

Enhanced Powerline Safety Settings (EPSS)- Electric Operations Restoration Dispatch Requirements

SUMMARY

This utility procedure describes the necessary actions that electric operations (EO) restoration dispatch personnel take when responding to outages that meet ignition criteria.

Level of Use: Informational Use

TARGET AUDIENCE

All restoration dispatch personnel who participate in or respond to electric outage emergency requests during ignition risk periods.

SAFETY

This procedure supports PG&E's commitment to public safety by ensuring a timely response to potentially hazardous situations in compliance with [California Public Utilities Commission \(CPUC\) General Order \(GO\) 166, "Standards for Operation, Reliability, and Safety During Emergencies and Disasters."](#)

See the [PG&E General Order 166 Handbook](#) for further information.

BEFORE YOU START

READ AND UNDERSTAND [Utility Standard TD-1464S, "Preventing and Mitigating Fires While Performing PG&E Work."](#)

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PROCEDURE STEPS

1 EO Restoration Dispatch Supervisor Procedures

- 1.1 MONITOR the Outage Information System/Outage Management Tool (OIS/OMT) to ensure all enhanced powerline safety settings (EPSS) are dispatched and acted upon.
- 1.2 SUPPORT dispatchers in identifying alternative resources to respond to EPSS outages in a timely manner.



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- 1.3 IF an EPSS outage is not responded to within 60 minutes or less,

THEN EMAIL the dispatch director OR appointed delegate AND PROVIDE the information shown in [Figure 1](#) below.

EPSS 60 Minute Response Miss Template		Notes
OIS Number:		
FNL:		
T-Man/SIPT/FM/Gas on-shift (Yes/No)?		
Time ARCOS was started T-Men		
Time SIPT On-Duty Office was called (1-800-239-5170)		
Time ARCOS was started FM		
Time On-call Supervisor was engaged (if applicable)		
Response Time:		
Drivers of Miss:		
Best Practice		
Opportunities:		

Figure 1. EPSS Details

2 EO Restoration Dispatcher Procedures

- 2.1 MONITOR outages that appear in OIS/OMT that have a “Y” value in the EPSS column.

NOTE

EPSS outage/hazard types include the following:

- Line recloser
- Circuit breaker
- Switch
- Substation

- 2.2 IDENTIFY if the outage is planned.

1. IF the outage is planned,

THEN CHECK the Integrated Logging Information System (ILIS) log to verify if the outage is planned.

- CHECK the type of outage: planned or unplanned AND the cause on the log.
- IF the ILIS log has the type of outage as planned AND the cause of the outage as company initiated AND/OR planned,

THEN there is no need to send a troubleman.



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- 2.3 IDENTIFY an available resource that can respond to any outages that meet the ignition risk criteria.
1. IF the available resource has an estimated time of arrival (ETA) within 60 minutes,
THEN DISPATCH the resource to the outage within 5 minutes.
 - a. IF unable to dispatch a resource to the outage within 5 minutes,
THEN DOCUMENT the reason the resource could not be dispatched in the Outage Dispatch Tool (ODT) Remarks section OR in the DSP Remarks section of the dispatch application.
 2. IF the outage is within normal business hours (Monday – Friday, 0600 to 1800),
THEN PERFORM the steps in [Section 3, “Normal Business Hours Dispatch Procedures.”](#) on Page 4.
 3. IF the outage is outside normal business hours (1801 to 0559),
THEN PERFORM the steps in [Section 4, “Outside Business Hours Dispatch Procedures.”](#) on Page 5.

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3 Normal Business Hours Dispatch Procedures

- 3.1 PERFORM the following steps using the information from [Table 1](#) below to dispatch a resource during normal business hours (M-F 0600-1800) to respond to an outage that meets the ignition risk criteria.

Table 1. Dispatching During Normal Business Hours

Normal Business Hours (M-F 0600-1800)	
Resource Availability Order	Instructions
Yard troubleman	USE the Field Automated System (FAS) map to locate the closest resource.
Safety and Infrastructure Protection Team (SIPT) crews	USE the FAS map to locate the closest resource. Dispatch concurrently with T-Man/Men. Hours of operation: 0700-1530.
Out of yard/division troubleman who can respond within 60 minutes	USE the FAS map to locate the closest resource.
Field metering	USE the FAS map to locate the closest resource; then CONTACT field metering dispatch personnel to notify them of the resource allocation.
Distribution line technician (DLT)	USE the FAS map to locate the closest resource.
Restoration supervisor	CONTACT the local restoration supervisor.
Maintenance and construction (M&C) supervisor	CONTACT the local field operations M&C supervisor.
Compliance inspectors	CONTACT the local compliance supervisor.
Transmission troubleman	CONTACT the grid control center (GCC).
Hydro	IF within a hydro area, THEN CONTACT the hydro control center.
Locate and mark (serves both gas and electric commodities)	USE the FAS map to locate the closest gas compliance representative (GCR).
Gas service representative (GSR)	USE the FAS map to locate the closest resource; then CONTACT gas dispatch personnel to dispatch the resource.

1. LOCATE the resource type from the first row under the Resource Availability Order column in [Table 1](#) above.
2. FOLLOW the directions from the Instructions column in [Table 1](#).
3. REVIEW FAS or the Daily Work Plan (DWP) to determine if there is an available resource closest to the emergency or outage order location that can respond within 60 minutes.
 - a. IF a resource type is available,

THEN DISPATCH the resource to ensure an estimated time of arrival (ETA) within 60 minutes.

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3.1 (continued)

- b. IF a resource type is **not** available,

THEN LOCATE the next resource type listed in the subsequent row of [Table 1](#) on Page 4.

4. REPEAT [Steps 1 through 3](#) above until an available resource is identified.

4 Outside Business Hours Dispatch Procedures

- 4.1 PERFORM the following steps using [Table 2](#) below to dispatch a resource outside normal business hours (1801 to 0559) to respond to an outage that meets the ignition risk criteria.

Table 2. Dispatching Outside of Business Hours (1801-0559)

After Hours (1801 – 0559)	
Resource Availability Order	Instructions
Yard troubleman	USE the FAS map to locate the closest resource.
SIPT crews	USE the FAS map to locate the closest resource. Dispatch concurrently with T-Man/Men. Hours of operation: 0700-1530. IF there are no SIPT crews logged into FAS, THEN CONTINUE to the next step.
Out of yard/division troubleman who can respond within 60 minutes	USE the FAS map to locate the closest resource.
Call-out order for ARCOS: MMP, MST, FMP, AMST	START the ARCOS callout.
On-call field ops supervisor	CONTACT the on-call field ops supervisor.
Compliance inspectors	CONTACT the local compliance supervisor AND START ARCOS callout.
Distribution line technician (DLT)	USE the FAS map to locate the closest resource.
Transmission troubleman	CONTACT the grid control center (GCC) at 707-449-6700 or 707-449-6779.
Hydro	IF within a hydro area, THEN CONTACT the hydro control center.
Locate and mark (serves both gas and electric commodities)	CONTACT the Gas Dispatch Supervisor Line at [REDACTED] for available resources or to request that gas dispatch personnel run ARCOS.
Gas service representative (GSR)	CONTACT the Gas Dispatch Supervisor Line at [REDACTED] for available resources or to request that gas dispatch personnel run ARCOS.



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4.1 (continued)

1. LOCATE the resource type from the first row under the Resource Availability Order column in [Table 2](#) on Page 5.
2. FOLLOW the directions from the Instructions column in [Table 2](#).
3. REVIEW FAS OR the DWP to determine if there is an available resource closest to the emergency or outage order location who can respond within 60 minutes.
 - a. IF there is an available resource type,

THEN DISPATCH the resource to ensure an estimated time of arrival (ETA) within 60 minutes.
 - b. IF the resource type is **not** available,

THEN LOCATE the next resource type listed in the subsequent row of [Table 2](#).
4. IF a non-qualified electric worker (QEW) is responding,

THEN DISPATCH the non-QEW to the hazard location.
 - a. IF a hazard is not reported,

THEN DISPATCH the non-QEW to the address indicated beneath the first call section in ODT.
 - (1) IF an address is not listed,

THEN CLICK in the trouble reports to send the non-QEW to an address with a trouble report.
 - b. IF a call comes in from the non-QEW reporting signs of ignition,

THEN CONTACT a dispatch supervisor.
5. REPEAT [Steps 1 through 3](#) above until an available resource is identified.

END of Instructions

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DEFINITIONS

Daily Work Plan (DWP): A daily summary organized by yard that identifies the shifts and geographic locations of field technicians used to assign work in Field Automated System (FAS).

Enhanced powerline safety settings (EPSS): The process for implementing enhanced powerline safety settings on devices protecting zones that intersect high fire risk areas.

Outage: An interruption of electric service at the customer level and above.

Outage Dispatch Tool (ODT): A web-based response application for emergency (unplanned) outages residing on the Outage Information System (OIS) platform. It is designed for efficient retrieval and dissemination of information throughout the organization.

Outage Information System (OIS): An outage management system that allows operators to identify distribution outages and report historical information. It also helps the utility inform the customer of the outage situation and restoration status. OIS works in conjunction with a call handling system referred to as an interactive voice response (IVR) system.

Qualified electrical worker (QEW): A qualified person who meets the following specifications:

- 2 years training and experience with high-voltage circuits and equipment.
- Demonstrated (by performance) familiarity with the work to be performed and hazards involved.

IMPLEMENTATION RESPONSIBILITIES

The director responsible for restoration must review and authorize this procedure.

The dispatch supervisor must ensure that personnel who perform EPSS response activities are trained and knowledgeable on the instructions in this procedure.

Restoration dispatch and scheduling personnel must comply with the instructions in this procedure.

Personnel must perform only those tasks for which they are qualified or trained, as outlined in their job description.

GOVERNING DOCUMENT

[Utility Standard TD-2202S, "Electric Operations Restoration Dispatch and Scheduling Operating Practices"](#)



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COMPLIANCE REQUIREMENT / REGULATORY COMMITMENT

[CPUC GO 166, "Standards for Operation, Reliability, and Safety During Emergencies and Disasters"](#)

Records and Information Management:

Information or records generated by this procedure must be managed in accordance with the Enterprise Records and Information (ERIM) program, policy, standards, and Enterprise Records Retention Schedule (ERRS). Refer to [GOV-7101S, "Enterprise Records and Information Management Standard,"](#) and related standards. Management of records includes, but is not limited to:

- Integrity
- Storage
- Retention and Disposition
- Classification and Protection

REFERENCE DOCUMENTS

Developmental References:

[PG&E General Order 166 Handbook](#)

[Utility Standard TD-1464S, "Preventing and Mitigating Fires While Performing PG&E Work"](#)

Supplemental References:

NA

APPENDICES

NA

ATTACHMENTS

NA

DOCUMENT REVISION

NA

DOCUMENT APPROVER

██████████ Director, Electric Operations Dispatch and Scheduling (EO D&S)



Enhanced Powerline Safety Settings (EPSS)- Electric Operations Restoration Dispatch Requirements

DOCUMENT OWNER

██████████ Director, EO D&S

DOCUMENT CONTACT

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REVISION NOTES

Where?	What Changed?
NA	This is a new utility procedure.