

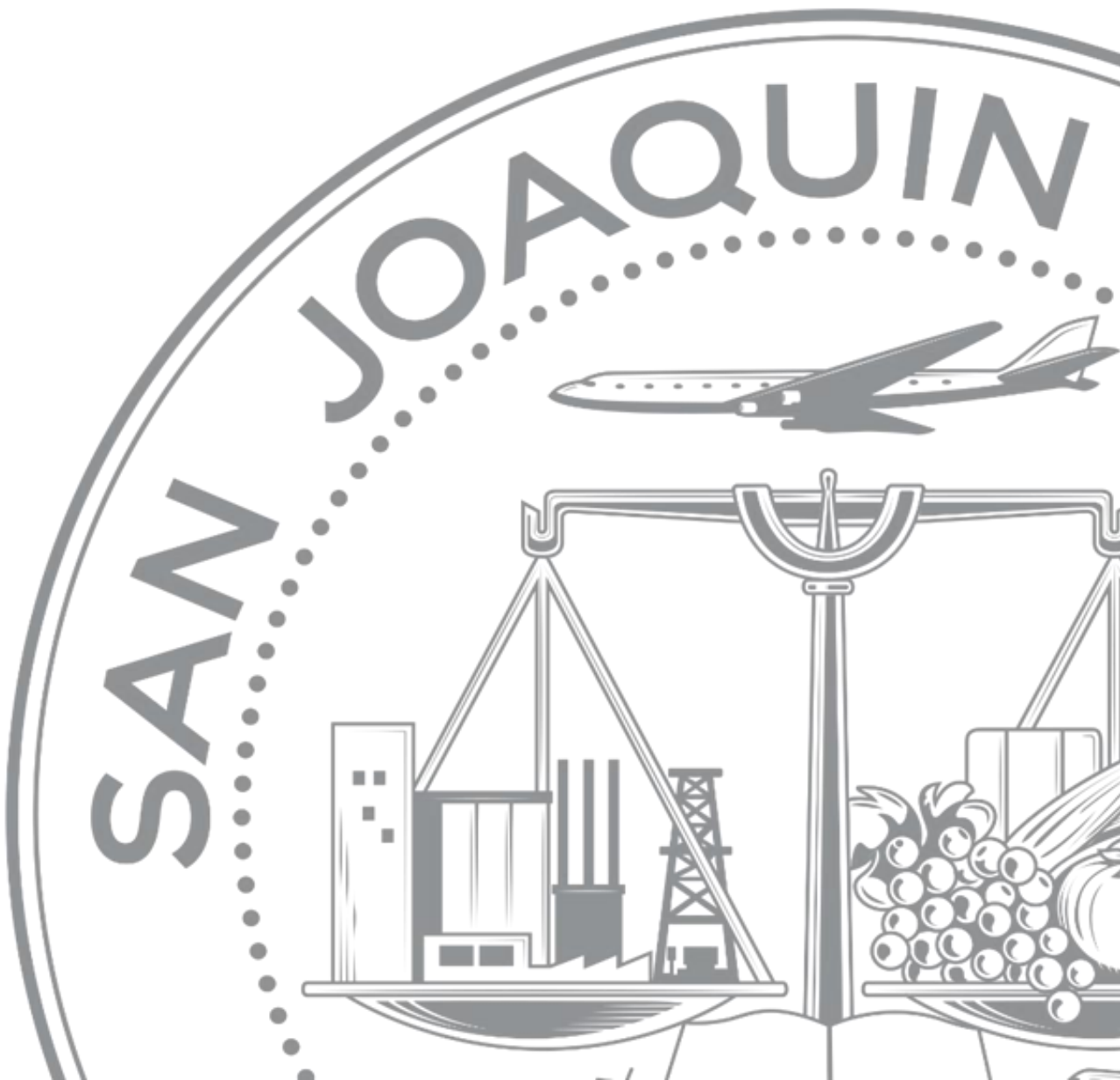
SAN JOAQUIN

— COUNTY —

Greatness grows here.

ESF-12 Utilities Annex

July 22, 2020



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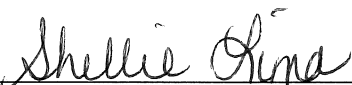
Letter of Promulgation

This ESF Annex to the County of San Joaquin Emergency Operations Plan describes how San Joaquin County will manage emergency incident or disaster mitigation, preparedness, response, and restoration related to this ESF. All Primary and Support agencies identified as having assigned responsibilities in this ESF shall perform the emergency tasks as described to include preparing and maintaining Standard Operating Guidelines and Procedures, and by carrying out the training, exercises and plan maintenance needed to support the plan.

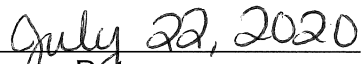
This ESF plan was developed using the Comprehensive Planning Guide 101 version 2 from the Federal Emergency Management Agency and California's emergency planning guidance documents. Adoption will occur following the established maintenance schedule; however, the plan may be modified in the interim without prior approval and formal adoption under the direction of the Director of Emergency Operations. The modified plan will be relayed digitally to all Primary and Support agencies identified as having assigned responsibilities in this ESF. In addition, the plan will be available on the San Joaquin County Office of Emergency Services webpage and within the Advanced File Library of WebEOC. The Primary assigned agency will coordinate the review and update of the plan with the Support agencies as needed at least every two years. This ESF plan supersedes any previous versions.

This ESF Annex applies to Primary and Support agencies within San Joaquin County who are assigned responsibilities in *Section 4.3.1 Responsibilities by Emergency Support Function* of the All-Hazard EOP and/or identified within the ESF Annex.

This plan replaces previous annexes of the same title.




Shellie Lima, Director Emergency Operations

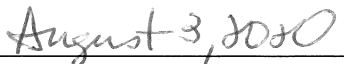


Date

This plan/annex will be formally promulgated by the chairperson of the Disaster Council of San Joaquin County at the next regularly scheduled meeting. The Disaster Council is empowered by County Ordinance to review and approve emergency and mutual aid plans.



Marcia Cunningham
Chair, San Joaquin County Disaster Council
Director of Emergency Services



Date

Plan Administration

San Joaquin County Office of Emergency Services Director of Emergency Operations will coordinate review, revise, and re-promulgate this annex at least once every two years or when key changes occur, such as lessons learned from exercises or real events. Changes may be made by the San Joaquin County Director of Emergency Operations without formal Disaster Council’s approval. This document supersedes all previous ESF 12 - Utilities appendices and annexes for the Operational Area.

Record of Changes

All updates and revisions to this annex will be tracked and recorded in the following table. This process will ensure that the most recent version of the plan is disseminated and implemented by emergency response personnel.

Date	Change No.	Change made by (name/title)	Summary of Changes
2/25/2020	1	Heyer/Emergency Planner	Updated- Dates, formatting, and changed Emergency Services Council to Disaster Council per County Ordinance

Plan Distribution

San Joaquin County Office of Emergency Services maintains the San Joaquin County Emergency Operations Plan in the San Joaquin County Emergency Operations Center Library. This document upon signature will become an annex to the EOP. The primary method of EOP distribution is electronic, with a copy available in the Advanced File Library of the SJC Web based information sharing database WebEOC and on the SJC Web page.

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Primary Agency: San Joaquin County Public Works
Supporting Agencies: San Joaquin County Office of Emergency Services
San Joaquin County Environmental Health Department
Pacific Gas and Electric
Lodi Electric Utility
Lathrop Irrigation District

1 EXECUTIVE SUMMARY

Emergency Support Function (ESF-12) Utilities guides' coordination with local utilities in order to restore and/or repair infrastructure and accompanying utility systems. ESF-12 gives guidance for all utility disruptions for persons and critical structures in the Operational Area (OA).

2 INTRODUCTION

ESF-12 describes how San Joaquin County agencies and stakeholders will direct and control its personnel and resources in support of County and local governments for preparedness, prevention, mitigation, response, and recovery of major utility incidents. ESF-12 outlines processes for collecting, analyzing, processing, and disseminating information about a potential or actual incident and conducting planning activities to facilitate the overall activities in assisting the whole community.

2.1 PURPOSE

The purpose of ESF-12 is to define the scope of emergency management activities of the stakeholders. San Joaquin County ESF-12 represents an alliance of discipline-specific stakeholders that possess common interests and share a level of responsibility to provide emergency management services to coordinate resources and support of private and government agencies to restore gas, electric, water, wastewater and telecommunications.

2.2 SCOPE

This Function applies to the process of addressing significant disruptions in energy supplies as well as disruptions in public water systems and wastewater programs in order to protect life, public health, safety and welfare to the community. ESF-12 is designed to be scalable to the size and scope of any emergency event. This function should augment the San Joaquin Emergency Operation Plan while ensuring compliance and practices described in the National Response Framework and California's Emergency Plan.

3 GUIDELINES

ESF-12 supports the San Joaquin Emergency Operations Plan and is supported by the San Joaquin Electrical System De-energization Response Plan. This Annex's guidelines and best practices will not supersede existing standard operating procedures for emergency actions plans (EAP) for utility providers.

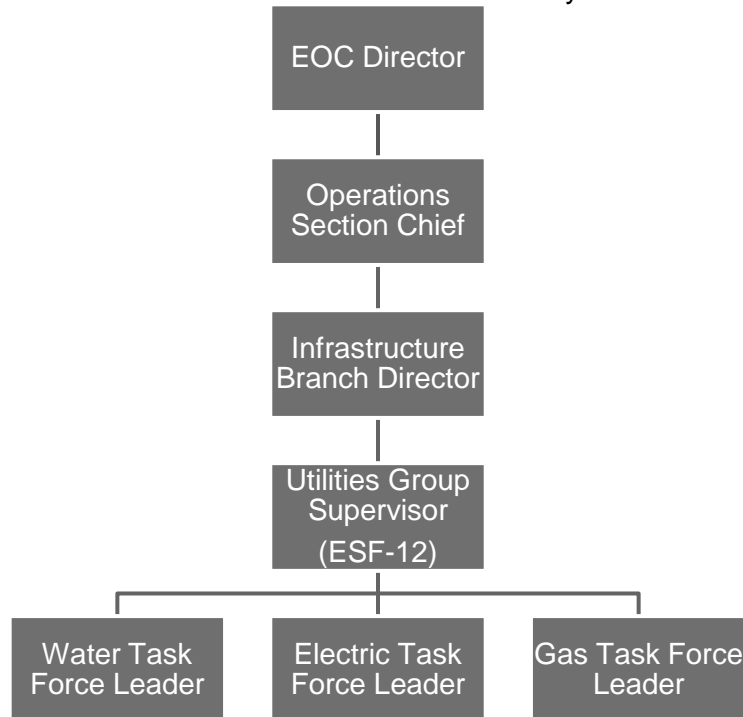
4 PLANNING ASSUMPTIONS

The following planning assumptions have been used to develop this ESF. If these assumptions are not valid for a specific event or circumstance, it will be necessary to modify the operational concepts and assigned responsibilities defined herein:

- Any disruption to an energy system can create a cascading effect.
- The magnitude of the incident can increase with little or no notification.
- A public safety power shutoff (PSPS) event can last several days.
- Any damaged infrastructure must be inspected and cleared by multiple agencies.

5 CONCEPT OF OPERATIONS

The EOC will be activated at the appropriate level to assess and respond to an incident. The EOC will serve as the single point of coordination between local jurisdictions, Incident Command, region and state representatives. The Utilities Group Supervisor reports to the Infrastructure Branch Director and the Operations Section Chief. ESF-12 may create a Water Task Force, Electric Task Force or Gas Task Force if necessary.



6 ROLES AND RESPONSIBILITIES (ORGANIZATIONAL RESPONSIBILITIES)

The Hazard Annex Electrical System De-Energization Plan describes roles and responsibilities of County and public organizations during public safety power shut off events and other planned electrical power outages. In addition to the responsibilities described in the Hazard Annex Electrical System De-Energization Plan, the roles and responsibilities for ESF-12 are as follows:

6.1 PRIMARY AGENCY

6.1.1 Public Works

- Coordinate with local utilities to restore and repair damaged infrastructure and accompanying systems
- Coordinate temporary emergency power generation capabilities to support critical facilities until permanent restoration is accomplished
- Coordinate with city Public Works departments if necessary for small water systems and wastewater treatment plants
- Support traffic management
- Implement refueling plan for critical facilities on generator power in accordance with ESF-03

6.2 SUPPORTING AGENCIES

6.2.1 Office of Emergency Services

- Maintain the Hazard Annex Electrical System De-Energization Plan
- Provide a centralized location for Utility providers to engage County agencies
- Coordinate with local utilities to identify any forecastable incidents
- Participate in coordinating and/or developing accurate messaging to the public
- Identify alternate EOC locations
- Conduct public alert and warning per Alert and Warning Support Plan
- Distribute situation updates and conduct OA conference calls with stakeholders
- Maintain PG & E portal in accordance with ESF-05
- Contact potential impacted jurisdictions
- Support shelter activations
- Support and monitor the movement of vulnerable medically fragile residents to shelters
- Support logistics and mutual aid resource coordination in accordance with ESF-07 – Resources.

6.2.2 Environmental Health Department

- Inspect public utilities such as but not limited to public water systems, wasteful treatment plants
- Identify the need and support hazardous materials incident support
- Monitor the safety of drinking water
- Monitor potential exposure to hazardous materials/waste from any utility incident
- Inspect well water systems and septic wastewater systems

6.2.3 Pacific Gas and Electric

- Provide a liaison to County OES during activation
- Notify County OES and potentially impacted jurisdictions upon consideration of any disruption which affects a large number of people or critical facilities

- Coordinate public information within OA
- Participate in conference calls
- Notify customers

6.2.4 Lodi Electric Utility

- Participate in OA conference calls
- Coordinate public information and or participate in JIC

6.2.5 Lathrop Irrigation District

- Participate in OA conference calls
- Coordinate public information and or participate in JIC

7 COMMUNICATION

Communications will be maintained by County OES, all supporting County agencies and public utilities. County OES will maintain a contact list for all agencies and verify phone numbers, email addresses, and contact names on a regular basis. A contact list will be maintained on WebEOC. Cell phones and hard line phones will be the primary mode of communication however, if cell phones or hard line phones become unavailable the following modes of communication can be used:

7.1 WEBEOC

WebEOC should be utilized for vertical and horizontal information and situation updates. Requests for resources should be made through WebEOC Resource Request and Deployment Module (RRDM). Those without WebEOC access will utilize the ICS 213 and 213RR forms for communications and resource ordering. The message and resource ordering/tracking system provides an audit trail for pertinent information necessary to record the actions taken by EOC staff. Additional information on resource requesting procedures are included in ESF-07.

7.2 OA EOC COMMUNICATION SYSTEMS

The OA EOC is equipped with redundant communication modalities, allowing the sharing of situational awareness, resource tracking and status, and raw intelligence data. The communication capabilities will be routinely reviewed, inspected and updated as necessary. Current Communication resources in the OA EOC include but are not limited to:

- Land-line telephones
 - Analog and VIOP
- Cell phones
- Satellite phones
- Fax Machines
- Internet-enabled computers
- Social Media
- Operational Area Satellite Information Systems (OASIS)
- Emergency Alert System (EAS)
- Radio systems
 - ARES/RACES
 - Public Safety frequencies
 - Government frequencies
 - Business and Commercial Frequencies
 - Low Band Radios

7.3 PG & E, LATHROP IRRIGATION DISTRICT, OTHER VENDORS

- PG & E is the largest provider of natural gas and electricity in the County.
- A liaison from PG & E will work with the San Joaquin County Office of Emergency Services in providing the most current and available information about possible disruptions.
- Contact lists will be reviewed and updated at least on a regular basis.
- SJC OES will maintain a vendor list of any private and government agency who maintains, transports, stores, supplies or operates a utility in San Joaquin County.

8 INFORMATION COLLECTION, ANALYSIS, AND DISSEMINATION

Information is to be shared by all agencies involved in the incident to establish a common operating picture throughout the OA. Establishing a common operating picture and maintaining situational awareness is essential to effective incident management.

Information can be shared via the designated WebEOC Incident Activity Log, and/or Emergency Action Plans, so that all incident personnel maintain situational awareness. Information is to be used by intended recipients to take appropriate response actions.

8.1 RESOURCE REQUESTS

Resource requests are submitted through the appropriate channels according to SEMS and the ICS structure established through the EOC. Resource requests will be addressed locally, regionally, then statewide, if necessary. Requests for all supplies, equipment, personnel, etc. should be routed through ESF-07, Logistics, utilizing the WebEOC Resource Request and Deployment Module (RRDM) as appropriate.

9 ADMINISTRATION, FINANCE, LOGISTICS

Local jurisdictions within the OA assume responsibility of all local incidents. ICS forms will be used in accordance with SEMS and NIMS prior, during and after an incident to document events. All resources must track hours, mileage, and provide associated documentation to the Finance and Administration Section prior to demobilization.

An After Action Review (AAR) will be completed after every incident at every jurisdiction. All county agencies will participate in an AAR to develop best practices and lessons learned.

10 PLAN DEVELOPMENT AND MAINTENANCE

The development and maintenance of this ESF plan will be consistent with the guidelines established in the EOP.

11 AUTHORITIES AND REFERENCES

The authorities and references documented in the basic plan of the San Joaquin County EOP are considered applicable to this ESF.