E-01	3.87E-03	3.73E-03
8304	641036.2	4169648.9	Worker	Scenario 4	1.48E-01	3.98E-03	3.69E-03
8305	641136.2	4169648.9	Worker	Scenario 4	1.60E-01	4.33E-03	3.66E-03
8306	641236.2	4169648.9	Worker	Scenario 4	1.96E-01	5.71E-03	3.73E-03
8307	641336.2	4169648.9	Worker	Scenario 4	5.87E-01	2.08E-02	3.66E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8308	641436.2	4169648.9	Worker	Scenario 4	2.33E-01	6.38E-03	3.74E-03
8309	641536.2	4169648.9	Worker	Scenario 4	1.78E-01	4.44E-03	3.81E-03
8310	641636.2	4169648.9	Worker	Scenario 4	1.54E-01	3.61E-03	3.81E-03
8311	641736.2	4169648.9	Worker	Scenario 4	1.40E-01	3.13E-03	3.74E-03
8312	641836.2	4169648.9	Worker	Scenario 4	1.30E-01	2.82E-03	3.57E-03
8313	641936.2	4169648.9	Worker	Scenario 4	1.23E-01	2.59E-03	3.85E-03
8314	642036.2	4169648.9	Worker	Scenario 4	1.17E-01	2.42E-03	5.92E-03
8315	642136.2	4169648.9	Worker	Scenario 4	1.12E-01	2.27E-03	7.06E-03
8316	642236.2	4169648.9	Worker	Scenario 4	1.08E-01	2.15E-03	5.72E-03
8317	642336.2	4169648.9	Worker	Scenario 4	1.04E-01	2.04E-03	3.43E-03
8318	642436.2	4169648.9	Worker	Scenario 4	1.00E-01	1.94E-03	3.36E-03
8319	642536.2	4169648.9	Worker	Scenario 4	9.66E-02	1.85E-03	3.29E-03
8320	642636.2	4169648.9	Worker	Scenario 4	9.33E-02	1.77E-03	3.21E-03
8321	642736.2	4169648.9	Worker	Scenario 4	9.02E-02	1.70E-03	3.55E-03
8322	642836.2	4169648.9	Worker	Scenario 4	8.73E-02	1.64E-03	3.25E-03
8323	642936.2	4169648.9	Worker	Scenario 4	8.45E-02	1.58E-03	2.95E-03
8324	643036.2	4169648.9	Worker	Scenario 4	8.19E-02	1.52E-03	2.89E-03
8325	643136.2	4169648.9	Worker	Scenario 4	7.96E-02	1.47E-03	2.81E-03
8326	643236.2	4169648.9	Worker	Scenario 4	7.72E-02	1.42E-03	2.72E-03
8327	643336.2	4169648.9	Worker	Scenario 4	7.49E-02	1.37E-03	2.72E-03
8328	643436.2	4169648.9	Worker	Scenario 4	7.27E-02	1.33E-03	2.45E-03
8329	643536.2	4169648.9	Worker	Scenario 4	7.06E-02	1.28E-03	2.51E-03
8330	643636.2	4169648.9	Worker	Scenario 4	6.85E-02	1.24E-03	2.45E-03
8331	643736.2	4169648.9	Worker	Scenario 4	6.64E-02	1.20E-03	2.36E-03
8332	643836.2	4169648.9	Worker	Scenario 4	6.44E-02	1.16E-03	2.29E-03
8333	643936.2	4169648.9	Worker	Scenario 4	6.25E-02	1.13E-03	2.28E-03
8334	644036.2	4169648.9	Worker	Scenario 4	6.09E-02	1.09E-03	2.18E-03
8335	644136.2	4169648.9	Worker	Scenario 4	5.95E-02	1.06E-03	2.01E-03
8336	644236.2	4169648.9	Worker	Scenario 4	5.82E-02	1.03E-03	2.05E-03
8337	644336.2	4169648.9	Worker	Scenario 4	5.70E-02	1.01E-03	1.90E-03
8338	644436.2	4169648.9	Worker	Scenario 4	5.58E-02	9.81E-04	1.94E-03
8339	644636.2	4169648.9	Worker	Scenario 4	5.32E-02	9.28E-04	1.84E-03
8340	644736.2	4169648.9	Worker	Scenario 4	5.18E-02	9.02E-04	1.77E-03
8341	644836.2	4169648.9	Worker	Scenario 4	5.06E-02	8.78E-04	1.71E-03
8342	644936.2	4169648.9	Worker	Scenario 4	4.93E-02	8.55E-04	1.68E-03
8343	645036.2	4169648.9	Worker	Scenario 4	4.82E-02	8.33E-04	1.64E-03
8344	645136.2	4169648.9	Worker	Scenario 4	4.71E-02	8.12E-04	1.62E-03
8345	645236.2	4169648.9	Worker	Scenario 4	4.61E-02	7.92E-04	1.63E-03
8346	635636.2	4169748.9	Worker	Scenario 4	1.10E-02	2.98E-04	7.84E-04
8347	635736.2	4169748.9	Worker	Scenario 4	1.14E-02	3.08E-04	7.77E-04
8348	635836.2	4169748.9	Worker	Scenario 4	1.18E-02	3.17E-04	7.57E-04
8349	635936.2	4169748.9	Worker	Scenario 4	1.19E-02	3.21E-04	1.15E-03
8350	636036.2	4169748.9	Worker	Scenario 4	1.23E-02	3.32E-04	1.15E-03
8351	636136.2	4169748.9	Worker	Scenario 4	1.26E-02	3.40E-04	1.23E-03
8352	636236.2	4169748.9	Worker	Scenario 4	1.28E-02	3.47E-04	1.25E-03
8353	636336.2	4169748.9	Worker	Scenario 4	1.25E-02	3.43E-04	1.60E-03
8354	636436.2	4169748.9	Worker	Scenario 4	1.32E-02	3.60E-04	1.76E-03
8355	636536.2	4169748.9	Worker	Scenario 4	1.38E-02	3.76E-04	1.83E-03
8356	636636.2	4169748.9	Worker	Scenario 4	1.44E-02	3.92E-04	1.82E-03
8357	636736.2	4169748.9	Worker	Scenario 4	1.53E-02	4.15E-04	1.87E-03
8358	636836.2	4169748.9	Worker	Scenario 4	1.64E-02	4.43E-04	1.76E-03
8359	636936.2	4169748.9	Worker	Scenario 4	1.76E-02	4.75E-04	1.60E-03
8360	637036.2	4169748.9	Worker	Scenario 4	1.90E-02	5.10E-04	1.47E-03
8361	637236.2	4169748.9	Worker	Scenario 4	2.25E-02	6.04E-04	1.32E-03
8362	637336.2	4169748.9	Worker	Scenario 4	2.76E-02	7.25E-04	1.21E-03
8363	637436.2	4169748.9	Worker	Scenario 4	2.93E-02	7.81E-04	1.29E-03
8364	637536.2	4169748.9	Worker	Scenario 4	3.21E-02	8.66E-04	1.30E-03
8365	637636.2	4169748.9	Worker	Scenario 4	3.58E-02	9.78E-04	1.26E-03
8366	637836.2	4169748.9	Worker	Scenario 4	4.88E-02	1.36E-03	1.43E-03
8367	639336.2	4169748.9	Worker	Scenario 4	1.50E-01	4.72E-03	1.94E-03
8368	639436.2	4169748.9	Worker	Scenario 4	1.45E-01	4.68E-03	2.20E-03
8369	639536.2	4169748.9	Worker	Scenario 4	1.46E-01	5.00E-03	2.27E-03
8370	639636.2	4169748.9	Worker	Scenario 4	1.67E-01	6.88E-03	2.32E-03
8371	639736.2	4169748.9	Worker	Scenario 4	2.27E-01	1.18E-02	2.37E-03
8372	639836.2	4169748.9	Worker	Scenario 4	1.50E-01	5.76E-03	2.35E-03
8373	639936.2	4169748.9	Worker	Scenario 4	1.33E-01	4.42E-03	2.46E-03
8374	640036.2	4169748.9	Worker	Scenario 4	1.26E-01	3.86E-03	2.56E-03
8375	640136.2	4169748.9	Worker	Scenario 4	1.23E-01	3.61E-03	3.04E-03
8376	640236.2	4169748.9	Worker	Scenario 4	1.22E-01	3.49E-03	2.97E-03
8377	640336.2	4169748.9	Worker	Scenario 4	1.22E-01	3.45E-03	3.16E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8378	640436.2	4169748.9	Worker	Scenario 4	1.22E-01	3.43E-03	3.22E-03
8379	640536.2	4169748.9	Worker	Scenario 4	1.23E-01	3.41E-03	3.17E-03
8380	640636.2	4169748.9	Worker	Scenario 4	1.24E-01	3.38E-03	3.34E-03
8381	640736.2	4169748.9	Worker	Scenario 4	1.25E-01	3.35E-03	3.39E-03
8382	640836.2	4169748.9	Worker	Scenario 4	1.27E-01	3.35E-03	3.53E-03
8383	640936.2	4169748.9	Worker	Scenario 4	1.30E-01	3.39E-03	3.45E-03
8384	641036.2	4169748.9	Worker	Scenario 4	1.35E-01	3.53E-03	3.41E-03
8385	641136.2	4169748.9	Worker	Scenario 4	1.47E-01	3.90E-03	3.33E-03
8386	641236.2	4169748.9	Worker	Scenario 4	1.86E-01	5.38E-03	3.50E-03
8387	641336.2	4169748.9	Worker	Scenario 4	5.48E-01	1.92E-02	3.42E-03
8388	641436.2	4169748.9	Worker	Scenario 4	2.18E-01	5.95E-03	3.53E-03
8389	641536.2	4169748.9	Worker	Scenario 4	1.65E-01	4.07E-03	3.59E-03
8390	641636.2	4169748.9	Worker	Scenario 4	1.42E-01	3.29E-03	3.59E-03
8391	641736.2	4169748.9	Worker	Scenario 4	1.29E-01	2.86E-03	3.55E-03
8392	641836.2	4169748.9	Worker	Scenario 4	1.20E-01	2.58E-03	3.24E-03
8393	641936.2	4169748.9	Worker	Scenario 4	1.14E-01	2.38E-03	3.49E-03
8394	642036.2	4169748.9	Worker	Scenario 4	1.08E-01	2.23E-03	5.13E-03
8395	642136.2	4169748.9	Worker	Scenario 4	1.04E-01	2.11E-03	6.74E-03
8396	642236.2	4169748.9	Worker	Scenario 4	1.00E-01	2.00E-03	6.12E-03
8397	642336.2	4169748.9	Worker	Scenario 4	9.70E-02	1.90E-03	3.95E-03
8398	642436.2	4169748.9	Worker	Scenario 4	9.35E-02	1.81E-03	3.00E-03
8399	642536.2	4169748.9	Worker	Scenario 4	9.04E-02	1.73E-03	3.04E-03
8400	642636.2	4169748.9	Worker	Scenario 4	8.74E-02	1.66E-03	3.07E-03
8401	642736.2	4169748.9	Worker	Scenario 4	8.45E-02	1.60E-03	3.27E-03
8402	642836.2	4169748.9	Worker	Scenario 4	8.17E-02	1.54E-03	3.38E-03
8403	642936.2	4169748.9	Worker	Scenario 4	7.93E-02	1.48E-03	2.88E-03
8404	643036.2	4169748.9	Worker	Scenario 4	7.71E-02	1.44E-03	2.68E-03
8405	643136.2	4169748.9	Worker	Scenario 4	7.50E-02	1.39E-03	2.69E-03
8406	643236.2	4169748.9	Worker	Scenario 4	7.29E-02	1.35E-03	2.63E-03
8407	643336.2	4169748.9	Worker	Scenario 4	7.09E-02	1.30E-03	2.56E-03
8408	643436.2	4169748.9	Worker	Scenario 4	6.88E-02	1.26E-03	2.55E-03
8409	643536.2	4169748.9	Worker	Scenario 4	6.69E-02	1.22E-03	2.23E-03
8410	643636.2	4169748.9	Worker	Scenario 4	6.49E-02	1.18E-03	2.37E-03
8411	643736.2	4169748.9	Worker	Scenario 4	6.30E-02	1.15E-03	2.30E-03
8412	643836.2	4169748.9	Worker	Scenario 4	6.11E-02	1.11E-03	2.22E-03
8413	643936.2	4169748.9	Worker	Scenario 4	5.94E-02	1.08E-03	2.16E-03
8414	644036.2	4169748.9	Worker	Scenario 4	5.78E-02	1.04E-03	2.15E-03
8415	644136.2	4169748.9	Worker	Scenario 4	5.65E-02	1.02E-03	2.06E-03
8416	644236.2	4169748.9	Worker	Scenario 4	5.53E-02	9.89E-04	1.91E-03
8417	644336.2	4169748.9	Worker	Scenario 4	5.42E-02	9.64E-04	1.95E-03
8418	644436.2	4169748.9	Worker	Scenario 4	5.31E-02	9.40E-04	1.81E-03
8419	644636.2	4169748.9	Worker	Scenario 4	5.08E-02	8.92E-04	1.78E-03
8420	644736.2	4169748.9	Worker	Scenario 4	4.96E-02	8.68E-04	1.73E-03
8421	644836.2	4169748.9	Worker	Scenario 4	4.84E-02	8.45E-04	1.69E-03
8422	644936.2	4169748.9	Worker	Scenario 4	4.73E-02	8.23E-04	1.65E-03
8423	635636.2	4169848.9	Worker	Scenario 4	1.11E-02	2.99E-04	7.08E-04
8424	635736.2	4169848.9	Worker	Scenario 4	1.15E-02	3.08E-04	7.03E-04
8425	635836.2	4169848.9	Worker	Scenario 4	1.20E-02	3.20E-04	6.95E-04
8426	635936.2	4169848.9	Worker	Scenario 4	1.25E-02	3.33E-04	7.14E-04
8427	636036.2	4169848.9	Worker	Scenario 4	1.27E-02	3.39E-04	7.85E-04
8428	636136.2	4169848.9	Worker	Scenario 4	1.30E-02	3.48E-04	1.00E-03
8429	636236.2	4169848.9	Worker	Scenario 4	1.35E-02	3.60E-04	1.09E-03
8430	636336.2	4169848.9	Worker	Scenario 4	1.38E-02	3.68E-04	1.33E-03
8431	636436.2	4169848.9	Worker	Scenario 4	1.35E-02	3.64E-04	1.69E-03
8432	636536.2	4169848.9	Worker	Scenario 4	1.43E-02	3.84E-04	1.71E-03
8433	636636.2	4169848.9	Worker	Scenario 4	1.49E-02	3.99E-04	1.72E-03
8434	636736.2	4169848.9	Worker	Scenario 4	1.58E-02	4.22E-04	1.66E-03
8435	636836.2	4169848.9	Worker	Scenario 4	1.69E-02	4.50E-04	1.55E-03
8436	636936.2	4169848.9	Worker	Scenario 4	1.81E-02	4.81E-04	1.47E-03
8437	637136.2	4169848.9	Worker	Scenario 4	2.12E-02	5.62E-04	1.42E-03
8438	637236.2	4169848.9	Worker	Scenario 4	2.31E-02	6.14E-04	1.20E-03
8439	637336.2	4169848.9	Worker	Scenario 4	2.83E-02	7.42E-04	1.22E-03
8440	637436.2	4169848.9	Worker	Scenario 4	3.07E-02	8.09E-04	1.20E-03
8441	637536.2	4169848.9	Worker	Scenario 4	3.30E-02	8.81E-04	1.16E-03
8442	637836.2	4169848.9	Worker	Scenario 4	5.11E-02	1.41E-03	1.38E-03
8443	639236.2	4169848.9	Worker	Scenario 4	1.47E-01	5.07E-03	1.82E-03
8444	639336.2	4169848.9	Worker	Scenario 4	1.41E-01	4.94E-03	2.06E-03
8445	639436.2	4169848.9	Worker	Scenario 4	1.39E-01	4.96E-03	2.13E-03
8446	639536.2	4169848.9	Worker	Scenario 4	1.41E-01	5.28E-03	2.26E-03
8447	639636.2	4169848.9	Worker	Scenario 4	1.63E-01	7.16E-03	2.24E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8448	639736.2	4169848.9	Worker	Scenario 4	2.16E-01	1.15E-02	2.29E-03
8449	639836.2	4169848.9	Worker	Scenario 4	1.39E-01	5.41E-03	2.34E-03
8450	639936.2	4169848.9	Worker	Scenario 4	1.22E-01	4.03E-03	2.33E-03
8451	640036.2	4169848.9	Worker	Scenario 4	1.15E-01	3.50E-03	2.78E-03
8452	640136.2	4169848.9	Worker	Scenario 4	1.13E-01	3.26E-03	2.90E-03
8453	640236.2	4169848.9	Worker	Scenario 4	1.12E-01	3.14E-03	2.96E-03
8454	640336.2	4169848.9	Worker	Scenario 4	1.11E-01	3.07E-03	2.94E-03
8455	640436.2	4169848.9	Worker	Scenario 4	1.12E-01	3.03E-03	3.04E-03
8456	640536.2	4169848.9	Worker	Scenario 4	1.12E-01	3.00E-03	2.84E-03
8457	640636.2	4169848.9	Worker	Scenario 4	1.13E-01	2.98E-03	3.11E-03
8458	640736.2	4169848.9	Worker	Scenario 4	1.15E-01	2.97E-03	3.20E-03
8459	640836.2	4169848.9	Worker	Scenario 4	1.16E-01	2.98E-03	3.41E-03
8460	640936.2	4169848.9	Worker	Scenario 4	1.19E-01	3.03E-03	3.29E-03
8461	641036.2	4169848.9	Worker	Scenario 4	1.25E-01	3.17E-03	3.22E-03
8462	641136.2	4169848.9	Worker	Scenario 4	1.36E-01	3.57E-03	3.03E-03
8463	641236.2	4169848.9	Worker	Scenario 4	1.76E-01	5.11E-03	3.33E-03
8464	641336.2	4169848.9	Worker	Scenario 4	5.11E-01	1.77E-02	3.20E-03
8465	641436.2	4169848.9	Worker	Scenario 4	2.04E-01	5.50E-03	3.34E-03
8466	641536.2	4169848.9	Worker	Scenario 4	1.52E-01	3.68E-03	3.38E-03
8467	641636.2	4169848.9	Worker	Scenario 4	1.31E-01	2.96E-03	3.39E-03
8468	641736.2	4169848.9	Worker	Scenario 4	1.19E-01	2.59E-03	3.37E-03
8469	641836.2	4169848.9	Worker	Scenario 4	1.11E-01	2.36E-03	3.08E-03
8470	641936.2	4169848.9	Worker	Scenario 4	1.05E-01	2.19E-03	3.30E-03
8471	642036.2	4169848.9	Worker	Scenario 4	1.00E-01	2.05E-03	4.38E-03
8472	642136.2	4169848.9	Worker	Scenario 4	9.66E-02	1.95E-03	6.26E-03
8473	642236.2	4169848.9	Worker	Scenario 4	9.32E-02	1.85E-03	6.31E-03
8474	642336.2	4169848.9	Worker	Scenario 4	9.03E-02	1.77E-03	4.54E-03
8475	642436.2	4169848.9	Worker	Scenario 4	8.75E-02	1.70E-03	2.80E-03
8476	642536.2	4169848.9	Worker	Scenario 4	8.46E-02	1.62E-03	2.99E-03
8477	642636.2	4169848.9	Worker	Scenario 4	8.18E-02	1.56E-03	2.93E-03
8478	642736.2	4169848.9	Worker	Scenario 4	7.92E-02	1.50E-03	2.89E-03
8479	642836.2	4169848.9	Worker	Scenario 4	7.68E-02	1.45E-03	3.29E-03
8480	642936.2	4169848.9	Worker	Scenario 4	7.46E-02	1.40E-03	3.11E-03
8481	643036.2	4169848.9	Worker	Scenario 4	7.27E-02	1.36E-03	2.67E-03
8482	643136.2	4169848.9	Worker	Scenario 4	7.08E-02	1.32E-03	2.57E-03
8483	643236.2	4169848.9	Worker	Scenario 4	6.89E-02	1.28E-03	2.54E-03
8484	643336.2	4169848.9	Worker	Scenario 4	6.71E-02	1.24E-03	2.45E-03
8485	643436.2	4169848.9	Worker	Scenario 4	6.53E-02	1.20E-03	2.42E-03
8486	643536.2	4169848.9	Worker	Scenario 4	6.35E-02	1.16E-03	2.38E-03
8487	643636.2	4169848.9	Worker	Scenario 4	6.17E-02	1.13E-03	2.10E-03
8488	643736.2	4169848.9	Worker	Scenario 4	5.99E-02	1.09E-03	2.23E-03
8489	643836.2	4169848.9	Worker	Scenario 4	5.81E-02	1.06E-03	2.16E-03
8490	643936.2	4169848.9	Worker	Scenario 4	5.65E-02	1.03E-03	2.09E-03
8491	644036.2	4169848.9	Worker	Scenario 4	5.50E-02	9.99E-04	2.04E-03
8492	644136.2	4169848.9	Worker	Scenario 4	5.37E-02	9.72E-04	2.03E-03
8493	644236.2	4169848.9	Worker	Scenario 4	5.26E-02	9.47E-04	1.95E-03
8494	644336.2	4169848.9	Worker	Scenario 4	5.16E-02	9.24E-04	1.83E-03
8495	644436.2	4169848.9	Worker	Scenario 4	5.06E-02	9.02E-04	1.84E-03
8496	635636.2	4169948.9	Worker	Scenario 4	1.13E-02	3.02E-04	6.51E-04
8497	635736.2	4169948.9	Worker	Scenario 4	1.18E-02	3.13E-04	6.85E-04
8498	635836.2	4169948.9	Worker	Scenario 4	1.20E-02	3.19E-04	7.49E-04
8499	635936.2	4169948.9	Worker	Scenario 4	1.26E-02	3.34E-04	8.05E-04
8500	636036.2	4169948.9	Worker	Scenario 4	1.30E-02	3.45E-04	8.46E-04
8501	636136.2	4169948.9	Worker	Scenario 4	1.34E-02	3.54E-04	8.70E-04
8502	636236.2	4169948.9	Worker	Scenario 4	1.38E-02	3.66E-04	8.78E-04
8503	636336.2	4169948.9	Worker	Scenario 4	1.43E-02	3.79E-04	1.05E-03
8504	636436.2	4169948.9	Worker	Scenario 4	1.47E-02	3.89E-04	1.22E-03
8505	636536.2	4169948.9	Worker	Scenario 4	1.46E-02	3.89E-04	1.56E-03
8506	636636.2	4169948.9	Worker	Scenario 4	1.54E-02	4.09E-04	1.52E-03
8507	636736.2	4169948.9	Worker	Scenario 4	1.63E-02	4.30E-04	1.55E-03
8508	637036.2	4169948.9	Worker	Scenario 4	2.01E-02	5.29E-04	1.53E-03
8509	637136.2	4169948.9	Worker	Scenario 4	2.17E-02	5.72E-04	1.44E-03
8510	637236.2	4169948.9	Worker	Scenario 4	2.36E-02	6.24E-04	1.16E-03
8511	637336.2	4169948.9	Worker	Scenario 4	2.86E-02	7.48E-04	1.09E-03
8512	637436.2	4169948.9	Worker	Scenario 4	3.10E-02	8.13E-04	1.17E-03
8513	637536.2	4169948.9	Worker	Scenario 4	3.25E-02	8.69E-04	1.28E-03
8514	637736.2	4169948.9	Worker	Scenario 4	4.36E-02	1.18E-03	1.28E-03
8515	637836.2	4169948.9	Worker	Scenario 4	5.23E-02	1.43E-03	1.21E-03
8516	639136.2	4169948.9	Worker	Scenario 4	1.64E-01	7.12E-03	1.72E-03
8517	639236.2	4169948.9	Worker	Scenario 4	1.58E-01	6.92E-03	1.93E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8518	639336.2	4169948.9	Worker	Scenario 4	1.55E-01	6.81E-03	2.00E-03
8519	639436.2	4169948.9	Worker	Scenario 4	1.54E-01	6.81E-03	2.22E-03
8520	639536.2	4169948.9	Worker	Scenario 4	1.55E-01	7.01E-03	2.08E-03
8521	639736.2	4169948.9	Worker	Scenario 4	2.05E-01	1.12E-02	2.17E-03
8522	639836.2	4169948.9	Worker	Scenario 4	1.26E-01	4.76E-03	2.23E-03
8523	639936.2	4169948.9	Worker	Scenario 4	1.11E-01	3.54E-03	2.41E-03
8524	640036.2	4169948.9	Worker	Scenario 4	1.05E-01	3.11E-03	2.72E-03
8525	640136.2	4169948.9	Worker	Scenario 4	1.03E-01	2.92E-03	2.65E-03
8526	640236.2	4169948.9	Worker	Scenario 4	1.02E-01	2.81E-03	2.82E-03
8527	640336.2	4169948.9	Worker	Scenario 4	1.02E-01	2.75E-03	2.85E-03
8528	640436.2	4169948.9	Worker	Scenario 4	1.03E-01	2.71E-03	2.89E-03
8529	640536.2	4169948.9	Worker	Scenario 4	1.03E-01	2.69E-03	2.91E-03
8530	640636.2	4169948.9	Worker	Scenario 4	1.04E-01	2.67E-03	2.94E-03
8531	640736.2	4169948.9	Worker	Scenario 4	1.05E-01	2.67E-03	3.04E-03
8532	640836.2	4169948.9	Worker	Scenario 4	1.07E-01	2.68E-03	3.22E-03
8533	640936.2	4169948.9	Worker	Scenario 4	1.10E-01	2.73E-03	3.09E-03
8534	641036.2	4169948.9	Worker	Scenario 4	1.15E-01	2.88E-03	3.12E-03
8535	641136.2	4169948.9	Worker	Scenario 4	1.26E-01	3.26E-03	2.91E-03
8536	641236.2	4169948.9	Worker	Scenario 4	1.66E-01	4.82E-03	3.17E-03
8537	641336.2	4169948.9	Worker	Scenario 4	4.76E-01	1.63E-02	3.03E-03
8538	641436.2	4169948.9	Worker	Scenario 4	1.86E-01	4.86E-03	3.17E-03
8539	641536.2	4169948.9	Worker	Scenario 4	1.38E-01	3.21E-03	3.21E-03
8540	641636.2	4169948.9	Worker	Scenario 4	1.19E-01	2.63E-03	3.20E-03
8541	641736.2	4169948.9	Worker	Scenario 4	1.09E-01	2.34E-03	3.19E-03
8542	641836.2	4169948.9	Worker	Scenario 4	1.02E-01	2.14E-03	3.02E-03
8543	641936.2	4169948.9	Worker	Scenario 4	9.70E-02	2.00E-03	3.13E-03
8544	642036.2	4169948.9	Worker	Scenario 4	9.31E-02	1.90E-03	3.72E-03
8545	642136.2	4169948.9	Worker	Scenario 4	8.95E-02	1.80E-03	5.69E-03
8546	642236.2	4169948.9	Worker	Scenario 4	8.66E-02	1.72E-03	6.30E-03
8547	643236.2	4169948.9	Worker	Scenario 4	6.52E-02	1.21E-03	2.45E-03
8548	643336.2	4169948.9	Worker	Scenario 4	6.36E-02	1.18E-03	2.36E-03
8549	643436.2	4169948.9	Worker	Scenario 4	6.20E-02	1.15E-03	2.33E-03
8550	643536.2	4169948.9	Worker	Scenario 4	6.04E-02	1.11E-03	2.28E-03
8551	643636.2	4169948.9	Worker	Scenario 4	5.87E-02	1.08E-03	2.22E-03
8552	643736.2	4169948.9	Worker	Scenario 4	5.71E-02	1.05E-03	2.02E-03
8553	643836.2	4169948.9	Worker	Scenario 4	5.54E-02	1.02E-03	2.10E-03
8554	643936.2	4169948.9	Worker	Scenario 4	5.39E-02	9.86E-04	2.04E-03
8555	644036.2	4169948.9	Worker	Scenario 4	5.24E-02	9.58E-04	1.98E-03
8556	644236.2	4169948.9	Worker	Scenario 4	5.01E-02	9.08E-04	1.92E-03
8557	635636.2	4170048.9	Worker	Scenario 4	1.14E-02	3.03E-04	7.17E-04
8558	635736.2	4170048.9	Worker	Scenario 4	1.09E-02	2.93E-04	1.32E-03
8559	635836.2	4170048.9	Worker	Scenario 4	1.14E-02	3.06E-04	1.34E-03
8560	635936.2	4170048.9	Worker	Scenario 4	1.25E-02	3.30E-04	8.24E-04
8561	636036.2	4170048.9	Worker	Scenario 4	1.32E-02	3.47E-04	8.31E-04
8562	636136.2	4170048.9	Worker	Scenario 4	1.38E-02	3.61E-04	8.61E-04
8563	636236.2	4170048.9	Worker	Scenario 4	1.42E-02	3.73E-04	8.72E-04
8564	636336.2	4170048.9	Worker	Scenario 4	1.48E-02	3.87E-04	8.63E-04
8565	636436.2	4170048.9	Worker	Scenario 4	1.55E-02	4.06E-04	8.75E-04
8566	636536.2	4170048.9	Worker	Scenario 4	1.60E-02	4.20E-04	9.92E-04
8567	636636.2	4170048.9	Worker	Scenario 4	1.61E-02	4.23E-04	1.33E-03
8568	636936.2	4170048.9	Worker	Scenario 4	2.09E-02	5.42E-04	1.09E-03
8569	637036.2	4170048.9	Worker	Scenario 4	2.23E-02	5.79E-04	1.10E-03
8570	637136.2	4170048.9	Worker	Scenario 4	2.40E-02	6.23E-04	1.07E-03
8571	637236.2	4170048.9	Worker	Scenario 4	2.59E-02	6.75E-04	1.05E-03
8572	637336.2	4170048.9	Worker	Scenario 4	2.81E-02	7.36E-04	1.16E-03
8573	637436.2	4170048.9	Worker	Scenario 4	3.03E-02	8.02E-04	1.23E-03
8574	637636.2	4170048.9	Worker	Scenario 4	3.93E-02	1.05E-03	1.17E-03
8575	637736.2	4170048.9	Worker	Scenario 4	4.52E-02	1.22E-03	1.11E-03
8576	637836.2	4170048.9	Worker	Scenario 4	5.30E-02	1.46E-03	1.23E-03
8577	639036.2	4170048.9	Worker	Scenario 4	2.03E-01	1.10E-02	1.63E-03
8578	639136.2	4170048.9	Worker	Scenario 4	2.06E-01	1.13E-02	1.81E-03
8579	639236.2	4170048.9	Worker	Scenario 4	2.09E-01	1.17E-02	1.89E-03
8580	639336.2	4170048.9	Worker	Scenario 4	2.14E-01	1.22E-02	2.15E-03
8581	639436.2	4170048.9	Worker	Scenario 4	2.20E-01	1.28E-02	2.00E-03
8582	639536.2	4170048.9	Worker	Scenario 4	2.29E-01	1.35E-02	2.01E-03
8583	639636.2	4170048.9	Worker	Scenario 4	2.41E-01	1.45E-02	1.99E-03
8584	639736.2	4170048.9	Worker	Scenario 4	1.39E-01	6.24E-03	2.10E-03
8585	639836.2	4170048.9	Worker	Scenario 4	1.06E-01	3.57E-03	2.08E-03
8586	639936.2	4170048.9	Worker	Scenario 4	9.86E-02	2.97E-03	2.54E-03
8587	640036.2	4170048.9	Worker	Scenario 4	9.58E-02	2.72E-03	2.61E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8588	640136.2	4170048.9	Worker	Scenario 4	9.46E-02	2.59E-03	2.66E-03
8589	640236.2	4170048.9	Worker	Scenario 4	9.41E-02	2.52E-03	2.67E-03
8590	640336.2	4170048.9	Worker	Scenario 4	9.42E-02	2.48E-03	2.74E-03
8591	640436.2	4170048.9	Worker	Scenario 4	9.46E-02	2.45E-03	2.61E-03
8592	640536.2	4170048.9	Worker	Scenario 4	9.52E-02	2.43E-03	2.83E-03
8593	640636.2	4170048.9	Worker	Scenario 4	9.61E-02	2.42E-03	2.87E-03
8594	640736.2	4170048.9	Worker	Scenario 4	9.73E-02	2.42E-03	2.93E-03
8595	640836.2	4170048.9	Worker	Scenario 4	9.90E-02	2.44E-03	3.00E-03
8596	640936.2	4170048.9	Worker	Scenario 4	1.01E-01	2.48E-03	2.96E-03
8597	641036.2	4170048.9	Worker	Scenario 4	1.06E-01	2.60E-03	2.99E-03
8598	641136.2	4170048.9	Worker	Scenario 4	1.15E-01	2.93E-03	2.85E-03
8599	641236.2	4170048.9	Worker	Scenario 4	1.51E-01	4.30E-03	3.01E-03
8600	641336.2	4170048.9	Worker	Scenario 4	4.16E-01	1.38E-02	2.90E-03
8601	641436.2	4170048.9	Worker	Scenario 4	1.55E-01	3.72E-03	3.01E-03
8602	641536.2	4170048.9	Worker	Scenario 4	1.19E-01	2.66E-03	3.05E-03
8603	641636.2	4170048.9	Worker	Scenario 4	1.06E-01	2.28E-03	3.02E-03
8604	641736.2	4170048.9	Worker	Scenario 4	9.84E-02	2.08E-03	3.01E-03
8605	641836.2	4170048.9	Worker	Scenario 4	9.32E-02	1.94E-03	2.94E-03
8606	641936.2	4170048.9	Worker	Scenario 4	8.91E-02	1.84E-03	2.97E-03
8607	642036.2	4170048.9	Worker	Scenario 4	8.58E-02	1.75E-03	3.27E-03
8608	642136.2	4170048.9	Worker	Scenario 4	8.30E-02	1.67E-03	5.08E-03
8609	635736.2	4170148.9	Worker	Scenario 4	1.11E-02	2.95E-04	1.35E-03
8610	635836.2	4170148.9	Worker	Scenario 4	1.09E-02	2.92E-04	1.53E-03
8611	635936.2	4170148.9	Worker	Scenario 4	1.18E-02	3.13E-04	1.45E-03
8612	636036.2	4170148.9	Worker	Scenario 4	1.30E-02	3.42E-04	8.31E-04
8613	636136.2	4170148.9	Worker	Scenario 4	1.40E-02	3.64E-04	8.16E-04
8614	636236.2	4170148.9	Worker	Scenario 4	1.44E-02	3.75E-04	8.41E-04
8615	636336.2	4170148.9	Worker	Scenario 4	1.52E-02	3.94E-04	8.82E-04
8616	636436.2	4170148.9	Worker	Scenario 4	1.59E-02	4.13E-04	9.17E-04
8617	636536.2	4170148.9	Worker	Scenario 4	1.67E-02	4.32E-04	9.43E-04
8618	636736.2	4170148.9	Worker	Scenario 4	1.77E-02	4.62E-04	1.23E-03
8619	636836.2	4170148.9	Worker	Scenario 4	2.04E-02	5.22E-04	1.04E-03
8620	636936.2	4170148.9	Worker	Scenario 4	2.18E-02	5.58E-04	1.03E-03
8621	637036.2	4170148.9	Worker	Scenario 4	2.32E-02	5.95E-04	9.69E-04
8622	637136.2	4170148.9	Worker	Scenario 4	2.50E-02	6.41E-04	1.05E-03
8623	637236.2	4170148.9	Worker	Scenario 4	2.70E-02	6.97E-04	1.14E-03
8624	637336.2	4170148.9	Worker	Scenario 4	2.87E-02	7.46E-04	1.18E-03
8625	637636.2	4170148.9	Worker	Scenario 4	3.95E-02	1.06E-03	1.05E-03
8626	637736.2	4170148.9	Worker	Scenario 4	4.47E-02	1.21E-03	1.21E-03
8627	637836.2	4170148.9	Worker	Scenario 4	5.15E-02	1.43E-03	1.32E-03
8628	639036.2	4170148.9	Worker	Scenario 4	1.08E-01	3.95E-03	1.70E-03
8629	639136.2	4170148.9	Worker	Scenario 4	1.07E-01	3.94E-03	1.80E-03
8630	639236.2	4170148.9	Worker	Scenario 4	1.06E-01	3.95E-03	2.07E-03
8631	639336.2	4170148.9	Worker	Scenario 4	1.06E-01	3.98E-03	2.03E-03
8632	639436.2	4170148.9	Worker	Scenario 4	1.07E-01	4.03E-03	1.92E-03
8633	639536.2	4170148.9	Worker	Scenario 4	1.07E-01	4.03E-03	1.94E-03
8634	639636.2	4170148.9	Worker	Scenario 4	1.03E-01	3.76E-03	2.00E-03
8635	639736.2	4170148.9	Worker	Scenario 4	9.58E-02	3.16E-03	2.01E-03
8636	639836.2	4170148.9	Worker	Scenario 4	9.08E-02	2.73E-03	2.26E-03
8637	639936.2	4170148.9	Worker	Scenario 4	8.85E-02	2.51E-03	2.45E-03
8638	640036.2	4170148.9	Worker	Scenario 4	8.73E-02	2.39E-03	2.38E-03
8639	640136.2	4170148.9	Worker	Scenario 4	8.69E-02	2.32E-03	2.54E-03
8640	640236.2	4170148.9	Worker	Scenario 4	8.69E-02	2.27E-03	2.54E-03
8641	640336.2	4170148.9	Worker	Scenario 4	8.71E-02	2.24E-03	2.63E-03
8642	640436.2	4170148.9	Worker	Scenario 4	8.76E-02	2.22E-03	2.48E-03
8643	640536.2	4170148.9	Worker	Scenario 4	8.81E-02	2.21E-03	2.65E-03
8644	640636.2	4170148.9	Worker	Scenario 4	8.90E-02	2.20E-03	2.71E-03
8645	640736.2	4170148.9	Worker	Scenario 4	9.00E-02	2.20E-03	2.85E-03
8646	640836.2	4170148.9	Worker	Scenario 4	9.14E-02	2.22E-03	2.79E-03
8647	640936.2	4170148.9	Worker	Scenario 4	9.35E-02	2.26E-03	2.81E-03
8648	641036.2	4170148.9	Worker	Scenario 4	9.69E-02	2.34E-03	2.83E-03
8649	641136.2	4170148.9	Worker	Scenario 4	1.04E-01	2.55E-03	2.77E-03
8650	641236.2	4170148.9	Worker	Scenario 4	1.20E-01	3.11E-03	2.85E-03
8651	641336.2	4170148.9	Worker	Scenario 4	1.27E-01	3.23E-03	2.78E-03
8652	641436.2	4170148.9	Worker	Scenario 4	1.08E-01	2.48E-03	2.87E-03
8653	641536.2	4170148.9	Worker	Scenario 4	9.86E-02	2.16E-03	2.91E-03
8654	641636.2	4170148.9	Worker	Scenario 4	9.26E-02	1.98E-03	2.89E-03
8655	641736.2	4170148.9	Worker	Scenario 4	8.83E-02	1.86E-03	2.87E-03
8656	641836.2	4170148.9	Worker	Scenario 4	8.48E-02	1.76E-03	2.85E-03
8657	641936.2	4170148.9	Worker	Scenario 4	8.18E-02	1.68E-03	2.79E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8658	642036.2	4170148.9	Worker	Scenario 4	7.91E-02	1.61E-03	2.95E-03
8659	642436.2	4170148.9	Worker	Scenario 4	7.13E-02	1.39E-03	4.06E-03
8660	642536.2	4170148.9	Worker	Scenario 4	6.95E-02	1.34E-03	2.51E-03
8661	642636.2	4170148.9	Worker	Scenario 4	6.77E-02	1.30E-03	2.53E-03
8662	642736.2	4170148.9	Worker	Scenario 4	6.58E-02	1.26E-03	2.44E-03
8663	642836.2	4170148.9	Worker	Scenario 4	6.40E-02	1.22E-03	2.47E-03
8664	642936.2	4170148.9	Worker	Scenario 4	6.25E-02	1.19E-03	2.81E-03
8665	643036.2	4170148.9	Worker	Scenario 4	6.11E-02	1.15E-03	3.00E-03
8666	643136.2	4170148.9	Worker	Scenario 4	5.97E-02	1.12E-03	2.69E-03
8667	643236.2	4170148.9	Worker	Scenario 4	5.84E-02	1.10E-03	2.29E-03
8668	643336.2	4170148.9	Worker	Scenario 4	5.71E-02	1.07E-03	2.20E-03
8669	635836.2	4170248.9	Worker	Scenario 4	1.12E-02	2.96E-04	1.50E-03
8670	635936.2	4170248.9	Worker	Scenario 4	1.13E-02	3.00E-04	1.62E-03
8671	636036.2	4170248.9	Worker	Scenario 4	1.22E-02	3.22E-04	1.45E-03
8672	636136.2	4170248.9	Worker	Scenario 4	1.35E-02	3.51E-04	9.85E-04
8673	636236.2	4170248.9	Worker	Scenario 4	1.53E-02	3.91E-04	8.53E-04
8674	636336.2	4170248.9	Worker	Scenario 4	1.55E-02	3.99E-04	9.06E-04
8675	636636.2	4170248.9	Worker	Scenario 4	1.74E-02	4.47E-04	9.93E-04
8676	636736.2	4170248.9	Worker	Scenario 4	1.91E-02	4.88E-04	9.88E-04
8677	636836.2	4170248.9	Worker	Scenario 4	2.08E-02	5.28E-04	9.46E-04
8678	636936.2	4170248.9	Worker	Scenario 4	2.23E-02	5.68E-04	9.48E-04
8679	637036.2	4170248.9	Worker	Scenario 4	2.37E-02	6.06E-04	1.05E-03
8680	637136.2	4170248.9	Worker	Scenario 4	2.53E-02	6.51E-04	1.10E-03
8681	637236.2	4170248.9	Worker	Scenario 4	2.69E-02	6.95E-04	1.12E-03
8682	637536.2	4170248.9	Worker	Scenario 4	3.54E-02	9.36E-04	1.05E-03
8683	637636.2	4170248.9	Worker	Scenario 4	3.92E-02	1.05E-03	1.19E-03
8684	637736.2	4170248.9	Worker	Scenario 4	4.38E-02	1.19E-03	1.27E-03
8685	637836.2	4170248.9	Worker	Scenario 4	4.95E-02	1.37E-03	1.27E-03
8686	637936.2	4170248.9	Worker	Scenario 4	5.63E-02	1.62E-03	1.29E-03
8687	638036.2	4170248.9	Worker	Scenario 4	6.39E-02	1.89E-03	1.34E-03
8688	638936.2	4170248.9	Worker	Scenario 4	8.81E-02	2.86E-03	1.59E-03
8689	639036.2	4170248.9	Worker	Scenario 4	8.77E-02	2.84E-03	1.71E-03
8690	639136.2	4170248.9	Worker	Scenario 4	8.75E-02	2.84E-03	1.97E-03
8691	639236.2	4170248.9	Worker	Scenario 4	8.76E-02	2.85E-03	2.03E-03
8692	639336.2	4170248.9	Worker	Scenario 4	8.75E-02	2.86E-03	1.82E-03
8693	639436.2	4170248.9	Worker	Scenario 4	8.55E-02	2.79E-03	1.83E-03
8694	639536.2	4170248.9	Worker	Scenario 4	8.67E-02	2.78E-03	1.87E-03
8695	639636.2	4170248.9	Worker	Scenario 4	8.50E-02	2.63E-03	1.91E-03
8696	639736.2	4170248.9	Worker	Scenario 4	8.32E-02	2.46E-03	1.93E-03
8697	639836.2	4170248.9	Worker	Scenario 4	8.17E-02	2.31E-03	2.33E-03
8698	639936.2	4170248.9	Worker	Scenario 4	8.09E-02	2.21E-03	2.37E-03
8699	640036.2	4170248.9	Worker	Scenario 4	8.04E-02	2.14E-03	2.41E-03
8700	640136.2	4170248.9	Worker	Scenario 4	8.03E-02	2.09E-03	2.44E-03
8701	640236.2	4170248.9	Worker	Scenario 4	8.05E-02	2.06E-03	2.50E-03
8702	640336.2	4170248.9	Worker	Scenario 4	8.09E-02	2.04E-03	2.45E-03
8703	640436.2	4170248.9	Worker	Scenario 4	8.14E-02	2.03E-03	2.52E-03
8704	640536.2	4170248.9	Worker	Scenario 4	8.20E-02	2.02E-03	2.51E-03
8705	640636.2	4170248.9	Worker	Scenario 4	8.28E-02	2.02E-03	2.62E-03
8706	640736.2	4170248.9	Worker	Scenario 4	8.37E-02	2.02E-03	2.77E-03
8707	640836.2	4170248.9	Worker	Scenario 4	8.49E-02	2.03E-03	2.66E-03
8708	640936.2	4170248.9	Worker	Scenario 4	8.65E-02	2.06E-03	2.64E-03
8709	641036.2	4170248.9	Worker	Scenario 4	8.88E-02	2.11E-03	2.67E-03
8710	641136.2	4170248.9	Worker	Scenario 4	9.19E-02	2.18E-03	2.68E-03
8711	641236.2	4170248.9	Worker	Scenario 4	9.45E-02	2.23E-03	2.70E-03
8712	641336.2	4170248.9	Worker	Scenario 4	9.30E-02	2.14E-03	2.66E-03
8713	641436.2	4170248.9	Worker	Scenario 4	8.90E-02	1.99E-03	2.74E-03
8714	641536.2	4170248.9	Worker	Scenario 4	8.54E-02	1.86E-03	2.78E-03
8715	641636.2	4170248.9	Worker	Scenario 4	8.24E-02	1.76E-03	2.77E-03
8716	641736.2	4170248.9	Worker	Scenario 4	7.98E-02	1.68E-03	2.75E-03
8717	641836.2	4170248.9	Worker	Scenario 4	7.76E-02	1.61E-03	2.74E-03
8718	641936.2	4170248.9	Worker	Scenario 4	7.54E-02	1.55E-03	2.60E-03
8719	642036.2	4170248.9	Worker	Scenario 4	7.33E-02	1.50E-03	2.69E-03
8720	642136.2	4170248.9	Worker	Scenario 4	7.14E-02	1.44E-03	3.88E-03
8721	642236.2	4170248.9	Worker	Scenario 4	6.97E-02	1.40E-03	5.40E-03
8722	642336.2	4170248.9	Worker	Scenario 4	6.82E-02	1.35E-03	5.66E-03
8723	642436.2	4170248.9	Worker	Scenario 4	6.68E-02	1.31E-03	4.49E-03
8724	642536.2	4170248.9	Worker	Scenario 4	6.53E-02	1.27E-03	2.90E-03
8725	642636.2	4170248.9	Worker	Scenario 4	6.37E-02	1.23E-03	2.28E-03
8726	642736.2	4170248.9	Worker	Scenario 4	6.21E-02	1.19E-03	2.39E-03
8727	642836.2	4170248.9	Worker	Scenario 4	6.05E-02	1.15E-03	2.37E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8728	642936.2	4170248.9	Worker	Scenario 4	5.91E-02	1.12E-03	2.46E-03
8729	643036.2	4170248.9	Worker	Scenario 4	5.79E-02	1.10E-03	2.88E-03
8730	643136.2	4170248.9	Worker	Scenario 4	5.66E-02	1.07E-03	2.84E-03
8731	643236.2	4170248.9	Worker	Scenario 4	5.54E-02	1.04E-03	2.39E-03
8732	643336.2	4170248.9	Worker	Scenario 4	5.42E-02	1.02E-03	2.10E-03
8733	635636.2	4170348.9	Worker	Scenario 4	1.09E-02	2.85E-04	1.34E-03
8734	635936.2	4170348.9	Worker	Scenario 4	1.19E-02	3.12E-04	1.41E-03
8735	636036.2	4170348.9	Worker	Scenario 4	1.19E-02	3.14E-04	1.64E-03
8736	636136.2	4170348.9	Worker	Scenario 4	1.32E-02	3.43E-04	1.30E-03
8737	636236.2	4170348.9	Worker	Scenario 4	1.48E-02	3.79E-04	9.10E-04
8738	636536.2	4170348.9	Worker	Scenario 4	1.71E-02	4.37E-04	9.46E-04
8739	636636.2	4170348.9	Worker	Scenario 4	1.80E-02	4.60E-04	9.23E-04
8740	636736.2	4170348.9	Worker	Scenario 4	1.93E-02	4.90E-04	8.65E-04
8741	636836.2	4170348.9	Worker	Scenario 4	2.07E-02	5.24E-04	9.62E-04
8742	636936.2	4170348.9	Worker	Scenario 4	2.23E-02	5.67E-04	1.03E-03
8743	637036.2	4170348.9	Worker	Scenario 4	2.39E-02	6.11E-04	1.06E-03
8744	637136.2	4170348.9	Worker	Scenario 4	2.54E-02	6.52E-04	1.04E-03
8745	637236.2	4170348.9	Worker	Scenario 4	2.68E-02	6.92E-04	9.88E-04
8746	637436.2	4170348.9	Worker	Scenario 4	3.08E-02	8.09E-04	1.07E-03
8747	637536.2	4170348.9	Worker	Scenario 4	3.48E-02	9.25E-04	1.15E-03
8748	637636.2	4170348.9	Worker	Scenario 4	3.86E-02	1.03E-03	1.21E-03
8749	637736.2	4170348.9	Worker	Scenario 4	4.26E-02	1.16E-03	1.19E-03
8750	637836.2	4170348.9	Worker	Scenario 4	4.72E-02	1.31E-03	1.24E-03
8751	637936.2	4170348.9	Worker	Scenario 4	5.22E-02	1.48E-03	1.27E-03
8752	638036.2	4170348.9	Worker	Scenario 4	5.74E-02	1.65E-03	1.32E-03
8753	638136.2	4170348.9	Worker	Scenario 4	6.16E-02	1.82E-03	1.35E-03
8754	638236.2	4170348.9	Worker	Scenario 4	6.36E-02	1.90E-03	1.29E-03
8755	638336.2	4170348.9	Worker	Scenario 4	6.83E-02	2.07E-03	1.41E-03
8756	638436.2	4170348.9	Worker	Scenario 4	7.29E-02	2.20E-03	1.46E-03
8757	638736.2	4170348.9	Worker	Scenario 4	7.61E-02	2.31E-03	1.41E-03
8758	638836.2	4170348.9	Worker	Scenario 4	7.64E-02	2.32E-03	1.49E-03
8759	638936.2	4170348.9	Worker	Scenario 4	7.66E-02	2.33E-03	1.63E-03
8760	639036.2	4170348.9	Worker	Scenario 4	7.66E-02	2.33E-03	1.87E-03
8761	639136.2	4170348.9	Worker	Scenario 4	7.68E-02	2.34E-03	2.00E-03
8762	639236.2	4170348.9	Worker	Scenario 4	7.53E-02	2.30E-03	1.72E-03
8763	639336.2	4170348.9	Worker	Scenario 4	7.51E-02	2.28E-03	1.72E-03
8764	639436.2	4170348.9	Worker	Scenario 4	7.49E-02	2.25E-03	1.68E-03
8765	639536.2	4170348.9	Worker	Scenario 4	7.66E-02	2.26E-03	1.83E-03
8766	639636.2	4170348.9	Worker	Scenario 4	7.60E-02	2.18E-03	1.81E-03
8767	639736.2	4170348.9	Worker	Scenario 4	7.54E-02	2.11E-03	2.12E-03
8768	639836.2	4170348.9	Worker	Scenario 4	7.50E-02	2.04E-03	2.23E-03
8769	639936.2	4170348.9	Worker	Scenario 4	7.47E-02	1.99E-03	2.17E-03
8770	640036.2	4170348.9	Worker	Scenario 4	7.46E-02	1.95E-03	2.30E-03
8771	640136.2	4170348.9	Worker	Scenario 4	7.47E-02	1.91E-03	2.27E-03
8772	640236.2	4170348.9	Worker	Scenario 4	7.50E-02	1.89E-03	2.38E-03
8773	640336.2	4170348.9	Worker	Scenario 4	7.54E-02	1.88E-03	2.19E-03
8774	640436.2	4170348.9	Worker	Scenario 4	7.59E-02	1.87E-03	2.46E-03
8775	640536.2	4170348.9	Worker	Scenario 4	7.65E-02	1.86E-03	2.48E-03
8776	640636.2	4170348.9	Worker	Scenario 4	7.72E-02	1.86E-03	2.48E-03
8777	640736.2	4170348.9	Worker	Scenario 4	7.80E-02	1.86E-03	2.64E-03
8778	640836.2	4170348.9	Worker	Scenario 4	7.90E-02	1.87E-03	2.55E-03
8779	640936.2	4170348.9	Worker	Scenario 4	8.00E-02	1.88E-03	2.45E-03
8780	641036.2	4170348.9	Worker	Scenario 4	8.12E-02	1.89E-03	2.50E-03
8781	641136.2	4170348.9	Worker	Scenario 4	8.21E-02	1.89E-03	2.58E-03
8782	641236.2	4170348.9	Worker	Scenario 4	8.21E-02	1.86E-03	2.57E-03
8783	641336.2	4170348.9	Worker	Scenario 4	8.10E-02	1.81E-03	2.56E-03
8784	641436.2	4170348.9	Worker	Scenario 4	7.90E-02	1.73E-03	2.62E-03
8785	641536.2	4170348.9	Worker	Scenario 4	7.71E-02	1.66E-03	2.66E-03
8786	641636.2	4170348.9	Worker	Scenario 4	7.51E-02	1.59E-03	2.65E-03
8787	641736.2	4170348.9	Worker	Scenario 4	7.34E-02	1.54E-03	2.64E-03
8788	641836.2	4170348.9	Worker	Scenario 4	7.17E-02	1.49E-03	2.62E-03
8789	641936.2	4170348.9	Worker	Scenario 4	7.01E-02	1.44E-03	2.41E-03
8790	642036.2	4170348.9	Worker	Scenario 4	6.83E-02	1.40E-03	2.58E-03
8791	642136.2	4170348.9	Worker	Scenario 4	6.68E-02	1.35E-03	3.34E-03
8792	642236.2	4170348.9	Worker	Scenario 4	6.54E-02	1.31E-03	4.94E-03
8793	642336.2	4170348.9	Worker	Scenario 4	6.41E-02	1.27E-03	5.59E-03
8794	642436.2	4170348.9	Worker	Scenario 4	6.28E-02	1.24E-03	4.83E-03
8795	642536.2	4170348.9	Worker	Scenario 4	6.15E-02	1.20E-03	3.26E-03
8796	642636.2	4170348.9	Worker	Scenario 4	6.01E-02	1.16E-03	2.17E-03
8797	642736.2	4170348.9	Worker	Scenario 4	5.87E-02	1.13E-03	2.33E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8798	642836.2	4170348.9	Worker	Scenario 4	5.73E-02	1.10E-03	2.24E-03
8799	642936.2	4170348.9	Worker	Scenario 4	5.61E-02	1.07E-03	2.28E-03
8800	643036.2	4170348.9	Worker	Scenario 4	5.48E-02	1.04E-03	2.63E-03
8801	643136.2	4170348.9	Worker	Scenario 4	5.37E-02	1.02E-03	2.84E-03
8802	643236.2	4170348.9	Worker	Scenario 4	5.27E-02	9.94E-04	2.61E-03
8803	643336.2	4170348.9	Worker	Scenario 4	5.16E-02	9.71E-04	2.14E-03
8804	643436.2	4170348.9	Worker	Scenario 4	5.06E-02	9.50E-04	1.97E-03
8805	643536.2	4170348.9	Worker	Scenario 4	4.96E-02	9.30E-04	1.98E-03
8806	643636.2	4170348.9	Worker	Scenario 4	4.86E-02	9.09E-04	1.95E-03
8807	635636.2	4170448.9	Worker	Scenario 4	1.10E-02	2.88E-04	1.23E-03
8808	635836.2	4170448.9	Worker	Scenario 4	1.19E-02	3.10E-04	1.21E-03
8809	636036.2	4170448.9	Worker	Scenario 4	1.30E-02	3.34E-04	1.28E-03
8810	636336.2	4170448.9	Worker	Scenario 4	1.55E-02	3.96E-04	9.03E-04
8811	636436.2	4170448.9	Worker	Scenario 4	1.67E-02	4.23E-04	8.91E-04
8812	636536.2	4170448.9	Worker	Scenario 4	1.75E-02	4.43E-04	8.50E-04
8813	636636.2	4170448.9	Worker	Scenario 4	1.83E-02	4.64E-04	8.76E-04
8814	636736.2	4170448.9	Worker	Scenario 4	1.94E-02	4.91E-04	9.59E-04
8815	636836.2	4170448.9	Worker	Scenario 4	2.08E-02	5.26E-04	1.01E-03
8816	636936.2	4170448.9	Worker	Scenario 4	2.23E-02	5.65E-04	1.01E-03
8817	637036.2	4170448.9	Worker	Scenario 4	2.38E-02	6.09E-04	9.74E-04
8818	637136.2	4170448.9	Worker	Scenario 4	2.56E-02	6.60E-04	9.22E-04
8819	637436.2	4170448.9	Worker	Scenario 4	3.20E-02	8.40E-04	1.13E-03
8820	637536.2	4170448.9	Worker	Scenario 4	3.47E-02	9.17E-04	1.16E-03
8821	637636.2	4170448.9	Worker	Scenario 4	3.77E-02	1.01E-03	1.12E-03
8822	637736.2	4170448.9	Worker	Scenario 4	4.11E-02	1.12E-03	1.20E-03
8823	637836.2	4170448.9	Worker	Scenario 4	4.48E-02	1.23E-03	1.22E-03
8824	637936.2	4170448.9	Worker	Scenario 4	4.86E-02	1.36E-03	1.25E-03
8825	638036.2	4170448.9	Worker	Scenario 4	5.25E-02	1.48E-03	1.31E-03
8826	638136.2	4170448.9	Worker	Scenario 4	5.36E-02	1.55E-03	1.23E-03
8827	638236.2	4170448.9	Worker	Scenario 4	5.48E-02	1.59E-03	1.29E-03
8828	638336.2	4170448.9	Worker	Scenario 4	6.20E-02	1.79E-03	1.40E-03
8829	638636.2	4170448.9	Worker	Scenario 4	6.67E-02	1.94E-03	1.38E-03
8830	638736.2	4170448.9	Worker	Scenario 4	6.51E-02	1.91E-03	1.36E-03
8831	638836.2	4170448.9	Worker	Scenario 4	6.56E-02	1.92E-03	1.51E-03
8832	638936.2	4170448.9	Worker	Scenario 4	6.36E-02	1.86E-03	1.64E-03
8833	639036.2	4170448.9	Worker	Scenario 4	6.41E-02	1.88E-03	1.83E-03
8834	639136.2	4170448.9	Worker	Scenario 4	6.46E-02	1.89E-03	1.68E-03
8835	639236.2	4170448.9	Worker	Scenario 4	6.54E-02	1.90E-03	1.59E-03
8836	639336.2	4170448.9	Worker	Scenario 4	6.46E-02	1.86E-03	1.57E-03
8837	639436.2	4170448.9	Worker	Scenario 4	6.63E-02	1.89E-03	1.67E-03
8838	639536.2	4170448.9	Worker	Scenario 4	6.99E-02	1.96E-03	1.76E-03
8839	639636.2	4170448.9	Worker	Scenario 4	6.97E-02	1.92E-03	1.85E-03
8840	639736.2	4170448.9	Worker	Scenario 4	6.96E-02	1.88E-03	2.15E-03
8841	639836.2	4170448.9	Worker	Scenario 4	6.96E-02	1.84E-03	2.17E-03
8842	639936.2	4170448.9	Worker	Scenario 4	6.96E-02	1.81E-03	2.21E-03
8843	640036.2	4170448.9	Worker	Scenario 4	6.97E-02	1.78E-03	2.24E-03
8844	640136.2	4170448.9	Worker	Scenario 4	6.99E-02	1.76E-03	2.27E-03
8845	640236.2	4170448.9	Worker	Scenario 4	7.02E-02	1.75E-03	2.28E-03
8846	640336.2	4170448.9	Worker	Scenario 4	7.06E-02	1.74E-03	2.20E-03
8847	640436.2	4170448.9	Worker	Scenario 4	7.11E-02	1.73E-03	2.31E-03
8848	640536.2	4170448.9	Worker	Scenario 4	7.17E-02	1.72E-03	2.37E-03
8849	640636.2	4170448.9	Worker	Scenario 4	7.23E-02	1.72E-03	2.43E-03
8850	640736.2	4170448.9	Worker	Scenario 4	7.29E-02	1.72E-03	2.47E-03
8851	640836.2	4170448.9	Worker	Scenario 4	7.36E-02	1.72E-03	2.41E-03
8852	640936.2	4170448.9	Worker	Scenario 4	7.42E-02	1.72E-03	2.38E-03
8853	641036.2	4170448.9	Worker	Scenario 4	7.45E-02	1.70E-03	2.32E-03
8854	641136.2	4170448.9	Worker	Scenario 4	7.46E-02	1.68E-03	2.47E-03
8855	641236.2	4170448.9	Worker	Scenario 4	7.42E-02	1.65E-03	2.47E-03
8856	641336.2	4170448.9	Worker	Scenario 4	7.33E-02	1.61E-03	2.46E-03
8857	641436.2	4170448.9	Worker	Scenario 4	7.21E-02	1.56E-03	2.51E-03
8858	641536.2	4170448.9	Worker	Scenario 4	7.07E-02	1.51E-03	2.54E-03
8859	641636.2	4170448.9	Worker	Scenario 4	6.94E-02	1.46E-03	2.54E-03
8860	641736.2	4170448.9	Worker	Scenario 4	6.80E-02	1.42E-03	2.52E-03
8861	641836.2	4170448.9	Worker	Scenario 4	6.67E-02	1.38E-03	2.50E-03
8862	641936.2	4170448.9	Worker	Scenario 4	6.54E-02	1.34E-03	2.25E-03
8863	642036.2	4170448.9	Worker	Scenario 4	6.41E-02	1.31E-03	2.46E-03
8864	642136.2	4170448.9	Worker	Scenario 4	6.27E-02	1.27E-03	2.89E-03
8865	642236.2	4170448.9	Worker	Scenario 4	6.15E-02	1.24E-03	4.46E-03
8866	642336.2	4170448.9	Worker	Scenario 4	6.04E-02	1.20E-03	5.40E-03
8867	642436.2	4170448.9	Worker	Scenario 4	5.92E-02	1.17E-03	5.05E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8868	642536.2	4170448.9	Worker	Scenario 4	5.80E-02	1.14E-03	3.70E-03
8869	642636.2	4170448.9	Worker	Scenario 4	5.68E-02	1.10E-03	2.41E-03
8870	642736.2	4170448.9	Worker	Scenario 4	5.56E-02	1.07E-03	2.15E-03
8871	642836.2	4170448.9	Worker	Scenario 4	5.44E-02	1.04E-03	2.15E-03
8872	642936.2	4170448.9	Worker	Scenario 4	5.31E-02	1.02E-03	2.17E-03
8873	643036.2	4170448.9	Worker	Scenario 4	5.21E-02	9.91E-04	2.30E-03
8874	643136.2	4170448.9	Worker	Scenario 4	5.11E-02	9.70E-04	2.70E-03
8875	643236.2	4170448.9	Worker	Scenario 4	5.01E-02	9.48E-04	2.72E-03
8876	643336.2	4170448.9	Worker	Scenario 4	4.91E-02	9.27E-04	2.35E-03
8877	643436.2	4170448.9	Worker	Scenario 4	4.82E-02	9.08E-04	2.00E-03
8878	643536.2	4170448.9	Worker	Scenario 4	4.73E-02	8.89E-04	1.92E-03
8879	635836.2	4170548.9	Worker	Scenario 4	1.21E-02	3.12E-04	1.19E-03
8880	635936.2	4170548.9	Worker	Scenario 4	1.27E-02	3.25E-04	1.30E-03
8881	636236.2	4170548.9	Worker	Scenario 4	1.49E-02	3.78E-04	8.92E-04
8882	636336.2	4170548.9	Worker	Scenario 4	1.57E-02	3.98E-04	8.30E-04
8883	636436.2	4170548.9	Worker	Scenario 4	1.64E-02	4.15E-04	8.02E-04
8884	636536.2	4170548.9	Worker	Scenario 4	1.75E-02	4.42E-04	8.81E-04
8885	636636.2	4170548.9	Worker	Scenario 4	1.85E-02	4.68E-04	9.45E-04
8886	636736.2	4170548.9	Worker	Scenario 4	1.93E-02	4.91E-04	9.73E-04
8887	636836.2	4170548.9	Worker	Scenario 4	2.09E-02	5.31E-04	9.59E-04
8888	636936.2	4170548.9	Worker	Scenario 4	2.24E-02	5.70E-04	9.03E-04
8889	637036.2	4170548.9	Worker	Scenario 4	2.40E-02	6.15E-04	8.67E-04
8890	637136.2	4170548.9	Worker	Scenario 4	2.51E-02	6.48E-04	9.25E-04
8891	637336.2	4170548.9	Worker	Scenario 4	2.85E-02	7.45E-04	1.11E-03
8892	637436.2	4170548.9	Worker	Scenario 4	3.16E-02	8.31E-04	1.10E-03
8893	637536.2	4170548.9	Worker	Scenario 4	3.40E-02	8.99E-04	1.09E-03
8894	637636.2	4170548.9	Worker	Scenario 4	3.66E-02	9.80E-04	1.16E-03
8895	637736.2	4170548.9	Worker	Scenario 4	3.96E-02	1.07E-03	1.18E-03
8896	637836.2	4170548.9	Worker	Scenario 4	4.26E-02	1.16E-03	1.21E-03
8897	637936.2	4170548.9	Worker	Scenario 4	4.56E-02	1.26E-03	1.25E-03
8898	638036.2	4170548.9	Worker	Scenario 4	4.87E-02	1.35E-03	1.22E-03
8899	638136.2	4170548.9	Worker	Scenario 4	4.87E-02	1.38E-03	1.26E-03
8900	638236.2	4170548.9	Worker	Scenario 4	5.03E-02	1.43E-03	1.27E-03
8901	638336.2	4170548.9	Worker	Scenario 4	5.61E-02	1.58E-03	1.36E-03
8902	638536.2	4170548.9	Worker	Scenario 4	5.94E-02	1.68E-03	1.36E-03
8903	638636.2	4170548.9	Worker	Scenario 4	5.85E-02	1.67E-03	1.28E-03
8904	638736.2	4170548.9	Worker	Scenario 4	5.91E-02	1.68E-03	1.44E-03
8905	638836.2	4170548.9	Worker	Scenario 4	6.01E-02	1.71E-03	1.60E-03
8906	638936.2	4170548.9	Worker	Scenario 4	5.83E-02	1.66E-03	1.77E-03
8907	639036.2	4170548.9	Worker	Scenario 4	5.90E-02	1.68E-03	1.71E-03
8908	639136.2	4170548.9	Worker	Scenario 4	5.96E-02	1.69E-03	1.52E-03
8909	639236.2	4170548.9	Worker	Scenario 4	5.87E-02	1.65E-03	1.51E-03
8910	639336.2	4170548.9	Worker	Scenario 4	6.00E-02	1.67E-03	1.53E-03
8911	639436.2	4170548.9	Worker	Scenario 4	6.45E-02	1.77E-03	1.67E-03
8912	639536.2	4170548.9	Worker	Scenario 4	6.46E-02	1.75E-03	1.65E-03
8913	639636.2	4170548.9	Worker	Scenario 4	6.47E-02	1.73E-03	1.99E-03
8914	639736.2	4170548.9	Worker	Scenario 4	6.48E-02	1.71E-03	2.06E-03
8915	639836.2	4170548.9	Worker	Scenario 4	6.50E-02	1.69E-03	2.00E-03
8916	639936.2	4170548.9	Worker	Scenario 4	6.52E-02	1.67E-03	2.11E-03
8917	640036.2	4170548.9	Worker	Scenario 4	6.54E-02	1.65E-03	2.06E-03
8918	640136.2	4170548.9	Worker	Scenario 4	6.57E-02	1.63E-03	2.18E-03
8919	640236.2	4170548.9	Worker	Scenario 4	6.60E-02	1.62E-03	2.10E-03
8920	640336.2	4170548.9	Worker	Scenario 4	6.63E-02	1.61E-03	2.22E-03
8921	640436.2	4170548.9	Worker	Scenario 4	6.68E-02	1.61E-03	2.18E-03
8922	640536.2	4170548.9	Worker	Scenario 4	6.72E-02	1.60E-03	2.28E-03
8923	640636.2	4170548.9	Worker	Scenario 4	6.78E-02	1.60E-03	2.38E-03
8924	640736.2	4170548.9	Worker	Scenario 4	6.83E-02	1.60E-03	2.33E-03
8925	640836.2	4170548.9	Worker	Scenario 4	6.87E-02	1.59E-03	2.34E-03
8926	640936.2	4170548.9	Worker	Scenario 4	6.89E-02	1.58E-03	2.33E-03
8927	641036.2	4170548.9	Worker	Scenario 4	6.90E-02	1.56E-03	2.23E-03
8928	641136.2	4170548.9	Worker	Scenario 4	6.88E-02	1.53E-03	2.37E-03
8929	641236.2	4170548.9	Worker	Scenario 4	6.81E-02	1.50E-03	2.37E-03
8930	641336.2	4170548.9	Worker	Scenario 4	6.75E-02	1.47E-03	2.36E-03
8931	641436.2	4170548.9	Worker	Scenario 4	6.66E-02	1.43E-03	2.40E-03
8932	641536.2	4170548.9	Worker	Scenario 4	6.55E-02	1.39E-03	2.44E-03
8933	641636.2	4170548.9	Worker	Scenario 4	6.45E-02	1.35E-03	2.44E-03
8934	641736.2	4170548.9	Worker	Scenario 4	6.35E-02	1.32E-03	2.41E-03
8935	641836.2	4170548.9	Worker	Scenario 4	6.25E-02	1.29E-03	2.37E-03
8936	641936.2	4170548.9	Worker	Scenario 4	6.13E-02	1.26E-03	2.19E-03
8937	642036.2	4170548.9	Worker	Scenario 4	6.03E-02	1.23E-03	2.37E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
8938	642136.2	4170548.9	Worker	Scenario 4	5.92E-02	1.20E-03	2.60E-03
8939	642236.2	4170548.9	Worker	Scenario 4	5.81E-02	1.17E-03	3.97E-03
8940	642336.2	4170548.9	Worker	Scenario 4	5.71E-02	1.14E-03	5.12E-03
8941	642436.2	4170548.9	Worker	Scenario 4	5.60E-02	1.11E-03	5.15E-03
8942	642536.2	4170548.9	Worker	Scenario 4	5.49E-02	1.08E-03	4.08E-03
8943	642636.2	4170548.9	Worker	Scenario 4	5.38E-02	1.05E-03	2.73E-03
8944	642736.2	4170548.9	Worker	Scenario 4	5.27E-02	1.02E-03	1.97E-03
8945	642836.2	4170548.9	Worker	Scenario 4	5.17E-02	9.95E-04	2.14E-03
8946	642936.2	4170548.9	Worker	Scenario 4	5.05E-02	9.68E-04	2.07E-03
8947	643036.2	4170548.9	Worker	Scenario 4	4.96E-02	9.45E-04	2.10E-03
8948	643136.2	4170548.9	Worker	Scenario 4	4.87E-02	9.25E-04	2.47E-03
8949	643236.2	4170548.9	Worker	Scenario 4	4.78E-02	9.06E-04	2.69E-03
8950	643336.2	4170548.9	Worker	Scenario 4	4.69E-02	8.86E-04	2.53E-03
8951	643436.2	4170548.9	Worker	Scenario 4	4.60E-02	8.68E-04	2.08E-03
8952	643536.2	4170548.9	Worker	Scenario 4	4.52E-02	8.51E-04	1.84E-03
8953	635736.2	4170648.9	Worker	Scenario 4	1.19E-02	3.03E-04	1.23E-03
8954	635836.2	4170648.9	Worker	Scenario 4	1.24E-02	3.15E-04	1.31E-03
8955	636236.2	4170648.9	Worker	Scenario 4	1.49E-02	3.78E-04	8.16E-04
8956	636336.2	4170648.9	Worker	Scenario 4	1.57E-02	3.97E-04	8.06E-04
8957	636436.2	4170648.9	Worker	Scenario 4	1.65E-02	4.17E-04	8.78E-04
8958	636536.2	4170648.9	Worker	Scenario 4	1.85E-02	4.65E-04	9.14E-04
8959	636636.2	4170648.9	Worker	Scenario 4	1.93E-02	4.87E-04	9.24E-04
8960	636736.2	4170648.9	Worker	Scenario 4	1.95E-02	4.95E-04	9.00E-04
8961	636836.2	4170648.9	Worker	Scenario 4	2.10E-02	5.35E-04	8.49E-04
8962	636936.2	4170648.9	Worker	Scenario 4	2.20E-02	5.64E-04	8.25E-04
8963	637036.2	4170648.9	Worker	Scenario 4	2.37E-02	6.10E-04	9.23E-04
8964	637336.2	4170648.9	Worker	Scenario 4	2.92E-02	7.61E-04	1.05E-03
8965	637436.2	4170648.9	Worker	Scenario 4	3.11E-02	8.19E-04	1.06E-03
8966	637536.2	4170648.9	Worker	Scenario 4	3.33E-02	8.84E-04	1.11E-03
8967	637636.2	4170648.9	Worker	Scenario 4	3.55E-02	9.47E-04	1.14E-03
8968	637736.2	4170648.9	Worker	Scenario 4	3.80E-02	1.02E-03	1.17E-03
8969	637836.2	4170648.9	Worker	Scenario 4	4.05E-02	1.10E-03	1.20E-03
8970	637936.2	4170648.9	Worker	Scenario 4	4.30E-02	1.17E-03	1.18E-03
8971	638036.2	4170648.9	Worker	Scenario 4	4.55E-02	1.25E-03	1.26E-03
8972	638136.2	4170648.9	Worker	Scenario 4	4.61E-02	1.28E-03	1.24E-03
8973	638236.2	4170648.9	Worker	Scenario 4	4.77E-02	1.33E-03	1.26E-03
8974	638336.2	4170648.9	Worker	Scenario 4	5.15E-02	1.42E-03	1.34E-03
8975	638536.2	4170648.9	Worker	Scenario 4	5.45E-02	1.51E-03	1.24E-03
8976	638636.2	4170648.9	Worker	Scenario 4	5.46E-02	1.52E-03	1.38E-03
8977	638736.2	4170648.9	Worker	Scenario 4	5.52E-02	1.54E-03	1.51E-03
8978	638836.2	4170648.9	Worker	Scenario 4	5.60E-02	1.56E-03	1.79E-03
8979	638936.2	4170648.9	Worker	Scenario 4	5.41E-02	1.50E-03	1.71E-03
8980	639036.2	4170648.9	Worker	Scenario 4	5.49E-02	1.52E-03	1.47E-03
8981	639136.2	4170648.9	Worker	Scenario 4	5.56E-02	1.54E-03	1.48E-03
8982	639236.2	4170648.9	Worker	Scenario 4	5.40E-02	1.47E-03	1.37E-03
8983	639336.2	4170648.9	Worker	Scenario 4	5.81E-02	1.58E-03	1.57E-03
8984	639436.2	4170648.9	Worker	Scenario 4	6.00E-02	1.61E-03	1.61E-03
8985	639536.2	4170648.9	Worker	Scenario 4	6.03E-02	1.60E-03	1.77E-03
8986	639636.2	4170648.9	Worker	Scenario 4	6.05E-02	1.58E-03	1.98E-03
8987	639736.2	4170648.9	Worker	Scenario 4	6.07E-02	1.57E-03	1.99E-03
8988	639836.2	4170648.9	Worker	Scenario 4	6.10E-02	1.56E-03	2.03E-03
8989	639936.2	4170648.9	Worker	Scenario 4	6.12E-02	1.54E-03	2.07E-03
8990	640036.2	4170648.9	Worker	Scenario 4	6.15E-02	1.53E-03	2.08E-03
8991	640136.2	4170648.9	Worker	Scenario 4	6.18E-02	1.52E-03	2.11E-03
8992	640236.2	4170648.9	Worker	Scenario 4	6.22E-02	1.51E-03	1.90E-03
8993	640336.2	4170648.9	Worker	Scenario 4	6.25E-02	1.51E-03	2.16E-03
8994	640436.2	4170648.9	Worker	Scenario 4	6.29E-02	1.50E-03	2.17E-03
8995	640536.2	4170648.9	Worker	Scenario 4	6.33E-02	1.50E-03	2.20E-03
8996	640636.2	4170648.9	Worker	Scenario 4	6.38E-02	1.49E-03	2.32E-03
8997	640736.2	4170648.9	Worker	Scenario 4	6.41E-02	1.49E-03	2.21E-03
8998	640836.2	4170648.9	Worker	Scenario 4	6.43E-02	1.48E-03	2.25E-03
8999	640936.2	4170648.9	Worker	Scenario 4	6.44E-02	1.46E-03	2.26E-03
9000	641036.2	4170648.9	Worker	Scenario 4	6.42E-02	1.44E-03	2.19E-03
9001	641136.2	4170648.9	Worker	Scenario 4	6.39E-02	1.41E-03	2.26E-03
9002	641236.2	4170648.9	Worker	Scenario 4	6.33E-02	1.38E-03	2.28E-03
9003	641336.2	4170648.9	Worker	Scenario 4	6.27E-02	1.35E-03	2.26E-03
9004	641436.2	4170648.9	Worker	Scenario 4	6.20E-02	1.33E-03	2.30E-03
9005	641536.2	4170648.9	Worker	Scenario 4	6.11E-02	1.29E-03	2.34E-03
9006	641636.2	4170648.9	Worker	Scenario 4	6.03E-02	1.26E-03	2.33E-03
9007	641736.2	4170648.9	Worker	Scenario 4	5.95E-02	1.24E-03	2.30E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9008	641836.2	4170648.9	Worker	Scenario 4	5.87E-02	1.21E-03	2.30E-03
9009	641936.2	4170648.9	Worker	Scenario 4	5.78E-02	1.18E-03	2.16E-03
9010	642036.2	4170648.9	Worker	Scenario 4	5.69E-02	1.16E-03	2.26E-03
9011	642136.2	4170648.9	Worker	Scenario 4	5.59E-02	1.13E-03	2.38E-03
9012	642236.2	4170648.9	Worker	Scenario 4	5.50E-02	1.11E-03	3.50E-03
9013	642336.2	4170648.9	Worker	Scenario 4	5.41E-02	1.08E-03	4.77E-03
9014	642436.2	4170648.9	Worker	Scenario 4	5.31E-02	1.05E-03	5.14E-03
9015	642536.2	4170648.9	Worker	Scenario 4	5.21E-02	1.03E-03	4.38E-03
9016	642636.2	4170648.9	Worker	Scenario 4	5.11E-02	1.00E-03	3.01E-03
9017	642736.2	4170648.9	Worker	Scenario 4	5.01E-02	9.74E-04	2.00E-03
9018	642836.2	4170648.9	Worker	Scenario 4	4.91E-02	9.49E-04	2.02E-03
9019	642936.2	4170648.9	Worker	Scenario 4	4.81E-02	9.25E-04	1.94E-03
9020	643036.2	4170648.9	Worker	Scenario 4	4.72E-02	9.04E-04	1.99E-03
9021	643136.2	4170648.9	Worker	Scenario 4	4.64E-02	8.84E-04	2.17E-03
9022	643236.2	4170648.9	Worker	Scenario 4	4.56E-02	8.66E-04	2.55E-03
9023	643336.2	4170648.9	Worker	Scenario 4	4.48E-02	8.48E-04	2.59E-03
9024	643436.2	4170648.9	Worker	Scenario 4	4.40E-02	8.32E-04	2.31E-03
9025	635736.2	4170748.9	Worker	Scenario 4	1.21E-02	3.06E-04	1.29E-03
9026	636336.2	4170748.9	Worker	Scenario 4	1.58E-02	3.99E-04	8.65E-04
9027	636436.2	4170748.9	Worker	Scenario 4	1.66E-02	4.20E-04	8.91E-04
9028	636536.2	4170748.9	Worker	Scenario 4	1.85E-02	4.64E-04	8.77E-04
9029	636636.2	4170748.9	Worker	Scenario 4	1.95E-02	4.92E-04	8.32E-04
9030	636736.2	4170748.9	Worker	Scenario 4	2.05E-02	5.21E-04	7.96E-04
9031	636836.2	4170748.9	Worker	Scenario 4	2.16E-02	5.52E-04	8.00E-04
9032	636936.2	4170748.9	Worker	Scenario 4	2.27E-02	5.81E-04	9.13E-04
9033	637236.2	4170748.9	Worker	Scenario 4	2.66E-02	6.92E-04	9.97E-04
9034	637336.2	4170748.9	Worker	Scenario 4	2.88E-02	7.52E-04	1.03E-03
9035	637436.2	4170748.9	Worker	Scenario 4	3.06E-02	8.05E-04	1.06E-03
9036	637536.2	4170748.9	Worker	Scenario 4	3.25E-02	8.61E-04	1.09E-03
9037	637636.2	4170748.9	Worker	Scenario 4	3.46E-02	9.22E-04	1.12E-03
9038	637736.2	4170748.9	Worker	Scenario 4	3.65E-02	9.79E-04	1.15E-03
9039	637836.2	4170748.9	Worker	Scenario 4	3.86E-02	1.04E-03	1.14E-03
9040	637936.2	4170748.9	Worker	Scenario 4	4.07E-02	1.10E-03	1.21E-03
9041	638036.2	4170748.9	Worker	Scenario 4	4.27E-02	1.16E-03	1.23E-03
9042	638136.2	4170748.9	Worker	Scenario 4	4.46E-02	1.22E-03	1.24E-03
9043	638236.2	4170748.9	Worker	Scenario 4	4.64E-02	1.26E-03	1.31E-03
9044	638336.2	4170748.9	Worker	Scenario 4	4.79E-02	1.30E-03	1.32E-03
9045	638636.2	4170748.9	Worker	Scenario 4	5.11E-02	1.39E-03	1.43E-03
9046	638736.2	4170748.9	Worker	Scenario 4	5.20E-02	1.42E-03	1.74E-03
9047	638836.2	4170748.9	Worker	Scenario 4	5.34E-02	1.44E-03	1.84E-03
9048	638936.2	4170748.9	Worker	Scenario 4	5.06E-02	1.38E-03	1.49E-03
9049	639036.2	4170748.9	Worker	Scenario 4	5.14E-02	1.40E-03	1.40E-03
9050	639136.2	4170748.9	Worker	Scenario 4	5.24E-02	1.41E-03	1.42E-03
9051	639236.2	4170748.9	Worker	Scenario 4	5.09E-02	1.36E-03	1.41E-03
9052	639336.2	4170748.9	Worker	Scenario 4	5.43E-02	1.44E-03	1.51E-03
9053	639436.2	4170748.9	Worker	Scenario 4	5.62E-02	1.48E-03	1.52E-03
9054	639536.2	4170748.9	Worker	Scenario 4	5.66E-02	1.47E-03	1.86E-03
9055	639636.2	4170748.9	Worker	Scenario 4	5.69E-02	1.46E-03	1.91E-03
9056	639736.2	4170748.9	Worker	Scenario 4	5.72E-02	1.45E-03	1.84E-03
9057	639836.2	4170748.9	Worker	Scenario 4	5.75E-02	1.44E-03	1.95E-03
9058	639936.2	4170748.9	Worker	Scenario 4	5.77E-02	1.43E-03	1.92E-03
9059	640036.2	4170748.9	Worker	Scenario 4	5.80E-02	1.43E-03	2.02E-03
9060	640136.2	4170748.9	Worker	Scenario 4	5.83E-02	1.42E-03	1.99E-03
9061	640236.2	4170748.9	Worker	Scenario 4	5.87E-02	1.42E-03	1.98E-03
9062	640336.2	4170748.9	Worker	Scenario 4	5.91E-02	1.41E-03	2.04E-03
9063	640436.2	4170748.9	Worker	Scenario 4	5.95E-02	1.41E-03	2.11E-03
9064	640536.2	4170748.9	Worker	Scenario 4	5.98E-02	1.40E-03	2.12E-03
9065	640636.2	4170748.9	Worker	Scenario 4	6.01E-02	1.40E-03	2.22E-03
9066	640736.2	4170748.9	Worker	Scenario 4	6.03E-02	1.39E-03	2.15E-03
9067	640836.2	4170748.9	Worker	Scenario 4	6.04E-02	1.38E-03	2.14E-03
9068	640936.2	4170748.9	Worker	Scenario 4	6.04E-02	1.36E-03	2.17E-03
9069	641036.2	4170748.9	Worker	Scenario 4	6.02E-02	1.34E-03	2.15E-03
9070	641136.2	4170748.9	Worker	Scenario 4	5.98E-02	1.31E-03	2.16E-03
9071	641236.2	4170748.9	Worker	Scenario 4	5.92E-02	1.28E-03	2.19E-03
9072	641336.2	4170748.9	Worker	Scenario 4	5.86E-02	1.26E-03	2.18E-03
9073	641436.2	4170748.9	Worker	Scenario 4	5.80E-02	1.24E-03	2.21E-03
9074	641536.2	4170748.9	Worker	Scenario 4	5.74E-02	1.21E-03	2.25E-03
9075	641636.2	4170748.9	Worker	Scenario 4	5.66E-02	1.18E-03	2.23E-03
9076	641736.2	4170748.9	Worker	Scenario 4	5.59E-02	1.16E-03	2.20E-03
9077	641836.2	4170748.9	Worker	Scenario 4	5.53E-02	1.14E-03	2.22E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9078	641936.2	4170748.9	Worker	Scenario 4	5.46E-02	1.12E-03	2.13E-03
9079	642036.2	4170748.9	Worker	Scenario 4	5.39E-02	1.10E-03	2.14E-03
9080	642136.2	4170748.9	Worker	Scenario 4	5.31E-02	1.07E-03	2.19E-03
9081	642236.2	4170748.9	Worker	Scenario 4	5.22E-02	1.05E-03	3.06E-03
9082	642336.2	4170748.9	Worker	Scenario 4	5.14E-02	1.03E-03	4.39E-03
9083	642436.2	4170748.9	Worker	Scenario 4	5.05E-02	1.00E-03	5.03E-03
9084	642536.2	4170748.9	Worker	Scenario 4	4.95E-02	9.80E-04	4.60E-03
9085	642636.2	4170748.9	Worker	Scenario 4	4.86E-02	9.55E-04	3.39E-03
9086	642736.2	4170748.9	Worker	Scenario 4	4.77E-02	9.31E-04	2.31E-03
9087	642836.2	4170748.9	Worker	Scenario 4	4.68E-02	9.08E-04	1.84E-03
9088	642936.2	4170748.9	Worker	Scenario 4	4.59E-02	8.85E-04	1.95E-03
9089	643036.2	4170748.9	Worker	Scenario 4	4.51E-02	8.65E-04	1.92E-03
9090	643136.2	4170748.9	Worker	Scenario 4	4.43E-02	8.46E-04	1.95E-03
9091	643236.2	4170748.9	Worker	Scenario 4	4.36E-02	8.29E-04	2.32E-03
9092	643336.2	4170748.9	Worker	Scenario 4	4.28E-02	8.13E-04	2.55E-03
9093	636436.2	4170848.9	Worker	Scenario 4	1.68E-02	4.24E-04	8.30E-04
9094	636536.2	4170848.9	Worker	Scenario 4	1.77E-02	4.48E-04	7.83E-04
9095	636936.2	4170848.9	Worker	Scenario 4	2.19E-02	5.65E-04	9.68E-04
9096	637336.2	4170848.9	Worker	Scenario 4	2.81E-02	7.35E-04	1.02E-03
9097	637436.2	4170848.9	Worker	Scenario 4	2.99E-02	7.85E-04	1.05E-03
9098	637536.2	4170848.9	Worker	Scenario 4	3.16E-02	8.36E-04	1.09E-03
9099	637636.2	4170848.9	Worker	Scenario 4	3.33E-02	8.90E-04	1.08E-03
9100	637736.2	4170848.9	Worker	Scenario 4	3.51E-02	9.41E-04	1.09E-03
9101	637836.2	4170848.9	Worker	Scenario 4	3.70E-02	9.93E-04	1.15E-03
9102	637936.2	4170848.9	Worker	Scenario 4	3.88E-02	1.04E-03	1.17E-03
9103	638036.2	4170848.9	Worker	Scenario 4	4.04E-02	1.09E-03	1.20E-03
9104	638136.2	4170848.9	Worker	Scenario 4	4.21E-02	1.13E-03	1.28E-03
9105	638236.2	4170848.9	Worker	Scenario 4	4.36E-02	1.17E-03	1.30E-03
9106	638336.2	4170848.9	Worker	Scenario 4	4.50E-02	1.21E-03	1.19E-03
9107	638536.2	4170848.9	Worker	Scenario 4	4.74E-02	1.27E-03	1.37E-03
9108	638636.2	4170848.9	Worker	Scenario 4	4.83E-02	1.30E-03	1.69E-03
9109	638736.2	4170848.9	Worker	Scenario 4	4.93E-02	1.32E-03	1.82E-03
9110	638836.2	4170848.9	Worker	Scenario 4	4.95E-02	1.32E-03	1.62E-03
9111	638936.2	4170848.9	Worker	Scenario 4	4.76E-02	1.27E-03	1.35E-03
9112	639036.2	4170848.9	Worker	Scenario 4	4.84E-02	1.29E-03	1.37E-03
9113	639136.2	4170848.9	Worker	Scenario 4	4.91E-02	1.30E-03	1.37E-03
9114	639236.2	4170848.9	Worker	Scenario 4	4.81E-02	1.27E-03	1.36E-03
9115	639336.2	4170848.9	Worker	Scenario 4	5.11E-02	1.34E-03	1.42E-03
9116	639436.2	4170848.9	Worker	Scenario 4	5.26E-02	1.36E-03	1.67E-03
9117	639536.2	4170848.9	Worker	Scenario 4	5.29E-02	1.35E-03	1.81E-03
9118	639636.2	4170848.9	Worker	Scenario 4	5.37E-02	1.36E-03	1.83E-03
9119	639736.2	4170848.9	Worker	Scenario 4	5.40E-02	1.35E-03	1.88E-03
9120	639836.2	4170848.9	Worker	Scenario 4	5.43E-02	1.35E-03	1.91E-03
9121	639936.2	4170848.9	Worker	Scenario 4	5.46E-02	1.34E-03	1.89E-03
9122	640036.2	4170848.9	Worker	Scenario 4	5.49E-02	1.33E-03	1.95E-03
9123	640136.2	4170848.9	Worker	Scenario 4	5.52E-02	1.33E-03	1.81E-03
9124	640236.2	4170848.9	Worker	Scenario 4	5.56E-02	1.33E-03	1.98E-03
9125	640336.2	4170848.9	Worker	Scenario 4	5.59E-02	1.32E-03	1.92E-03
9126	640436.2	4170848.9	Worker	Scenario 4	5.63E-02	1.32E-03	2.01E-03
9127	640536.2	4170848.9	Worker	Scenario 4	5.65E-02	1.31E-03	2.06E-03
9128	640636.2	4170848.9	Worker	Scenario 4	5.68E-02	1.31E-03	2.10E-03
9129	640736.2	4170848.9	Worker	Scenario 4	5.69E-02	1.30E-03	2.07E-03
9130	640836.2	4170848.9	Worker	Scenario 4	5.69E-02	1.29E-03	2.01E-03
9131	640936.2	4170848.9	Worker	Scenario 4	5.68E-02	1.27E-03	2.07E-03
9132	641036.2	4170848.9	Worker	Scenario 4	5.66E-02	1.25E-03	2.10E-03
9133	641136.2	4170848.9	Worker	Scenario 4	5.62E-02	1.23E-03	2.08E-03
9134	641236.2	4170848.9	Worker	Scenario 4	5.56E-02	1.20E-03	2.10E-03
9135	641336.2	4170848.9	Worker	Scenario 4	5.51E-02	1.18E-03	2.10E-03
9136	641436.2	4170848.9	Worker	Scenario 4	5.46E-02	1.16E-03	2.13E-03
9137	641536.2	4170848.9	Worker	Scenario 4	5.40E-02	1.14E-03	2.16E-03
9138	641636.2	4170848.9	Worker	Scenario 4	5.34E-02	1.12E-03	2.14E-03
9139	641736.2	4170848.9	Worker	Scenario 4	5.28E-02	1.10E-03	2.13E-03
9140	641836.2	4170848.9	Worker	Scenario 4	5.23E-02	1.08E-03	2.13E-03
9141	641936.2	4170848.9	Worker	Scenario 4	5.17E-02	1.06E-03	2.09E-03
9142	642036.2	4170848.9	Worker	Scenario 4	5.11E-02	1.04E-03	2.02E-03
9143	642136.2	4170848.9	Worker	Scenario 4	5.04E-02	1.02E-03	2.10E-03
9144	642236.2	4170848.9	Worker	Scenario 4	4.97E-02	1.00E-03	2.66E-03
9145	642336.2	4170848.9	Worker	Scenario 4	4.89E-02	9.80E-04	3.98E-03
9146	642436.2	4170848.9	Worker	Scenario 4	4.80E-02	9.59E-04	4.84E-03
9147	642536.2	4170848.9	Worker	Scenario 4	4.72E-02	9.37E-04	4.72E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9148	642636.2	4170848.9	Worker	Scenario 4	4.63E-02	9.15E-04	3.72E-03
9149	642736.2	4170848.9	Worker	Scenario 4	4.55E-02	8.92E-04	2.57E-03
9150	642836.2	4170848.9	Worker	Scenario 4	4.47E-02	8.71E-04	1.75E-03
9151	642936.2	4170848.9	Worker	Scenario 4	4.39E-02	8.49E-04	1.88E-03
9152	643036.2	4170848.9	Worker	Scenario 4	4.31E-02	8.31E-04	1.76E-03
9153	643136.2	4170848.9	Worker	Scenario 4	4.24E-02	8.13E-04	1.83E-03
9154	643236.2	4170848.9	Worker	Scenario 4	4.17E-02	7.96E-04	2.05E-03
9155	643336.2	4170848.9	Worker	Scenario 4	4.09E-02	7.79E-04	2.40E-03
9156	637336.2	4170948.9	Worker	Scenario 4	2.77E-02	7.23E-04	1.02E-03
9157	637436.2	4170948.9	Worker	Scenario 4	2.92E-02	7.67E-04	1.05E-03
9158	637536.2	4170948.9	Worker	Scenario 4	3.09E-02	8.16E-04	1.04E-03
9159	637636.2	4170948.9	Worker	Scenario 4	3.15E-02	8.41E-04	1.02E-03
9160	637736.2	4170948.9	Worker	Scenario 4	3.29E-02	8.80E-04	1.07E-03
9161	637836.2	4170948.9	Worker	Scenario 4	3.46E-02	9.28E-04	1.10E-03
9162	637936.2	4170948.9	Worker	Scenario 4	3.66E-02	9.81E-04	1.13E-03
9163	638036.2	4170948.9	Worker	Scenario 4	3.84E-02	1.02E-03	1.26E-03
9164	638136.2	4170948.9	Worker	Scenario 4	3.99E-02	1.06E-03	1.28E-03
9165	638236.2	4170948.9	Worker	Scenario 4	4.12E-02	1.10E-03	1.18E-03
9166	638536.2	4170948.9	Worker	Scenario 4	4.46E-02	1.18E-03	1.60E-03
9167	638636.2	4170948.9	Worker	Scenario 4	4.55E-02	1.20E-03	1.77E-03
9168	638736.2	4170948.9	Worker	Scenario 4	4.63E-02	1.22E-03	1.68E-03
9169	638836.2	4170948.9	Worker	Scenario 4	4.51E-02	1.20E-03	1.34E-03
9170	638936.2	4170948.9	Worker	Scenario 4	4.49E-02	1.19E-03	1.31E-03
9171	639036.2	4170948.9	Worker	Scenario 4	4.57E-02	1.20E-03	1.27E-03
9172	639136.2	4170948.9	Worker	Scenario 4	4.44E-02	1.16E-03	1.30E-03
9173	639236.2	4170948.9	Worker	Scenario 4	4.49E-02	1.16E-03	1.30E-03
9174	639336.2	4170948.9	Worker	Scenario 4	4.85E-02	1.25E-03	1.44E-03
9175	639436.2	4170948.9	Worker	Scenario 4	4.96E-02	1.26E-03	1.72E-03
9176	639536.2	4170948.9	Worker	Scenario 4	5.01E-02	1.26E-03	1.76E-03
9177	639636.2	4170948.9	Worker	Scenario 4	5.06E-02	1.26E-03	1.70E-03
9178	639736.2	4170948.9	Worker	Scenario 4	5.12E-02	1.27E-03	1.81E-03
9179	639836.2	4170948.9	Worker	Scenario 4	5.15E-02	1.26E-03	1.80E-03
9180	639936.2	4170948.9	Worker	Scenario 4	5.18E-02	1.26E-03	1.87E-03
9181	640036.2	4170948.9	Worker	Scenario 4	5.21E-02	1.25E-03	1.87E-03
9182	640136.2	4170948.9	Worker	Scenario 4	5.24E-02	1.25E-03	1.73E-03
9183	640236.2	4170948.9	Worker	Scenario 4	5.27E-02	1.25E-03	1.93E-03
9184	640336.2	4170948.9	Worker	Scenario 4	5.31E-02	1.24E-03	1.93E-03
9185	640436.2	4170948.9	Worker	Scenario 4	5.34E-02	1.24E-03	1.96E-03
9186	640536.2	4170948.9	Worker	Scenario 4	5.36E-02	1.24E-03	2.03E-03
9187	640636.2	4170948.9	Worker	Scenario 4	5.38E-02	1.23E-03	2.00E-03
9188	640736.2	4170948.9	Worker	Scenario 4	5.38E-02	1.22E-03	1.97E-03
9189	640836.2	4170948.9	Worker	Scenario 4	5.38E-02	1.21E-03	1.90E-03
9190	640936.2	4170948.9	Worker	Scenario 4	5.37E-02	1.19E-03	1.97E-03
9191	641036.2	4170948.9	Worker	Scenario 4	5.34E-02	1.18E-03	2.05E-03
9192	641136.2	4170948.9	Worker	Scenario 4	5.30E-02	1.15E-03	2.01E-03
9193	641236.2	4170948.9	Worker	Scenario 4	5.24E-02	1.13E-03	2.01E-03
9194	641336.2	4170948.9	Worker	Scenario 4	5.19E-02	1.11E-03	2.01E-03
9195	641436.2	4170948.9	Worker	Scenario 4	5.14E-02	1.09E-03	2.04E-03
9196	641536.2	4170948.9	Worker	Scenario 4	5.09E-02	1.07E-03	2.07E-03
9197	641636.2	4170948.9	Worker	Scenario 4	5.04E-02	1.05E-03	2.05E-03
9198	641736.2	4170948.9	Worker	Scenario 4	4.99E-02	1.04E-03	2.05E-03
9199	641836.2	4170948.9	Worker	Scenario 4	4.95E-02	1.02E-03	2.04E-03
9200	641936.2	4170948.9	Worker	Scenario 4	4.90E-02	1.00E-03	2.03E-03
9201	642036.2	4170948.9	Worker	Scenario 4	4.86E-02	9.88E-04	1.89E-03
9202	642136.2	4170948.9	Worker	Scenario 4	4.80E-02	9.71E-04	2.01E-03
9203	642236.2	4170948.9	Worker	Scenario 4	4.73E-02	9.53E-04	2.36E-03
9204	642336.2	4170948.9	Worker	Scenario 4	4.66E-02	9.35E-04	3.58E-03
9205	642436.2	4170948.9	Worker	Scenario 4	4.58E-02	9.17E-04	4.57E-03
9206	642536.2	4170948.9	Worker	Scenario 4	4.50E-02	8.97E-04	4.74E-03
9207	642636.2	4170948.9	Worker	Scenario 4	4.42E-02	8.77E-04	4.00E-03
9208	642736.2	4170948.9	Worker	Scenario 4	4.34E-02	8.56E-04	2.80E-03
9209	642836.2	4170948.9	Worker	Scenario 4	4.27E-02	8.36E-04	1.95E-03
9210	642936.2	4170948.9	Worker	Scenario 4	4.20E-02	8.16E-04	1.74E-03
9211	643036.2	4170948.9	Worker	Scenario 4	4.13E-02	7.98E-04	1.79E-03
9212	643136.2	4170948.9	Worker	Scenario 4	4.06E-02	7.81E-04	1.78E-03
9213	643236.2	4170948.9	Worker	Scenario 4	4.00E-02	7.66E-04	1.82E-03
9214	636836.2	4171048.9	Worker	Scenario 4	2.08E-02	5.36E-04	8.92E-04
9215	637036.2	4171048.9	Worker	Scenario 4	2.32E-02	6.01E-04	9.41E-04
9216	637136.2	4171048.9	Worker	Scenario 4	2.47E-02	6.43E-04	9.33E-04
9217	637236.2	4171048.9	Worker	Scenario 4	2.60E-02	6.79E-04	9.63E-04

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9218	637336.2	4171048.9	Worker	Scenario 4	2.67E-02	7.04E-04	9.78E-04
9219	637436.2	4171048.9	Worker	Scenario 4	2.84E-02	7.50E-04	9.88E-04
9220	637536.2	4171048.9	Worker	Scenario 4	2.99E-02	7.88E-04	1.02E-03
9221	637636.2	4171048.9	Worker	Scenario 4	3.13E-02	8.26E-04	1.07E-03
9222	637736.2	4171048.9	Worker	Scenario 4	3.18E-02	8.46E-04	1.05E-03
9223	637836.2	4171048.9	Worker	Scenario 4	3.31E-02	8.81E-04	1.06E-03
9224	637936.2	4171048.9	Worker	Scenario 4	3.54E-02	9.37E-04	1.21E-03
9225	638036.2	4171048.9	Worker	Scenario 4	3.68E-02	9.72E-04	1.23E-03
9226	638136.2	4171048.9	Worker	Scenario 4	3.80E-02	1.00E-03	1.17E-03
9227	638236.2	4171048.9	Worker	Scenario 4	3.92E-02	1.03E-03	1.12E-03
9228	638436.2	4171048.9	Worker	Scenario 4	4.14E-02	1.09E-03	1.52E-03
9229	638536.2	4171048.9	Worker	Scenario 4	4.24E-02	1.11E-03	1.73E-03
9230	638636.2	4171048.9	Worker	Scenario 4	4.32E-02	1.13E-03	1.72E-03
9231	638736.2	4171048.9	Worker	Scenario 4	4.40E-02	1.15E-03	1.43E-03
9232	638836.2	4171048.9	Worker	Scenario 4	4.22E-02	1.10E-03	1.26E-03
9233	638936.2	4171048.9	Worker	Scenario 4	4.25E-02	1.11E-03	1.24E-03
9234	639036.2	4171048.9	Worker	Scenario 4	4.37E-02	1.13E-03	1.31E-03
9235	639136.2	4171048.9	Worker	Scenario 4	4.41E-02	1.14E-03	1.32E-03
9236	639236.2	4171048.9	Worker	Scenario 4	4.45E-02	1.14E-03	1.28E-03
9237	639336.2	4171048.9	Worker	Scenario 4	4.64E-02	1.18E-03	1.57E-03
9238	639436.2	4171048.9	Worker	Scenario 4	4.60E-02	1.16E-03	1.63E-03
9239	639536.2	4171048.9	Worker	Scenario 4	4.65E-02	1.16E-03	1.64E-03
9240	639636.2	4171048.9	Worker	Scenario 4	4.80E-02	1.19E-03	1.73E-03
9241	639736.2	4171048.9	Worker	Scenario 4	4.86E-02	1.19E-03	1.77E-03
9242	639836.2	4171048.9	Worker	Scenario 4	4.89E-02	1.19E-03	1.73E-03
9243	639936.2	4171048.9	Worker	Scenario 4	4.92E-02	1.18E-03	1.79E-03
9244	640036.2	4171048.9	Worker	Scenario 4	4.95E-02	1.18E-03	1.74E-03
9245	640136.2	4171048.9	Worker	Scenario 4	4.98E-02	1.18E-03	1.78E-03
9246	640236.2	4171048.9	Worker	Scenario 4	5.01E-02	1.18E-03	1.82E-03
9247	640336.2	4171048.9	Worker	Scenario 4	5.04E-02	1.17E-03	1.88E-03
9248	640436.2	4171048.9	Worker	Scenario 4	5.06E-02	1.17E-03	1.87E-03
9249	640536.2	4171048.9	Worker	Scenario 4	5.08E-02	1.16E-03	1.98E-03
9250	640636.2	4171048.9	Worker	Scenario 4	5.10E-02	1.16E-03	1.91E-03
9251	640736.2	4171048.9	Worker	Scenario 4	5.11E-02	1.15E-03	1.93E-03
9252	640836.2	4171048.9	Worker	Scenario 4	5.10E-02	1.14E-03	1.88E-03
9253	640936.2	4171048.9	Worker	Scenario 4	5.08E-02	1.12E-03	1.91E-03
9254	641036.2	4171048.9	Worker	Scenario 4	5.05E-02	1.11E-03	2.00E-03
9255	641136.2	4171048.9	Worker	Scenario 4	5.01E-02	1.09E-03	1.95E-03
9256	641236.2	4171048.9	Worker	Scenario 4	4.97E-02	1.07E-03	1.93E-03
9257	641336.2	4171048.9	Worker	Scenario 4	4.92E-02	1.05E-03	1.95E-03
9258	641436.2	4171048.9	Worker	Scenario 4	4.87E-02	1.03E-03	1.97E-03
9259	641536.2	4171048.9	Worker	Scenario 4	4.83E-02	1.02E-03	2.00E-03
9260	641636.2	4171048.9	Worker	Scenario 4	4.79E-02	1.00E-03	1.97E-03
9261	641736.2	4171048.9	Worker	Scenario 4	4.74E-02	9.84E-04	1.98E-03
9262	641836.2	4171048.9	Worker	Scenario 4	4.70E-02	9.68E-04	1.96E-03
9263	641936.2	4171048.9	Worker	Scenario 4	4.66E-02	9.54E-04	1.97E-03
9264	642036.2	4171048.9	Worker	Scenario 4	4.62E-02	9.40E-04	1.78E-03
9265	642136.2	4171048.9	Worker	Scenario 4	4.57E-02	9.25E-04	1.94E-03
9266	642236.2	4171048.9	Worker	Scenario 4	4.51E-02	9.09E-04	2.13E-03
9267	642336.2	4171048.9	Worker	Scenario 4	4.45E-02	8.93E-04	3.18E-03
9268	642436.2	4171048.9	Worker	Scenario 4	4.37E-02	8.77E-04	4.26E-03
9269	642536.2	4171048.9	Worker	Scenario 4	4.30E-02	8.59E-04	4.68E-03
9270	642636.2	4171048.9	Worker	Scenario 4	4.22E-02	8.41E-04	4.20E-03
9271	642736.2	4171048.9	Worker	Scenario 4	4.15E-02	8.22E-04	3.12E-03
9272	642836.2	4171048.9	Worker	Scenario 4	4.08E-02	8.03E-04	2.22E-03
9273	642936.2	4171048.9	Worker	Scenario 4	4.02E-02	7.86E-04	1.61E-03
9274	643036.2	4171048.9	Worker	Scenario 4	3.96E-02	7.69E-04	1.76E-03
9275	643136.2	4171048.9	Worker	Scenario 4	3.90E-02	7.52E-04	1.66E-03
9276	636936.2	4171148.9	Worker	Scenario 4	2.22E-02	5.72E-04	9.07E-04
9277	637036.2	4171148.9	Worker	Scenario 4	2.32E-02	6.02E-04	9.02E-04
9278	637136.2	4171148.9	Worker	Scenario 4	2.42E-02	6.31E-04	9.15E-04
9279	637236.2	4171148.9	Worker	Scenario 4	2.53E-02	6.63E-04	9.55E-04
9280	637336.2	4171148.9	Worker	Scenario 4	2.58E-02	6.80E-04	9.18E-04
9281	637436.2	4171148.9	Worker	Scenario 4	2.69E-02	7.12E-04	9.40E-04
9282	637536.2	4171148.9	Worker	Scenario 4	2.81E-02	7.45E-04	9.85E-04
9283	637636.2	4171148.9	Worker	Scenario 4	3.03E-02	7.96E-04	1.05E-03
9284	637736.2	4171148.9	Worker	Scenario 4	3.16E-02	8.29E-04	1.07E-03
9285	637836.2	4171148.9	Worker	Scenario 4	3.27E-02	8.60E-04	1.20E-03
9286	637936.2	4171148.9	Worker	Scenario 4	3.27E-02	8.67E-04	1.13E-03
9287	638036.2	4171148.9	Worker	Scenario 4	3.52E-02	9.25E-04	1.16E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9288	638136.2	4171148.9	Worker	Scenario 4	3.63E-02	9.52E-04	1.06E-03
9289	638436.2	4171148.9	Worker	Scenario 4	3.94E-02	1.03E-03	1.68E-03
9290	638536.2	4171148.9	Worker	Scenario 4	4.03E-02	1.05E-03	1.71E-03
9291	638636.2	4171148.9	Worker	Scenario 4	4.11E-02	1.06E-03	1.50E-03
9292	638736.2	4171148.9	Worker	Scenario 4	4.19E-02	1.08E-03	1.29E-03
9293	638836.2	4171148.9	Worker	Scenario 4	3.99E-02	1.03E-03	1.22E-03
9294	638936.2	4171148.9	Worker	Scenario 4	4.08E-02	1.05E-03	1.23E-03
9295	639036.2	4171148.9	Worker	Scenario 4	4.13E-02	1.06E-03	1.26E-03
9296	639136.2	4171148.9	Worker	Scenario 4	4.14E-02	1.05E-03	1.24E-03
9297	639236.2	4171148.9	Worker	Scenario 4	4.19E-02	1.06E-03	1.33E-03
9298	639336.2	4171148.9	Worker	Scenario 4	4.48E-02	1.12E-03	1.62E-03
9299	639436.2	4171148.9	Worker	Scenario 4	4.39E-02	1.09E-03	1.59E-03
9300	639536.2	4171148.9	Worker	Scenario 4	4.42E-02	1.09E-03	1.53E-03
9301	639636.2	4171148.9	Worker	Scenario 4	4.57E-02	1.12E-03	1.68E-03
9302	639736.2	4171148.9	Worker	Scenario 4	4.63E-02	1.12E-03	1.69E-03
9303	639836.2	4171148.9	Worker	Scenario 4	4.66E-02	1.12E-03	1.74E-03
9304	639936.2	4171148.9	Worker	Scenario 4	4.69E-02	1.12E-03	1.75E-03
9305	640036.2	4171148.9	Worker	Scenario 4	4.71E-02	1.12E-03	1.57E-03
9306	640136.2	4171148.9	Worker	Scenario 4	4.74E-02	1.11E-03	1.78E-03
9307	640236.2	4171148.9	Worker	Scenario 4	4.77E-02	1.11E-03	1.71E-03
9308	640336.2	4171148.9	Worker	Scenario 4	4.80E-02	1.11E-03	1.80E-03
9309	640436.2	4171148.9	Worker	Scenario 4	4.82E-02	1.10E-03	1.83E-03
9310	640536.2	4171148.9	Worker	Scenario 4	4.83E-02	1.10E-03	1.91E-03
9311	640636.2	4171148.9	Worker	Scenario 4	4.84E-02	1.09E-03	1.84E-03
9312	640736.2	4171148.9	Worker	Scenario 4	4.85E-02	1.09E-03	1.86E-03
9313	640836.2	4171148.9	Worker	Scenario 4	4.84E-02	1.07E-03	1.85E-03
9314	640936.2	4171148.9	Worker	Scenario 4	4.82E-02	1.06E-03	1.90E-03
9315	641036.2	4171148.9	Worker	Scenario 4	4.80E-02	1.05E-03	1.95E-03
9316	641136.2	4171148.9	Worker	Scenario 4	4.75E-02	1.03E-03	1.88E-03
9317	641236.2	4171148.9	Worker	Scenario 4	4.72E-02	1.01E-03	1.86E-03
9318	641336.2	4171148.9	Worker	Scenario 4	4.68E-02	9.99E-04	1.88E-03
9319	641436.2	4171148.9	Worker	Scenario 4	4.64E-02	9.85E-04	1.91E-03
9320	641536.2	4171148.9	Worker	Scenario 4	4.59E-02	9.67E-04	1.93E-03
9321	641636.2	4171148.9	Worker	Scenario 4	4.55E-02	9.52E-04	1.90E-03
9322	641736.2	4171148.9	Worker	Scenario 4	4.52E-02	9.37E-04	1.92E-03
9323	641836.2	4171148.9	Worker	Scenario 4	4.48E-02	9.22E-04	1.88E-03
9324	641936.2	4171148.9	Worker	Scenario 4	4.44E-02	9.08E-04	1.90E-03
9325	642036.2	4171148.9	Worker	Scenario 4	4.41E-02	8.96E-04	1.70E-03
9326	642136.2	4171148.9	Worker	Scenario 4	4.36E-02	8.81E-04	1.87E-03
9327	642236.2	4171148.9	Worker	Scenario 4	4.31E-02	8.68E-04	1.97E-03
9328	642336.2	4171148.9	Worker	Scenario 4	4.25E-02	8.54E-04	2.81E-03
9329	642436.2	4171148.9	Worker	Scenario 4	4.18E-02	8.39E-04	3.93E-03
9330	642536.2	4171148.9	Worker	Scenario 4	4.11E-02	8.24E-04	4.54E-03
9331	642636.2	4171148.9	Worker	Scenario 4	4.04E-02	8.08E-04	4.32E-03
9332	642736.2	4171148.9	Worker	Scenario 4	3.98E-02	7.91E-04	3.41E-03
9333	642836.2	4171148.9	Worker	Scenario 4	3.91E-02	7.74E-04	2.42E-03
9334	642936.2	4171148.9	Worker	Scenario 4	3.86E-02	7.58E-04	1.63E-03
9335	643036.2	4171148.9	Worker	Scenario 4	3.79E-02	7.40E-04	1.65E-03
9336	636836.2	4171248.9	Worker	Scenario 4	2.06E-02	5.33E-04	8.78E-04
9337	636936.2	4171248.9	Worker	Scenario 4	2.19E-02	5.67E-04	8.72E-04
9338	637036.2	4171248.9	Worker	Scenario 4	2.28E-02	5.93E-04	8.81E-04
9339	637136.2	4171248.9	Worker	Scenario 4	2.37E-02	6.19E-04	9.16E-04
9340	637236.2	4171248.9	Worker	Scenario 4	2.48E-02	6.49E-04	9.01E-04
9341	637336.2	4171248.9	Worker	Scenario 4	2.51E-02	6.61E-04	9.02E-04
9342	637436.2	4171248.9	Worker	Scenario 4	2.61E-02	6.88E-04	9.38E-04
9343	637536.2	4171248.9	Worker	Scenario 4	2.71E-02	7.14E-04	9.55E-04
9344	637636.2	4171248.9	Worker	Scenario 4	2.87E-02	7.56E-04	9.88E-04
9345	637736.2	4171248.9	Worker	Scenario 4	3.04E-02	7.95E-04	1.17E-03
9346	637836.2	4171248.9	Worker	Scenario 4	3.16E-02	8.24E-04	1.22E-03
9347	637936.2	4171248.9	Worker	Scenario 4	3.28E-02	8.55E-04	1.14E-03
9348	638336.2	4171248.9	Worker	Scenario 4	3.68E-02	9.52E-04	1.62E-03
9349	638436.2	4171248.9	Worker	Scenario 4	3.77E-02	9.73E-04	1.69E-03
9350	638536.2	4171248.9	Worker	Scenario 4	3.85E-02	9.89E-04	1.55E-03
9351	638636.2	4171248.9	Worker	Scenario 4	3.92E-02	1.00E-03	1.27E-03
9352	638736.2	4171248.9	Worker	Scenario 4	3.99E-02	1.02E-03	1.25E-03
9353	638836.2	4171248.9	Worker	Scenario 4	3.82E-02	9.78E-04	1.14E-03
9354	638936.2	4171248.9	Worker	Scenario 4	4.01E-02	1.02E-03	1.26E-03
9355	639036.2	4171248.9	Worker	Scenario 4	3.92E-02	9.91E-04	1.22E-03
9356	639136.2	4171248.9	Worker	Scenario 4	3.96E-02	9.95E-04	1.17E-03
9357	639236.2	4171248.9	Worker	Scenario 4	3.99E-02	1.00E-03	1.41E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9358	639336.2	4171248.9	Worker	Scenario 4	4.29E-02	1.06E-03	1.58E-03
9359	639436.2	4171248.9	Worker	Scenario 4	4.19E-02	1.03E-03	1.52E-03
9360	639536.2	4171248.9	Worker	Scenario 4	4.23E-02	1.03E-03	1.57E-03
9361	639636.2	4171248.9	Worker	Scenario 4	4.36E-02	1.05E-03	1.64E-03
9362	639736.2	4171248.9	Worker	Scenario 4	4.41E-02	1.06E-03	1.58E-03
9363	639836.2	4171248.9	Worker	Scenario 4	4.44E-02	1.06E-03	1.67E-03
9364	639936.2	4171248.9	Worker	Scenario 4	4.47E-02	1.06E-03	1.66E-03
9365	640036.2	4171248.9	Worker	Scenario 4	4.49E-02	1.06E-03	1.58E-03
9366	640136.2	4171248.9	Worker	Scenario 4	4.52E-02	1.05E-03	1.73E-03
9367	640236.2	4171248.9	Worker	Scenario 4	4.55E-02	1.05E-03	1.72E-03
9368	640336.2	4171248.9	Worker	Scenario 4	4.57E-02	1.05E-03	1.76E-03
9369	640436.2	4171248.9	Worker	Scenario 4	4.59E-02	1.05E-03	1.79E-03
9370	640536.2	4171248.9	Worker	Scenario 4	4.60E-02	1.04E-03	1.82E-03
9371	640636.2	4171248.9	Worker	Scenario 4	4.61E-02	1.04E-03	1.79E-03
9372	640736.2	4171248.9	Worker	Scenario 4	4.61E-02	1.03E-03	1.79E-03
9373	640836.2	4171248.9	Worker	Scenario 4	4.60E-02	1.02E-03	1.80E-03
9374	640936.2	4171248.9	Worker	Scenario 4	4.59E-02	1.00E-03	1.89E-03
9375	641036.2	4171248.9	Worker	Scenario 4	4.56E-02	9.90E-04	1.90E-03
9376	641136.2	4171248.9	Worker	Scenario 4	4.52E-02	9.74E-04	1.82E-03
9377	641236.2	4171248.9	Worker	Scenario 4	4.49E-02	9.61E-04	1.78E-03
9378	641336.2	4171248.9	Worker	Scenario 4	4.45E-02	9.49E-04	1.82E-03
9379	641436.2	4171248.9	Worker	Scenario 4	4.42E-02	9.37E-04	1.85E-03
9380	641536.2	4171248.9	Worker	Scenario 4	4.37E-02	9.20E-04	1.86E-03
9381	641636.2	4171248.9	Worker	Scenario 4	4.34E-02	9.07E-04	1.84E-03
9382	641736.2	4171248.9	Worker	Scenario 4	4.31E-02	8.93E-04	1.85E-03
9383	641836.2	4171248.9	Worker	Scenario 4	4.28E-02	8.80E-04	1.83E-03
9384	641936.2	4171248.9	Worker	Scenario 4	4.24E-02	8.67E-04	1.83E-03
9385	642036.2	4171248.9	Worker	Scenario 4	4.21E-02	8.54E-04	1.66E-03
9386	642136.2	4171248.9	Worker	Scenario 4	4.17E-02	8.42E-04	1.80E-03
9387	642236.2	4171248.9	Worker	Scenario 4	4.12E-02	8.29E-04	1.82E-03
9388	642336.2	4171248.9	Worker	Scenario 4	4.06E-02	8.17E-04	2.46E-03
9389	642436.2	4171248.9	Worker	Scenario 4	4.00E-02	8.04E-04	3.58E-03
9390	642536.2	4171248.9	Worker	Scenario 4	3.94E-02	7.91E-04	4.35E-03
9391	642636.2	4171248.9	Worker	Scenario 4	3.87E-02	7.76E-04	4.37E-03
9392	642736.2	4171248.9	Worker	Scenario 4	3.81E-02	7.61E-04	3.66E-03
9393	642836.2	4171248.9	Worker	Scenario 4	3.75E-02	7.46E-04	2.61E-03
9394	642936.2	4171248.9	Worker	Scenario 4	3.69E-02	7.29E-04	1.90E-03
9395	636736.2	4171348.9	Worker	Scenario 4	1.96E-02	5.06E-04	8.45E-04
9396	636836.2	4171348.9	Worker	Scenario 4	2.11E-02	5.42E-04	8.56E-04
9397	636936.2	4171348.9	Worker	Scenario 4	2.16E-02	5.60E-04	8.56E-04
9398	637036.2	4171348.9	Worker	Scenario 4	2.24E-02	5.82E-04	8.81E-04
9399	637136.2	4171348.9	Worker	Scenario 4	2.33E-02	6.08E-04	8.61E-04
9400	637236.2	4171348.9	Worker	Scenario 4	2.42E-02	6.32E-04	8.95E-04
9401	637336.2	4171348.9	Worker	Scenario 4	2.45E-02	6.43E-04	9.03E-04
9402	637436.2	4171348.9	Worker	Scenario 4	2.54E-02	6.68E-04	9.20E-04
9403	637536.2	4171348.9	Worker	Scenario 4	2.72E-02	7.11E-04	9.65E-04
9404	637636.2	4171348.9	Worker	Scenario 4	2.85E-02	7.40E-04	1.15E-03
9405	637736.2	4171348.9	Worker	Scenario 4	2.96E-02	7.68E-04	1.16E-03
9406	637836.2	4171348.9	Worker	Scenario 4	3.05E-02	7.93E-04	1.10E-03
9407	638136.2	4171348.9	Worker	Scenario 4	3.35E-02	8.65E-04	1.26E-03
9408	638236.2	4171348.9	Worker	Scenario 4	3.44E-02	8.85E-04	1.55E-03
9409	638336.2	4171348.9	Worker	Scenario 4	3.53E-02	9.05E-04	1.65E-03
9410	638436.2	4171348.9	Worker	Scenario 4	3.60E-02	9.23E-04	1.54E-03
9411	638536.2	4171348.9	Worker	Scenario 4	3.68E-02	9.38E-04	1.29E-03
9412	638636.2	4171348.9	Worker	Scenario 4	3.75E-02	9.51E-04	1.20E-03
9413	638736.2	4171348.9	Worker	Scenario 4	3.79E-02	9.57E-04	1.17E-03
9414	638836.2	4171348.9	Worker	Scenario 4	3.86E-02	9.69E-04	1.23E-03
9415	638936.2	4171348.9	Worker	Scenario 4	3.84E-02	9.64E-04	1.21E-03
9416	639036.2	4171348.9	Worker	Scenario 4	3.75E-02	9.39E-04	1.15E-03
9417	639136.2	4171348.9	Worker	Scenario 4	3.78E-02	9.42E-04	1.28E-03
9418	639236.2	4171348.9	Worker	Scenario 4	3.84E-02	9.52E-04	1.44E-03
9419	639336.2	4171348.9	Worker	Scenario 4	4.09E-02	1.00E-03	1.55E-03
9420	639436.2	4171348.9	Worker	Scenario 4	3.98E-02	9.71E-04	1.43E-03
9421	639536.2	4171348.9	Worker	Scenario 4	4.03E-02	9.75E-04	1.52E-03
9422	639636.2	4171348.9	Worker	Scenario 4	4.17E-02	9.99E-04	1.57E-03
9423	639736.2	4171348.9	Worker	Scenario 4	4.21E-02	1.00E-03	1.61E-03
9424	639836.2	4171348.9	Worker	Scenario 4	4.24E-02	1.00E-03	1.63E-03
9425	639936.2	4171348.9	Worker	Scenario 4	4.27E-02	1.00E-03	1.53E-03
9426	640036.2	4171348.9	Worker	Scenario 4	4.29E-02	1.00E-03	1.62E-03
9427	640136.2	4171348.9	Worker	Scenario 4	4.32E-02	1.00E-03	1.64E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9428	640236.2	4171348.9	Worker	Scenario 4	4.35E-02	1.00E-03	1.69E-03
9429	640336.2	4171348.9	Worker	Scenario 4	4.36E-02	9.98E-04	1.70E-03
9430	640436.2	4171348.9	Worker	Scenario 4	4.38E-02	9.95E-04	1.76E-03
9431	640536.2	4171348.9	Worker	Scenario 4	4.39E-02	9.90E-04	1.73E-03
9432	640636.2	4171348.9	Worker	Scenario 4	4.40E-02	9.84E-04	1.73E-03
9433	640736.2	4171348.9	Worker	Scenario 4	4.40E-02	9.75E-04	1.70E-03
9434	640836.2	4171348.9	Worker	Scenario 4	4.39E-02	9.65E-04	1.75E-03
9435	640936.2	4171348.9	Worker	Scenario 4	4.37E-02	9.53E-04	1.87E-03
9436	641036.2	4171348.9	Worker	Scenario 4	4.34E-02	9.39E-04	1.85E-03
9437	641136.2	4171348.9	Worker	Scenario 4	4.31E-02	9.25E-04	1.75E-03
9438	641236.2	4171348.9	Worker	Scenario 4	4.28E-02	9.14E-04	1.71E-03
9439	641336.2	4171348.9	Worker	Scenario 4	4.25E-02	9.04E-04	1.76E-03
9440	641436.2	4171348.9	Worker	Scenario 4	4.22E-02	8.93E-04	1.79E-03
9441	641536.2	4171348.9	Worker	Scenario 4	4.18E-02	8.79E-04	1.81E-03
9442	641636.2	4171348.9	Worker	Scenario 4	4.16E-02	8.67E-04	1.79E-03
9443	641736.2	4171348.9	Worker	Scenario 4	4.13E-02	8.55E-04	1.79E-03
9444	641836.2	4171348.9	Worker	Scenario 4	4.10E-02	8.43E-04	1.78E-03
9445	641936.2	4171348.9	Worker	Scenario 4	4.07E-02	8.30E-04	1.76E-03
9446	642036.2	4171348.9	Worker	Scenario 4	4.04E-02	8.18E-04	1.65E-03
9447	642136.2	4171348.9	Worker	Scenario 4	3.99E-02	8.04E-04	1.71E-03
9448	642236.2	4171348.9	Worker	Scenario 4	3.94E-02	7.93E-04	1.74E-03
9449	642336.2	4171348.9	Worker	Scenario 4	3.89E-02	7.82E-04	2.15E-03
9450	642436.2	4171348.9	Worker	Scenario 4	3.84E-02	7.71E-04	3.24E-03
9451	642536.2	4171348.9	Worker	Scenario 4	3.78E-02	7.59E-04	4.11E-03
9452	642636.2	4171348.9	Worker	Scenario 4	3.72E-02	7.46E-04	4.35E-03
9453	642736.2	4171348.9	Worker	Scenario 4	3.66E-02	7.33E-04	3.85E-03
9454	642836.2	4171348.9	Worker	Scenario 4	3.60E-02	7.19E-04	2.88E-03
9455	636236.2	4171448.9	Worker	Scenario 4	1.58E-02	4.04E-04	7.80E-04
9456	636636.2	4171448.9	Worker	Scenario 4	1.92E-02	4.92E-04	8.09E-04
9457	636736.2	4171448.9	Worker	Scenario 4	2.01E-02	5.15E-04	8.31E-04
9458	636836.2	4171448.9	Worker	Scenario 4	2.06E-02	5.32E-04	8.35E-04
9459	636936.2	4171448.9	Worker	Scenario 4	2.14E-02	5.54E-04	8.57E-04
9460	637036.2	4171448.9	Worker	Scenario 4	2.20E-02	5.71E-04	8.22E-04
9461	637136.2	4171448.9	Worker	Scenario 4	2.30E-02	5.98E-04	8.72E-04
9462	637236.2	4171448.9	Worker	Scenario 4	2.42E-02	6.28E-04	9.21E-04
9463	637336.2	4171448.9	Worker	Scenario 4	2.50E-02	6.49E-04	9.43E-04
9464	638036.2	4171448.9	Worker	Scenario 4	3.14E-02	8.09E-04	1.18E-03
9465	638136.2	4171448.9	Worker	Scenario 4	3.22E-02	8.27E-04	1.48E-03
9466	638236.2	4171448.9	Worker	Scenario 4	3.31E-02	8.45E-04	1.61E-03
9467	638336.2	4171448.9	Worker	Scenario 4	3.39E-02	8.63E-04	1.57E-03
9468	638436.2	4171448.9	Worker	Scenario 4	3.46E-02	8.79E-04	1.32E-03
9469	638536.2	4171448.9	Worker	Scenario 4	3.53E-02	8.91E-04	1.14E-03
9470	638636.2	4171448.9	Worker	Scenario 4	3.59E-02	9.03E-04	1.16E-03
9471	638736.2	4171448.9	Worker	Scenario 4	3.64E-02	9.11E-04	1.16E-03
9472	638836.2	4171448.9	Worker	Scenario 4	3.71E-02	9.22E-04	1.20E-03
9473	638936.2	4171448.9	Worker	Scenario 4	3.74E-02	9.27E-04	1.20E-03
9474	639036.2	4171448.9	Worker	Scenario 4	3.78E-02	9.31E-04	1.21E-03
9475	639136.2	4171448.9	Worker	Scenario 4	3.81E-02	9.36E-04	1.43E-03
9476	639236.2	4171448.9	Worker	Scenario 4	3.86E-02	9.43E-04	1.46E-03
9477	639336.2	4171448.9	Worker	Scenario 4	3.92E-02	9.49E-04	1.47E-03
9478	639436.2	4171448.9	Worker	Scenario 4	3.94E-02	9.48E-04	1.51E-03
9479	639536.2	4171448.9	Worker	Scenario 4	3.95E-02	9.46E-04	1.53E-03
9480	639636.2	4171448.9	Worker	Scenario 4	4.02E-02	9.54E-04	1.47E-03
9481	639736.2	4171448.9	Worker	Scenario 4	4.03E-02	9.54E-04	1.57E-03
9482	639836.2	4171448.9	Worker	Scenario 4	4.06E-02	9.54E-04	1.57E-03
9483	639936.2	4171448.9	Worker	Scenario 4	4.08E-02	9.54E-04	1.40E-03
9484	640036.2	4171448.9	Worker	Scenario 4	4.11E-02	9.54E-04	1.61E-03
9485	640136.2	4171448.9	Worker	Scenario 4	4.14E-02	9.53E-04	1.53E-03
9486	640236.2	4171448.9	Worker	Scenario 4	4.16E-02	9.53E-04	1.63E-03
9487	640336.2	4171448.9	Worker	Scenario 4	4.18E-02	9.51E-04	1.64E-03
9488	640436.2	4171448.9	Worker	Scenario 4	4.19E-02	9.48E-04	1.72E-03
9489	640536.2	4171448.9	Worker	Scenario 4	4.20E-02	9.43E-04	1.67E-03
9490	640636.2	4171448.9	Worker	Scenario 4	4.21E-02	9.37E-04	1.66E-03
9491	640736.2	4171448.9	Worker	Scenario 4	4.20E-02	9.28E-04	1.61E-03
9492	640836.2	4171448.9	Worker	Scenario 4	4.19E-02	9.18E-04	1.69E-03
9493	640936.2	4171448.9	Worker	Scenario 4	4.17E-02	9.07E-04	1.84E-03
9494	641036.2	4171448.9	Worker	Scenario 4	4.14E-02	8.93E-04	1.79E-03
9495	641136.2	4171448.9	Worker	Scenario 4	4.11E-02	8.80E-04	1.69E-03
9496	641236.2	4171448.9	Worker	Scenario 4	4.08E-02	8.71E-04	1.65E-03
9497	641336.2	4171448.9	Worker	Scenario 4	4.05E-02	8.62E-04	1.70E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9498	641436.2	4171448.9	Worker	Scenario 4	4.03E-02	8.53E-04	1.73E-03
9499	641536.2	4171448.9	Worker	Scenario 4	4.00E-02	8.41E-04	1.75E-03
9500	641636.2	4171448.9	Worker	Scenario 4	3.98E-02	8.30E-04	1.73E-03
9501	641736.2	4171448.9	Worker	Scenario 4	3.95E-02	8.19E-04	1.73E-03
9502	641836.2	4171448.9	Worker	Scenario 4	3.93E-02	8.07E-04	1.73E-03
9503	641936.2	4171448.9	Worker	Scenario 4	3.90E-02	7.96E-04	1.70E-03
9504	642036.2	4171448.9	Worker	Scenario 4	3.87E-02	7.84E-04	1.64E-03
9505	642136.2	4171448.9	Worker	Scenario 4	3.84E-02	7.73E-04	1.63E-03
9506	642236.2	4171448.9	Worker	Scenario 4	3.79E-02	7.62E-04	1.69E-03
9507	642336.2	4171448.9	Worker	Scenario 4	3.74E-02	7.51E-04	1.96E-03
9508	642436.2	4171448.9	Worker	Scenario 4	3.68E-02	7.39E-04	2.90E-03
9509	642536.2	4171448.9	Worker	Scenario 4	3.63E-02	7.29E-04	3.84E-03
9510	642636.2	4171448.9	Worker	Scenario 4	3.57E-02	7.18E-04	4.27E-03
9511	636536.2	4171548.9	Worker	Scenario 4	1.85E-02	4.72E-04	7.77E-04
9512	636636.2	4171548.9	Worker	Scenario 4	1.92E-02	4.91E-04	8.04E-04
9513	636736.2	4171548.9	Worker	Scenario 4	1.99E-02	5.11E-04	8.23E-04
9514	636836.2	4171548.9	Worker	Scenario 4	2.06E-02	5.31E-04	8.38E-04
9515	636936.2	4171548.9	Worker	Scenario 4	2.12E-02	5.48E-04	8.02E-04
9516	637036.2	4171548.9	Worker	Scenario 4	2.21E-02	5.71E-04	8.56E-04
9517	637136.2	4171548.9	Worker	Scenario 4	2.26E-02	5.86E-04	8.69E-04
9518	637236.2	4171548.9	Worker	Scenario 4	2.36E-02	6.12E-04	9.10E-04
9519	637936.2	4171548.9	Worker	Scenario 4	2.96E-02	7.59E-04	1.11E-03
9520	638036.2	4171548.9	Worker	Scenario 4	3.04E-02	7.77E-04	1.40E-03
9521	638136.2	4171548.9	Worker	Scenario 4	3.02E-02	7.73E-04	1.46E-03
9522	638236.2	4171548.9	Worker	Scenario 4	3.19E-02	8.08E-04	1.57E-03
9523	638336.2	4171548.9	Worker	Scenario 4	3.26E-02	8.24E-04	1.37E-03
9524	638436.2	4171548.9	Worker	Scenario 4	3.33E-02	8.38E-04	1.14E-03
9525	638536.2	4171548.9	Worker	Scenario 4	3.20E-02	8.10E-04	1.06E-03
9526	638636.2	4171548.9	Worker	Scenario 4	3.42E-02	8.55E-04	1.07E-03
9527	638736.2	4171548.9	Worker	Scenario 4	3.50E-02	8.69E-04	1.16E-03
9528	638836.2	4171548.9	Worker	Scenario 4	3.54E-02	8.75E-04	1.16E-03
9529	638936.2	4171548.9	Worker	Scenario 4	3.59E-02	8.81E-04	1.12E-03
9530	639036.2	4171548.9	Worker	Scenario 4	3.61E-02	8.84E-04	1.31E-03
9531	639136.2	4171548.9	Worker	Scenario 4	3.66E-02	8.91E-04	1.43E-03
9532	639236.2	4171548.9	Worker	Scenario 4	3.68E-02	8.92E-04	1.43E-03
9533	639336.2	4171548.9	Worker	Scenario 4	3.75E-02	9.01E-04	1.39E-03
9534	639436.2	4171548.9	Worker	Scenario 4	3.78E-02	9.02E-04	1.48E-03
9535	639536.2	4171548.9	Worker	Scenario 4	3.81E-02	9.02E-04	1.49E-03
9536	639636.2	4171548.9	Worker	Scenario 4	3.84E-02	9.05E-04	1.49E-03
9537	639736.2	4171548.9	Worker	Scenario 4	3.86E-02	9.07E-04	1.51E-03
9538	639836.2	4171548.9	Worker	Scenario 4	3.89E-02	9.08E-04	1.48E-03
9539	639936.2	4171548.9	Worker	Scenario 4	3.91E-02	9.08E-04	1.46E-03
9540	640036.2	4171548.9	Worker	Scenario 4	3.94E-02	9.08E-04	1.57E-03
9541	640136.2	4171548.9	Worker	Scenario 4	3.96E-02	9.09E-04	1.55E-03
9542	640236.2	4171548.9	Worker	Scenario 4	3.98E-02	9.09E-04	1.58E-03
9543	640336.2	4171548.9	Worker	Scenario 4	4.00E-02	9.07E-04	1.61E-03
9544	640436.2	4171548.9	Worker	Scenario 4	4.02E-02	9.05E-04	1.67E-03
9545	640536.2	4171548.9	Worker	Scenario 4	4.03E-02	9.00E-04	1.60E-03
9546	640636.2	4171548.9	Worker	Scenario 4	4.03E-02	8.94E-04	1.63E-03
9547	640736.2	4171548.9	Worker	Scenario 4	4.03E-02	8.86E-04	1.55E-03
9548	640836.2	4171548.9	Worker	Scenario 4	4.01E-02	8.76E-04	1.66E-03
9549	640936.2	4171548.9	Worker	Scenario 4	3.99E-02	8.64E-04	1.82E-03
9550	641036.2	4171548.9	Worker	Scenario 4	3.96E-02	8.51E-04	1.74E-03
9551	641136.2	4171548.9	Worker	Scenario 4	3.93E-02	8.40E-04	1.63E-03
9552	641236.2	4171548.9	Worker	Scenario 4	3.91E-02	8.32E-04	1.58E-03
9553	641336.2	4171548.9	Worker	Scenario 4	3.88E-02	8.24E-04	1.65E-03
9554	641436.2	4171548.9	Worker	Scenario 4	3.86E-02	8.16E-04	1.68E-03
9555	641536.2	4171548.9	Worker	Scenario 4	3.83E-02	8.05E-04	1.69E-03
9556	641636.2	4171548.9	Worker	Scenario 4	3.81E-02	7.95E-04	1.68E-03
9557	641736.2	4171548.9	Worker	Scenario 4	3.79E-02	7.85E-04	1.67E-03
9558	641836.2	4171548.9	Worker	Scenario 4	3.77E-02	7.74E-04	1.68E-03
9559	641936.2	4171548.9	Worker	Scenario 4	3.74E-02	7.63E-04	1.66E-03
9560	642036.2	4171548.9	Worker	Scenario 4	3.72E-02	7.52E-04	1.62E-03
9561	642136.2	4171548.9	Worker	Scenario 4	3.68E-02	7.41E-04	1.54E-03
9562	642236.2	4171548.9	Worker	Scenario 4	3.64E-02	7.31E-04	1.63E-03
9563	642336.2	4171548.9	Worker	Scenario 4	3.60E-02	7.22E-04	1.79E-03
9564	642436.2	4171548.9	Worker	Scenario 4	3.55E-02	7.12E-04	2.60E-03
9565	642536.2	4171548.9	Worker	Scenario 4	3.50E-02	7.03E-04	3.57E-03
9566	636336.2	4171648.9	Worker	Scenario 4	1.66E-02	4.24E-04	7.59E-04
9567	636536.2	4171648.9	Worker	Scenario 4	1.83E-02	4.69E-04	7.75E-04

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9568	636636.2	4171648.9	Worker	Scenario 4	1.90E-02	4.87E-04	7.98E-04
9569	636736.2	4171648.9	Worker	Scenario 4	1.96E-02	5.05E-04	8.07E-04
9570	636836.2	4171648.9	Worker	Scenario 4	2.04E-02	5.24E-04	7.78E-04
9571	636936.2	4171648.9	Worker	Scenario 4	2.10E-02	5.42E-04	8.30E-04
9572	637036.2	4171648.9	Worker	Scenario 4	2.15E-02	5.56E-04	8.42E-04
9573	637136.2	4171648.9	Worker	Scenario 4	2.22E-02	5.75E-04	8.58E-04
9574	637236.2	4171648.9	Worker	Scenario 4	2.31E-02	5.97E-04	9.48E-04
9575	637536.2	4171648.9	Worker	Scenario 4	2.54E-02	6.51E-04	1.11E-03
9576	637636.2	4171648.9	Worker	Scenario 4	2.62E-02	6.72E-04	9.97E-04
9577	637736.2	4171648.9	Worker	Scenario 4	2.70E-02	6.93E-04	9.26E-04
9578	637836.2	4171648.9	Worker	Scenario 4	2.79E-02	7.13E-04	1.05E-03
9579	637936.2	4171648.9	Worker	Scenario 4	2.87E-02	7.31E-04	1.32E-03
9580	638036.2	4171648.9	Worker	Scenario 4	2.94E-02	7.47E-04	1.52E-03
9581	638136.2	4171648.9	Worker	Scenario 4	2.89E-02	7.35E-04	1.43E-03
9582	638236.2	4171648.9	Worker	Scenario 4	2.95E-02	7.49E-04	1.30E-03
9583	638336.2	4171648.9	Worker	Scenario 4	3.13E-02	7.86E-04	1.13E-03
9584	638436.2	4171648.9	Worker	Scenario 4	3.19E-02	7.97E-04	1.08E-03
9585	638536.2	4171648.9	Worker	Scenario 4	3.09E-02	7.76E-04	1.00E-03
9586	638636.2	4171648.9	Worker	Scenario 4	3.18E-02	7.93E-04	1.06E-03
9587	638736.2	4171648.9	Worker	Scenario 4	3.20E-02	7.96E-04	1.06E-03
9588	638836.2	4171648.9	Worker	Scenario 4	3.39E-02	8.33E-04	1.11E-03
9589	638936.2	4171648.9	Worker	Scenario 4	3.43E-02	8.38E-04	1.17E-03
9590	639036.2	4171648.9	Worker	Scenario 4	3.48E-02	8.46E-04	1.36E-03
9591	639136.2	4171648.9	Worker	Scenario 4	3.53E-02	8.53E-04	1.38E-03
9592	639236.2	4171648.9	Worker	Scenario 4	3.57E-02	8.57E-04	1.38E-03
9593	639336.2	4171648.9	Worker	Scenario 4	3.59E-02	8.57E-04	1.42E-03
9594	639436.2	4171648.9	Worker	Scenario 4	3.62E-02	8.58E-04	1.44E-03
9595	639536.2	4171648.9	Worker	Scenario 4	3.65E-02	8.59E-04	1.39E-03
9596	639636.2	4171648.9	Worker	Scenario 4	3.68E-02	8.62E-04	1.48E-03
9597	639736.2	4171648.9	Worker	Scenario 4	3.71E-02	8.64E-04	1.48E-03
9598	639836.2	4171648.9	Worker	Scenario 4	3.72E-02	8.64E-04	1.35E-03
9599	639936.2	4171648.9	Worker	Scenario 4	3.75E-02	8.66E-04	1.48E-03
9600	640036.2	4171648.9	Worker	Scenario 4	3.78E-02	8.67E-04	1.49E-03
9601	640136.2	4171648.9	Worker	Scenario 4	3.80E-02	8.68E-04	1.53E-03
9602	640236.2	4171648.9	Worker	Scenario 4	3.82E-02	8.68E-04	1.55E-03
9603	640336.2	4171648.9	Worker	Scenario 4	3.84E-02	8.67E-04	1.57E-03
9604	640436.2	4171648.9	Worker	Scenario 4	3.85E-02	8.64E-04	1.60E-03
9605	640536.2	4171648.9	Worker	Scenario 4	3.86E-02	8.60E-04	1.57E-03
9606	640636.2	4171648.9	Worker	Scenario 4	3.86E-02	8.54E-04	1.58E-03
9607	640736.2	4171648.9	Worker	Scenario 4	3.86E-02	8.46E-04	1.54E-03
9608	640836.2	4171648.9	Worker	Scenario 4	3.84E-02	8.36E-04	1.66E-03
9609	640936.2	4171648.9	Worker	Scenario 4	3.82E-02	8.25E-04	1.79E-03
9610	641036.2	4171648.9	Worker	Scenario 4	3.79E-02	8.13E-04	1.68E-03
9611	641136.2	4171648.9	Worker	Scenario 4	3.77E-02	8.03E-04	1.58E-03
9612	641236.2	4171648.9	Worker	Scenario 4	3.74E-02	7.96E-04	1.52E-03
9613	641336.2	4171648.9	Worker	Scenario 4	3.72E-02	7.89E-04	1.59E-03
9614	641436.2	4171648.9	Worker	Scenario 4	3.70E-02	7.82E-04	1.63E-03
9615	641536.2	4171648.9	Worker	Scenario 4	3.68E-02	7.72E-04	1.64E-03
9616	641636.2	4171648.9	Worker	Scenario 4	3.66E-02	7.62E-04	1.63E-03
9617	641736.2	4171648.9	Worker	Scenario 4	3.64E-02	7.53E-04	1.61E-03
9618	641836.2	4171648.9	Worker	Scenario 4	3.62E-02	7.44E-04	1.62E-03
9619	641936.2	4171648.9	Worker	Scenario 4	3.60E-02	7.33E-04	1.61E-03
9620	642036.2	4171648.9	Worker	Scenario 4	3.57E-02	7.23E-04	1.59E-03
9621	642136.2	4171648.9	Worker	Scenario 4	3.54E-02	7.12E-04	1.46E-03
9622	642236.2	4171648.9	Worker	Scenario 4	3.50E-02	7.02E-04	1.59E-03
9623	642336.2	4171648.9	Worker	Scenario 4	3.46E-02	6.94E-04	1.68E-03
9624	636336.2	4171748.9	Worker	Scenario 4	1.66E-02	4.25E-04	7.45E-04
9625	636536.2	4171748.9	Worker	Scenario 4	1.81E-02	4.65E-04	7.73E-04
9626	636636.2	4171748.9	Worker	Scenario 4	1.87E-02	4.82E-04	7.79E-04
9627	636736.2	4171748.9	Worker	Scenario 4	1.94E-02	4.98E-04	7.45E-04
9628	636836.2	4171748.9	Worker	Scenario 4	2.00E-02	5.16E-04	8.05E-04
9629	636936.2	4171748.9	Worker	Scenario 4	2.07E-02	5.32E-04	8.23E-04
9630	637036.2	4171748.9	Worker	Scenario 4	2.13E-02	5.48E-04	8.36E-04
9631	637136.2	4171748.9	Worker	Scenario 4	2.21E-02	5.67E-04	9.15E-04
9632	637336.2	4171748.9	Worker	Scenario 4	2.34E-02	6.00E-04	1.10E-03
9633	637436.2	4171748.9	Worker	Scenario 4	2.40E-02	6.16E-04	1.09E-03
9634	637536.2	4171748.9	Worker	Scenario 4	2.48E-02	6.34E-04	9.91E-04
9635	637636.2	4171748.9	Worker	Scenario 4	2.55E-02	6.52E-04	8.84E-04
9636	637736.2	4171748.9	Worker	Scenario 4	2.63E-02	6.71E-04	9.99E-04
9637	637836.2	4171748.9	Worker	Scenario 4	2.71E-02	6.89E-04	1.25E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9638	637936.2	4171748.9	Worker	Scenario 4	2.78E-02	7.05E-04	1.46E-03
9639	638036.2	4171748.9	Worker	Scenario 4	2.85E-02	7.18E-04	1.54E-03
9640	638136.2	4171748.9	Worker	Scenario 4	2.79E-02	7.06E-04	1.31E-03
9641	638236.2	4171748.9	Worker	Scenario 4	2.85E-02	7.19E-04	1.09E-03
9642	638336.2	4171748.9	Worker	Scenario 4	2.91E-02	7.31E-04	9.90E-04
9643	638436.2	4171748.9	Worker	Scenario 4	3.07E-02	7.63E-04	1.04E-03
9644	638536.2	4171748.9	Worker	Scenario 4	3.06E-02	7.61E-04	1.02E-03
9645	638636.2	4171748.9	Worker	Scenario 4	3.06E-02	7.58E-04	1.04E-03
9646	638736.2	4171748.9	Worker	Scenario 4	3.09E-02	7.62E-04	1.04E-03
9647	638836.2	4171748.9	Worker	Scenario 4	3.27E-02	7.97E-04	1.04E-03
9648	638936.2	4171748.9	Worker	Scenario 4	3.26E-02	7.93E-04	1.23E-03
9649	639036.2	4171748.9	Worker	Scenario 4	3.26E-02	7.90E-04	1.30E-03
9650	639136.2	4171748.9	Worker	Scenario 4	3.32E-02	8.00E-04	1.32E-03
9651	639236.2	4171748.9	Worker	Scenario 4	3.30E-02	7.92E-04	1.25E-03
9652	639336.2	4171748.9	Worker	Scenario 4	3.44E-02	8.16E-04	1.38E-03
9653	639436.2	4171748.9	Worker	Scenario 4	3.46E-02	8.14E-04	1.39E-03
9654	639536.2	4171748.9	Worker	Scenario 4	3.48E-02	8.15E-04	1.37E-03
9655	639636.2	4171748.9	Worker	Scenario 4	3.52E-02	8.21E-04	1.42E-03
9656	639736.2	4171748.9	Worker	Scenario 4	3.55E-02	8.23E-04	1.41E-03
9657	639836.2	4171748.9	Worker	Scenario 4	3.55E-02	8.21E-04	1.28E-03
9658	639936.2	4171748.9	Worker	Scenario 4	3.58E-02	8.24E-04	1.46E-03
9659	640036.2	4171748.9	Worker	Scenario 4	3.60E-02	8.24E-04	1.37E-03
9660	640136.2	4171748.9	Worker	Scenario 4	3.61E-02	8.23E-04	1.47E-03
9661	640236.2	4171748.9	Worker	Scenario 4	3.61E-02	8.20E-04	1.46E-03
9662	640336.2	4171748.9	Worker	Scenario 4	3.63E-02	8.19E-04	1.52E-03
9663	640436.2	4171748.9	Worker	Scenario 4	3.70E-02	8.28E-04	1.53E-03
9664	640536.2	4171748.9	Worker	Scenario 4	3.70E-02	8.22E-04	1.53E-03
9665	640636.2	4171748.9	Worker	Scenario 4	3.71E-02	8.16E-04	1.52E-03
9666	640736.2	4171748.9	Worker	Scenario 4	3.70E-02	8.09E-04	1.52E-03
9667	640836.2	4171748.9	Worker	Scenario 4	3.69E-02	7.99E-04	1.66E-03
9668	640936.2	4171748.9	Worker	Scenario 4	3.66E-02	7.88E-04	1.75E-03
9669	641036.2	4171748.9	Worker	Scenario 4	3.63E-02	7.77E-04	1.63E-03
9670	641136.2	4171748.9	Worker	Scenario 4	3.61E-02	7.68E-04	1.54E-03
9671	641236.2	4171748.9	Worker	Scenario 4	3.59E-02	7.63E-04	1.46E-03
9672	641336.2	4171748.9	Worker	Scenario 4	3.57E-02	7.57E-04	1.54E-03
9673	641436.2	4171748.9	Worker	Scenario 4	3.55E-02	7.50E-04	1.58E-03
9674	641536.2	4171748.9	Worker	Scenario 4	3.54E-02	7.42E-04	1.59E-03
9675	641636.2	4171748.9	Worker	Scenario 4	3.52E-02	7.33E-04	1.59E-03
9676	641736.2	4171748.9	Worker	Scenario 4	3.50E-02	7.24E-04	1.56E-03
9677	641836.2	4171748.9	Worker	Scenario 4	3.49E-02	7.15E-04	1.57E-03
9678	641936.2	4171748.9	Worker	Scenario 4	3.46E-02	7.06E-04	1.57E-03
9679	642036.2	4171748.9	Worker	Scenario 4	3.44E-02	6.95E-04	1.55E-03
9680	636536.2	4171848.9	Worker	Scenario 4	1.80E-02	4.61E-04	7.53E-04
9681	636636.2	4171848.9	Worker	Scenario 4	1.86E-02	4.76E-04	7.24E-04
9682	636736.2	4171848.9	Worker	Scenario 4	1.90E-02	4.90E-04	7.76E-04
9683	636836.2	4171848.9	Worker	Scenario 4	1.97E-02	5.06E-04	7.94E-04
9684	636936.2	4171848.9	Worker	Scenario 4	2.04E-02	5.24E-04	8.15E-04
9685	637036.2	4171848.9	Worker	Scenario 4	2.09E-02	5.38E-04	9.04E-04
9686	637236.2	4171848.9	Worker	Scenario 4	2.22E-02	5.69E-04	1.08E-03
9687	637336.2	4171848.9	Worker	Scenario 4	2.29E-02	5.85E-04	1.07E-03
9688	637436.2	4171848.9	Worker	Scenario 4	2.36E-02	6.00E-04	9.81E-04
9689	637536.2	4171848.9	Worker	Scenario 4	2.42E-02	6.16E-04	8.53E-04
9690	637636.2	4171848.9	Worker	Scenario 4	2.49E-02	6.33E-04	9.51E-04
9691	637736.2	4171848.9	Worker	Scenario 4	2.56E-02	6.51E-04	1.17E-03
9692	637836.2	4171848.9	Worker	Scenario 4	2.64E-02	6.67E-04	1.40E-03
9693	637936.2	4171848.9	Worker	Scenario 4	2.70E-02	6.80E-04	1.50E-03
9694	638036.2	4171848.9	Worker	Scenario 4	2.76E-02	6.92E-04	1.44E-03
9695	638136.2	4171848.9	Worker	Scenario 4	2.70E-02	6.79E-04	1.13E-03
9696	638236.2	4171848.9	Worker	Scenario 4	2.77E-02	6.92E-04	9.76E-04
9697	638336.2	4171848.9	Worker	Scenario 4	2.83E-02	7.06E-04	9.83E-04
9698	638436.2	4171848.9	Worker	Scenario 4	2.88E-02	7.14E-04	9.45E-04
9699	638536.2	4171848.9	Worker	Scenario 4	3.00E-02	7.38E-04	1.04E-03
9700	638636.2	4171848.9	Worker	Scenario 4	3.00E-02	7.36E-04	1.03E-03
9701	638736.2	4171848.9	Worker	Scenario 4	3.01E-02	7.36E-04	9.89E-04
9702	638836.2	4171848.9	Worker	Scenario 4	3.16E-02	7.63E-04	1.14E-03
9703	638936.2	4171848.9	Worker	Scenario 4	3.16E-02	7.64E-04	1.27E-03
9704	639036.2	4171848.9	Worker	Scenario 4	3.18E-02	7.65E-04	1.27E-03
9705	639136.2	4171848.9	Worker	Scenario 4	3.19E-02	7.65E-04	1.25E-03
9706	639236.2	4171848.9	Worker	Scenario 4	3.19E-02	7.61E-04	1.28E-03
9707	639336.2	4171848.9	Worker	Scenario 4	3.28E-02	7.74E-04	1.33E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9708	639436.2	4171848.9	Worker	Scenario 4	3.31E-02	7.74E-04	1.30E-03
9709	639536.2	4171848.9	Worker	Scenario 4	3.34E-02	7.76E-04	1.37E-03
9710	639636.2	4171848.9	Worker	Scenario 4	3.39E-02	7.84E-04	1.39E-03
9711	639736.2	4171848.9	Worker	Scenario 4	3.41E-02	7.86E-04	1.31E-03
9712	639836.2	4171848.9	Worker	Scenario 4	3.33E-02	7.67E-04	1.29E-03
9713	639936.2	4171848.9	Worker	Scenario 4	3.35E-02	7.70E-04	1.37E-03
9714	640036.2	4171848.9	Worker	Scenario 4	3.38E-02	7.72E-04	1.35E-03
9715	640136.2	4171848.9	Worker	Scenario 4	3.40E-02	7.75E-04	1.38E-03
9716	640236.2	4171848.9	Worker	Scenario 4	3.43E-02	7.76E-04	1.40E-03
9717	640336.2	4171848.9	Worker	Scenario 4	3.45E-02	7.76E-04	1.47E-03
9718	640436.2	4171848.9	Worker	Scenario 4	3.56E-02	7.93E-04	1.48E-03
9719	640536.2	4171848.9	Worker	Scenario 4	3.56E-02	7.88E-04	1.47E-03
9720	640636.2	4171848.9	Worker	Scenario 4	3.56E-02	7.82E-04	1.46E-03
9721	640736.2	4171848.9	Worker	Scenario 4	3.55E-02	7.75E-04	1.49E-03
9722	640836.2	4171848.9	Worker	Scenario 4	3.54E-02	7.65E-04	1.66E-03
9723	640936.2	4171848.9	Worker	Scenario 4	3.51E-02	7.55E-04	1.72E-03
9724	641036.2	4171848.9	Worker	Scenario 4	3.49E-02	7.45E-04	1.58E-03
9725	641136.2	4171848.9	Worker	Scenario 4	3.46E-02	7.37E-04	1.50E-03
9726	641236.2	4171848.9	Worker	Scenario 4	3.45E-02	7.32E-04	1.41E-03
9727	641336.2	4171848.9	Worker	Scenario 4	3.43E-02	7.27E-04	1.49E-03
9728	641436.2	4171848.9	Worker	Scenario 4	3.41E-02	7.20E-04	1.53E-03
9729	641536.2	4171848.9	Worker	Scenario 4	3.40E-02	7.13E-04	1.54E-03
9730	641636.2	4171848.9	Worker	Scenario 4	3.39E-02	7.05E-04	1.54E-03
9731	636536.2	4171948.9	Worker	Scenario 4	1.78E-02	4.56E-04	7.05E-04
9732	636636.2	4171948.9	Worker	Scenario 4	1.82E-02	4.68E-04	7.54E-04
9733	636736.2	4171948.9	Worker	Scenario 4	1.88E-02	4.82E-04	7.66E-04
9734	636836.2	4171948.9	Worker	Scenario 4	1.94E-02	4.98E-04	7.86E-04
9735	636936.2	4171948.9	Worker	Scenario 4	2.00E-02	5.12E-04	8.84E-04
9736	637236.2	4171948.9	Worker	Scenario 4	2.18E-02	5.56E-04	1.05E-03
9737	637336.2	4171948.9	Worker	Scenario 4	2.24E-02	5.70E-04	9.74E-04
9738	637436.2	4171948.9	Worker	Scenario 4	2.30E-02	5.85E-04	8.42E-04
9739	637536.2	4171948.9	Worker	Scenario 4	2.37E-02	6.00E-04	9.09E-04
9740	637636.2	4171948.9	Worker	Scenario 4	2.43E-02	6.16E-04	1.10E-03
9741	637736.2	4171948.9	Worker	Scenario 4	2.50E-02	6.31E-04	1.34E-03
9742	637836.2	4171948.9	Worker	Scenario 4	2.56E-02	6.45E-04	1.47E-03
9743	637936.2	4171948.9	Worker	Scenario 4	2.62E-02	6.56E-04	1.45E-03
9744	638136.2	4171948.9	Worker	Scenario 4	2.62E-02	6.54E-04	9.61E-04
9745	638236.2	4171948.9	Worker	Scenario 4	2.68E-02	6.66E-04	9.46E-04
9746	638336.2	4171948.9	Worker	Scenario 4	2.74E-02	6.79E-04	9.26E-04
9747	638436.2	4171948.9	Worker	Scenario 4	2.80E-02	6.89E-04	9.76E-04
9748	638536.2	4171948.9	Worker	Scenario 4	2.83E-02	6.93E-04	9.71E-04
9749	638636.2	4171948.9	Worker	Scenario 4	2.91E-02	7.08E-04	9.96E-04
9750	638736.2	4171948.9	Worker	Scenario 4	2.96E-02	7.16E-04	9.89E-04
9751	638836.2	4171948.9	Worker	Scenario 4	3.04E-02	7.31E-04	1.20E-03
9752	638936.2	4171948.9	Worker	Scenario 4	3.00E-02	7.23E-04	1.22E-03
9753	639036.2	4171948.9	Worker	Scenario 4	2.98E-02	7.17E-04	1.21E-03
9754	639136.2	4171948.9	Worker	Scenario 4	3.01E-02	7.19E-04	1.16E-03
9755	639236.2	4171948.9	Worker	Scenario 4	3.08E-02	7.30E-04	1.26E-03
9756	639336.2	4171948.9	Worker	Scenario 4	3.15E-02	7.40E-04	1.30E-03
9757	639436.2	4171948.9	Worker	Scenario 4	3.18E-02	7.39E-04	1.26E-03
9758	639536.2	4171948.9	Worker	Scenario 4	3.20E-02	7.42E-04	1.33E-03
9759	639636.2	4171948.9	Worker	Scenario 4	3.26E-02	7.50E-04	1.35E-03
9760	639736.2	4171948.9	Worker	Scenario 4	3.28E-02	7.52E-04	1.19E-03
9761	639836.2	4171948.9	Worker	Scenario 4	3.21E-02	7.36E-04	1.31E-03
9762	639936.2	4171948.9	Worker	Scenario 4	3.23E-02	7.39E-04	1.31E-03
9763	640036.2	4171948.9	Worker	Scenario 4	3.26E-02	7.41E-04	1.35E-03
9764	640136.2	4171948.9	Worker	Scenario 4	3.28E-02	7.44E-04	1.36E-03
9765	640236.2	4171948.9	Worker	Scenario 4	3.30E-02	7.45E-04	1.38E-03
9766	640336.2	4171948.9	Worker	Scenario 4	3.32E-02	7.45E-04	1.42E-03
9767	636736.2	4172048.9	Worker	Scenario 4	1.86E-02	4.76E-04	7.80E-04
9768	636836.2	4172048.9	Worker	Scenario 4	1.93E-02	4.91E-04	8.41E-04
9769	637236.2	4172048.9	Worker	Scenario 4	2.14E-02	5.44E-04	9.62E-04
9770	637336.2	4172048.9	Worker	Scenario 4	2.20E-02	5.56E-04	8.40E-04
9771	637436.2	4172048.9	Worker	Scenario 4	2.25E-02	5.70E-04	8.68E-04
9772	637536.2	4172048.9	Worker	Scenario 4	2.31E-02	5.84E-04	1.03E-03
9773	637636.2	4172048.9	Worker	Scenario 4	2.38E-02	5.98E-04	1.28E-03
9774	637736.2	4172048.9	Worker	Scenario 4	2.44E-02	6.12E-04	1.43E-03
9775	637836.2	4172048.9	Worker	Scenario 4	2.49E-02	6.24E-04	1.44E-03
9776	637936.2	4172048.9	Worker	Scenario 4	2.54E-02	6.33E-04	1.30E-03
9777	638136.2	4172048.9	Worker	Scenario 4	2.54E-02	6.31E-04	9.05E-04

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9778	638236.2	4172048.9	Worker	Scenario 4	2.60E-02	6.41E-04	9.09E-04
9779	638336.2	4172048.9	Worker	Scenario 4	2.66E-02	6.53E-04	9.21E-04
9780	638436.2	4172048.9	Worker	Scenario 4	2.71E-02	6.62E-04	9.57E-04
9781	638536.2	4172048.9	Worker	Scenario 4	2.74E-02	6.68E-04	9.63E-04
9782	638636.2	4172048.9	Worker	Scenario 4	2.78E-02	6.74E-04	9.22E-04
9783	638736.2	4172048.9	Worker	Scenario 4	2.83E-02	6.82E-04	1.07E-03
9784	638836.2	4172048.9	Worker	Scenario 4	2.93E-02	7.02E-04	1.22E-03
9785	638936.2	4172048.9	Worker	Scenario 4	2.82E-02	6.78E-04	1.15E-03
9786	639036.2	4172048.9	Worker	Scenario 4	2.94E-02	7.02E-04	1.17E-03
9787	639136.2	4172048.9	Worker	Scenario 4	2.90E-02	6.90E-04	1.19E-03
9788	639236.2	4172048.9	Worker	Scenario 4	3.06E-02	7.17E-04	1.26E-03
9789	639336.2	4172048.9	Worker	Scenario 4	3.04E-02	7.08E-04	1.23E-03
9790	639436.2	4172048.9	Worker	Scenario 4	3.05E-02	7.07E-04	1.27E-03
9791	639536.2	4172048.9	Worker	Scenario 4	3.08E-02	7.09E-04	1.28E-03
9792	639636.2	4172048.9	Worker	Scenario 4	3.14E-02	7.19E-04	1.27E-03
9793	639736.2	4172048.9	Worker	Scenario 4	3.16E-02	7.21E-04	1.20E-03
9794	639836.2	4172048.9	Worker	Scenario 4	3.09E-02	7.06E-04	1.29E-03
9795	639936.2	4172048.9	Worker	Scenario 4	3.12E-02	7.09E-04	1.22E-03
9796	640036.2	4172048.9	Worker	Scenario 4	3.14E-02	7.12E-04	1.32E-03
9797	640136.2	4172048.9	Worker	Scenario 4	3.16E-02	7.15E-04	1.32E-03
9798	637136.2	4172148.9	Worker	Scenario 4	2.05E-02	5.19E-04	9.50E-04
9799	637236.2	4172148.9	Worker	Scenario 4	2.10E-02	5.31E-04	8.35E-04
9800	637336.2	4172148.9	Worker	Scenario 4	2.15E-02	5.43E-04	8.30E-04
9801	637436.2	4172148.9	Worker	Scenario 4	2.21E-02	5.55E-04	9.65E-04
9802	637536.2	4172148.9	Worker	Scenario 4	2.26E-02	5.68E-04	1.21E-03
9803	637636.2	4172148.9	Worker	Scenario 4	2.32E-02	5.81E-04	1.39E-03
9804	637736.2	4172148.9	Worker	Scenario 4	2.37E-02	5.93E-04	1.43E-03
9805	637836.2	4172148.9	Worker	Scenario 4	2.42E-02	6.02E-04	1.32E-03
9806	637936.2	4172148.9	Worker	Scenario 4	2.47E-02	6.11E-04	1.10E-03
9807	638136.2	4172148.9	Worker	Scenario 4	2.46E-02	6.07E-04	8.85E-04
9808	638236.2	4172148.9	Worker	Scenario 4	2.51E-02	6.17E-04	8.57E-04
9809	638336.2	4172148.9	Worker	Scenario 4	2.57E-02	6.28E-04	9.23E-04
9810	638436.2	4172148.9	Worker	Scenario 4	2.62E-02	6.37E-04	9.29E-04
9811	638536.2	4172148.9	Worker	Scenario 4	2.67E-02	6.45E-04	9.22E-04
9812	638636.2	4172148.9	Worker	Scenario 4	2.71E-02	6.51E-04	9.58E-04
9813	638736.2	4172148.9	Worker	Scenario 4	2.76E-02	6.60E-04	1.12E-03
9814	638836.2	4172148.9	Worker	Scenario 4	2.82E-02	6.72E-04	1.17E-03
9815	638936.2	4172148.9	Worker	Scenario 4	2.87E-02	6.81E-04	1.20E-03
9816	639036.2	4172148.9	Worker	Scenario 4	2.79E-02	6.63E-04	1.10E-03
9817	639136.2	4172148.9	Worker	Scenario 4	2.90E-02	6.82E-04	1.21E-03
9818	639236.2	4172148.9	Worker	Scenario 4	2.91E-02	6.80E-04	1.22E-03
9819	639336.2	4172148.9	Worker	Scenario 4	2.92E-02	6.79E-04	1.16E-03
9820	639436.2	4172148.9	Worker	Scenario 4	2.94E-02	6.78E-04	1.25E-03
9821	639536.2	4172148.9	Worker	Scenario 4	2.96E-02	6.80E-04	1.25E-03
9822	639636.2	4172148.9	Worker	Scenario 4	3.03E-02	6.90E-04	1.17E-03
9823	639736.2	4172148.9	Worker	Scenario 4	3.04E-02	6.92E-04	1.24E-03
9824	639836.2	4172148.9	Worker	Scenario 4	2.98E-02	6.79E-04	1.26E-03
9825	639936.2	4172148.9	Worker	Scenario 4	3.01E-02	6.82E-04	1.23E-03
9826	640036.2	4172148.9	Worker	Scenario 4	3.03E-02	6.85E-04	1.27E-03
9827	637036.2	4172248.9	Worker	Scenario 4	1.96E-02	4.96E-04	9.46E-04
9828	637136.2	4172248.9	Worker	Scenario 4	2.01E-02	5.07E-04	8.34E-04
9829	637236.2	4172248.9	Worker	Scenario 4	2.06E-02	5.18E-04	7.88E-04
9830	637336.2	4172248.9	Worker	Scenario 4	2.11E-02	5.29E-04	9.02E-04
9831	637436.2	4172248.9	Worker	Scenario 4	2.16E-02	5.40E-04	1.14E-03
9832	637536.2	4172248.9	Worker	Scenario 4	2.21E-02	5.53E-04	1.34E-03
9833	637636.2	4172248.9	Worker	Scenario 4	2.26E-02	5.64E-04	1.41E-03
9834	637736.2	4172248.9	Worker	Scenario 4	2.31E-02	5.74E-04	1.34E-03
9835	637836.2	4172248.9	Worker	Scenario 4	2.36E-02	5.83E-04	1.14E-03
9836	637936.2	4172248.9	Worker	Scenario 4	2.40E-02	5.90E-04	9.22E-04
9837	638136.2	4172248.9	Worker	Scenario 4	2.39E-02	5.86E-04	8.31E-04
9838	638236.2	4172248.9	Worker	Scenario 4	2.44E-02	5.96E-04	8.81E-04
9839	638336.2	4172248.9	Worker	Scenario 4	2.49E-02	6.05E-04	8.91E-04
9840	638436.2	4172248.9	Worker	Scenario 4	2.54E-02	6.14E-04	9.07E-04
9841	638536.2	4172248.9	Worker	Scenario 4	2.59E-02	6.22E-04	8.65E-04
9842	638636.2	4172248.9	Worker	Scenario 4	2.66E-02	6.36E-04	1.05E-03
9843	638736.2	4172248.9	Worker	Scenario 4	2.65E-02	6.33E-04	1.12E-03
9844	638836.2	4172248.9	Worker	Scenario 4	2.69E-02	6.40E-04	1.13E-03
9845	638936.2	4172248.9	Worker	Scenario 4	2.74E-02	6.50E-04	1.11E-03
9846	639036.2	4172248.9	Worker	Scenario 4	2.81E-02	6.60E-04	1.18E-03
9847	639136.2	4172248.9	Worker	Scenario 4	2.82E-02	6.61E-04	1.18E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9848	639236.2	4172248.9	Worker	Scenario 4	2.84E-02	6.60E-04	1.18E-03
9849	639336.2	4172248.9	Worker	Scenario 4	2.85E-02	6.58E-04	1.20E-03
9850	639436.2	4172248.9	Worker	Scenario 4	2.87E-02	6.56E-04	1.21E-03
9851	639536.2	4172248.9	Worker	Scenario 4	2.88E-02	6.57E-04	1.21E-03
9852	639736.2	4172248.9	Worker	Scenario 4	2.93E-02	6.64E-04	1.24E-03
9853	639836.2	4172248.9	Worker	Scenario 4	2.88E-02	6.54E-04	1.20E-03
9854	637236.2	4172348.9	Worker	Scenario 4	2.01E-02	5.05E-04	8.56E-04
9855	637336.2	4172348.9	Worker	Scenario 4	2.06E-02	5.15E-04	1.08E-03
9856	637436.2	4172348.9	Worker	Scenario 4	2.11E-02	5.26E-04	1.28E-03
9857	637536.2	4172348.9	Worker	Scenario 4	2.16E-02	5.37E-04	1.38E-03
9858	637636.2	4172348.9	Worker	Scenario 4	2.21E-02	5.47E-04	1.34E-03
9859	637736.2	4172348.9	Worker	Scenario 4	2.25E-02	5.56E-04	1.18E-03
9860	637836.2	4172348.9	Worker	Scenario 4	2.29E-02	5.64E-04	9.40E-04
9861	637936.2	4172348.9	Worker	Scenario 4	2.33E-02	5.71E-04	8.69E-04
9862	638136.2	4172348.9	Worker	Scenario 4	2.30E-02	5.61E-04	8.20E-04
9863	638236.2	4172348.9	Worker	Scenario 4	2.38E-02	5.78E-04	8.72E-04
9864	638336.2	4172348.9	Worker	Scenario 4	2.42E-02	5.84E-04	8.78E-04
9865	638436.2	4172348.9	Worker	Scenario 4	2.44E-02	5.87E-04	8.45E-04
9866	638536.2	4172348.9	Worker	Scenario 4	2.55E-02	6.07E-04	9.52E-04
9867	638636.2	4172348.9	Worker	Scenario 4	2.54E-02	6.04E-04	1.06E-03
9868	638736.2	4172348.9	Worker	Scenario 4	2.57E-02	6.10E-04	1.08E-03
9869	638836.2	4172348.9	Worker	Scenario 4	2.60E-02	6.16E-04	1.10E-03
9870	638936.2	4172348.9	Worker	Scenario 4	2.66E-02	6.27E-04	1.08E-03
9871	639036.2	4172348.9	Worker	Scenario 4	2.71E-02	6.34E-04	1.16E-03
9872	639136.2	4172348.9	Worker	Scenario 4	2.74E-02	6.37E-04	1.17E-03
9873	639236.2	4172348.9	Worker	Scenario 4	2.76E-02	6.37E-04	1.11E-03
9874	639336.2	4172348.9	Worker	Scenario 4	2.75E-02	6.31E-04	1.19E-03
9875	639436.2	4172348.9	Worker	Scenario 4	2.75E-02	6.28E-04	1.18E-03
9876	639536.2	4172348.9	Worker	Scenario 4	2.77E-02	6.30E-04	1.13E-03
9877	637636.2	4172448.9	Worker	Scenario 4	2.15E-02	5.31E-04	1.20E-03
9878	637736.2	4172448.9	Worker	Scenario 4	2.19E-02	5.39E-04	9.81E-04
9879	637836.2	4172448.9	Worker	Scenario 4	2.23E-02	5.46E-04	8.51E-04
9880	637936.2	4172448.9	Worker	Scenario 4	2.27E-02	5.52E-04	8.42E-04
9881	638136.2	4172448.9	Worker	Scenario 4	2.21E-02	5.38E-04	8.17E-04
9882	638236.2	4172448.9	Worker	Scenario 4	2.25E-02	5.45E-04	8.18E-04
9883	638336.2	4172448.9	Worker	Scenario 4	2.31E-02	5.56E-04	8.30E-04
9884	638436.2	4172448.9	Worker	Scenario 4	2.44E-02	5.81E-04	8.48E-04
9885	638536.2	4172448.9	Worker	Scenario 4	2.43E-02	5.78E-04	9.91E-04
9886	638636.2	4172448.9	Worker	Scenario 4	2.46E-02	5.84E-04	1.06E-03
9887	638736.2	4172448.9	Worker	Scenario 4	2.50E-02	5.91E-04	1.07E-03
9888	638836.2	4172448.9	Worker	Scenario 4	2.53E-02	5.97E-04	1.04E-03
9889	638936.2	4172448.9	Worker	Scenario 4	2.57E-02	6.03E-04	1.10E-03
9890	639036.2	4172448.9	Worker	Scenario 4	2.61E-02	6.09E-04	1.11E-03
9891	639136.2	4172448.9	Worker	Scenario 4	2.64E-02	6.12E-04	1.13E-03
9892	639236.2	4172448.9	Worker	Scenario 4	2.66E-02	6.12E-04	1.13E-03
9893	639336.2	4172448.9	Worker	Scenario 4	2.67E-02	6.11E-04	1.16E-03
9894	639657.4	4168449.3	Resident	Scenario 4	3.50E+00	1.48E-02	3.92E-03
9895	639682.4	4168449.8	Resident	Scenario 4	4.11E+00	1.70E-02	3.89E-03
9896	639707.4	4168450.2	Resident	Scenario 4	5.75E+00	2.34E-02	3.82E-03
9897	639719.4	4168437.2	Resident	Scenario 4	5.35E+00	2.14E-02	3.92E-03
9898	639719.8	4168412.2	Resident	Scenario 4	5.03E+00	1.99E-02	4.11E-03
9899	639720.3	4168387.2	Resident	Scenario 4	4.85E+00	1.89E-02	4.20E-03
9900	639720.7	4168362.2	Resident	Scenario 4	5.12E+00	1.98E-02	4.19E-03
9901	639721.2	4168337.2	Resident	Scenario 4	4.85E+00	1.94E-02	4.07E-03
9902	639721.6	4168312.2	Resident	Scenario 4	3.84E+00	1.54E-02	3.85E-03
9903	639722.1	4168287.2	Resident	Scenario 4	2.88E+00	1.14E-02	3.81E-03
9904	639722.5	4168262.2	Resident	Scenario 4	2.28E+00	9.01E-03	4.06E-03
9905	641271.3	4168602.3	Resident	Scenario 4	5.82E+00	1.55E-02	8.68E-03
9906	641272.0	4168577.4	Resident	Scenario 4	5.82E+00	1.55E-02	8.92E-03
9907	641272.7	4168552.4	Resident	Scenario 4	5.86E+00	1.56E-02	9.16E-03
9908	641273.4	4168527.4	Resident	Scenario 4	5.92E+00	1.57E-02	9.39E-03
9909	641274.1	4168502.4	Resident	Scenario 4	6.00E+00	1.60E-02	9.63E-03
9910	641288.1	4168491.5	Resident	Scenario 4	6.41E+00	1.70E-02	9.88E-03
9911	641313.1	4168492.2	Resident	Scenario 4	7.55E+00	2.02E-02	9.46E-03
9912	641329.9	4168500.8	Resident	Scenario 4	9.15E+00	2.54E-02	9.62E-03
9913	641329.4	4168525.7	Resident	Scenario 4	9.07E+00	2.51E-02	9.39E-03
9914	641328.8	4168550.7	Resident	Scenario 4	8.91E+00	2.47E-02	9.17E-03
9915	641328.3	4168575.7	Resident	Scenario 4	8.70E+00	2.44E-02	8.94E-03
9916	641327.8	4168600.7	Resident	Scenario 4	8.45E+00	2.40E-02	8.73E-03
9917	641327.3	4168625.7	Resident	Scenario 4	8.18E+00	2.37E-02	8.52E-03

Table G-1. Health Risk Assessment Results by Receptors by Scenario
Pacific Gateway
San Joaquin Valley, California

Receptor ID	UTM X	UTM Y	Receptor Type	Scenario	Cancer Risk (in a million)	Chronic Hazard Index	Acute Hazard Index
					Receptor Risk	Receptor Risk	Receptor Risk
9918	644628.2	4167344.9	Resident	Scenario 4	1.66E+00	3.34E-03	2.29E-03
9919	644603.2	4167344.6	Resident	Scenario 4	1.70E+00	3.45E-03	2.32E-03
9920	644595.5	4167361.9	Resident	Scenario 4	1.69E+00	3.39E-03	2.30E-03
9921	644608.1	4167373.7	Resident	Scenario 4	1.66E+00	3.29E-03	2.26E-03
9922	644633.0	4167372.9	Resident	Scenario 4	1.63E+00	3.21E-03	2.23E-03
9923	644644.0	4167386.8	Resident	Scenario 4	1.60E+00	3.13E-03	2.18E-03
9924	644641.0	4167411.5	Resident	Scenario 4	1.59E+00	3.07E-03	2.10E-03
9925	644572.2	4167547.1	Resident	Scenario 4	1.60E+00	2.98E-03	2.32E-03
9926	644564.9	4167529.8	Resident	Scenario 4	1.62E+00	3.03E-03	2.24E-03
9927	644585.7	4167544.7	Resident	Scenario 4	1.59E+00	2.95E-03	2.29E-03
9928	644607.0	4167541.3	Resident	Scenario 4	1.56E+00	2.90E-03	2.24E-03
9929	644631.9	4167541.8	Resident	Scenario 4	1.53E+00	2.85E-03	2.21E-03
9930	644656.9	4167542.4	Resident	Scenario 4	1.50E+00	2.80E-03	2.18E-03
9931	644681.9	4167543.0	Resident	Scenario 4	1.48E+00	2.74E-03	2.15E-03
9932	643875.3	4167591.4	Resident	Scenario 4	2.97E+00	5.10E-03	3.40E-03
9933	643900.3	4167591.5	Resident	Scenario 4	2.88E+00	4.98E-03	3.36E-03
9934	643925.3	4167591.5	Resident	Scenario 4	2.80E+00	4.86E-03	3.31E-03
9935	640593.1	4166856.1	Resident	Scenario 4	5.20E-01	1.67E-03	1.49E-02
9936	640618.1	4166856.5	Resident	Scenario 4	5.34E-01	1.71E-03	1.66E-02
9937	640643.1	4166856.9	Resident	Scenario 4	5.49E-01	1.76E-03	1.78E-02
9938	640668.1	4166857.3	Resident	Scenario 4	5.67E-01	1.81E-03	1.84E-02
9939	640693.1	4166857.7	Resident	Scenario 4	5.82E-01	1.86E-03	1.90E-02
9940	640718.1	4166858.1	Resident	Scenario 4	6.01E-01	1.91E-03	1.92E-02
9941	640743.1	4166858.4	Resident	Scenario 4	6.14E-01	1.96E-03	1.93E-02
9942	640768.1	4166858.8	Resident	Scenario 4	6.24E-01	1.99E-03	1.97E-02
9943	640793.1	4166859.2	Resident	Scenario 4	6.37E-01	2.04E-03	1.90E-02
9944	640818.1	4166859.6	Resident	Scenario 4	6.54E-01	2.09E-03	1.74E-02
9945	640843.1	4166860.0	Resident	Scenario 4	6.71E-01	2.15E-03	1.69E-02
9946	640868.1	4166860.3	Resident	Scenario 4	6.91E-01	2.21E-03	1.98E-02
9947	640893.1	4166860.7	Resident	Scenario 4	7.09E-01	2.27E-03	2.32E-02
9948	640918.1	4166861.1	Resident	Scenario 4	7.31E-01	2.35E-03	2.53E-02
9949	640943.1	4166861.5	Resident	Scenario 4	7.51E-01	2.42E-03	2.59E-02
9950	640968.0	4166861.4	Resident	Scenario 4	7.75E-01	2.50E-03	2.41E-02
9951	640992.8	4166858.1	Resident	Scenario 4	7.94E-01	2.56E-03	2.12E-02
9952	641015.9	4166849.2	Resident	Scenario 4	8.10E-01	2.62E-03	2.46E-02
9953	641038.0	4166837.5	Resident	Scenario 4	8.20E-01	2.67E-03	2.58E-02
9954	641058.4	4166823.1	Resident	Scenario 4	8.27E-01	2.70E-03	2.61E-02
9955	641078.8	4166808.7	Resident	Scenario 4	8.35E-01	2.74E-03	2.95E-02
9956	641099.0	4166793.9	Resident	Scenario 4	8.41E-01	2.77E-03	3.13E-02
9957	641117.9	4166777.7	Resident	Scenario 4	8.47E-01	2.80E-03	3.24E-02
9958	641136.9	4166761.4	Resident	Scenario 4	8.51E-01	2.83E-03	3.17E-02
9959	641155.9	4166745.1	Resident	Scenario 4	8.54E-01	2.85E-03	3.59E-02
9960	641174.9	4166728.9	Resident	Scenario 4	8.59E-01	2.88E-03	3.14E-02
9961	641193.9	4166712.6	Resident	Scenario 4	8.64E-01	2.92E-03	3.04E-02
9962	641210.2	4166693.8	Resident	Scenario 4	8.61E-01	2.92E-03	2.65E-02
9963	641225.7	4166674.2	Resident	Scenario 4	8.61E-01	2.93E-03	2.66E-02
9964	641241.2	4166654.5	Resident	Scenario 4	8.63E-01	2.95E-03	2.65E-02
9965	641256.7	4166634.9	Resident	Scenario 4	8.58E-01	2.95E-03	2.49E-02
9966	641272.2	4166615.3	Resident	Scenario 4	8.68E-01	2.99E-03	2.53E-02
9967	641287.7	4166595.7	Resident	Scenario 4	8.68E-01	3.00E-03	2.69E-02
9968	641302.9	4166575.9	Resident	Scenario 4	8.64E-01	3.00E-03	2.64E-02
9969	641317.9	4166555.9	Resident	Scenario 4	8.51E-01	2.97E-03	2.35E-02
9970	641330.9	4166534.8	Resident	Scenario 4	8.19E-01	2.85E-03	2.46E-02
9971	641338.1	4166510.9	Resident	Scenario 4	7.58E-01	2.61E-03	2.43E-02

Note:

[1] The blue highlighted receptors represent significant residential receptor locations considered for the application of a potential high efficiency particulate air (HEPA) filter mitigation. The risk in this table represents the calculated risk pre-mitigation, the MEIR risk following the application of the HEPA filter mitigation is shown in Table 5-5.

Abbreviations:
HEPA - high efficiency particulate air
MEIR - maximum exposed individual resident
UTM - Universal Transverse Mercator