

Southern California Edison
2025-WMPs – 2025-WMPs

DATA REQUEST SET CalAdvocates - SCE - 2025WMP - 12

To: Cal Advocates
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Job Title: Engineering Manager
Received Date: 5/6/2024

Response Date: 5/9/2024

Question 02:

For the most recent 50 outages associated with a fast-trip enabled device, please provide:

- a) Protective device latitude;
- b) Protective device longitude;
- c) Circuit name;
- d) Date and time of operation;
- e) Current that tripped the protective device;
- f) Duration of current that tripped the protective device;
- g) Whether line or ground current tripped the protective device;
- h) Whether the affected circuit is 3-wire or 4-wire;
- i) Minimum to trip line current setting on device;
- j) Minimum to trip line current intentional time delay setting on device;
- k) Minimum to trip ground current setting on device;
- l) Minimum to trip ground current intentional time delay setting on device;
- m) Maximum line current from five year history;
- n) Maximum ground current from five year history;
- o) Whether or not SCE did a settings review after the outage; and
- p) Whether or not the fault from the outage produced an ignition.

Response to Question 02:

The responses below represent system-wide data (i.e. not limited to HFRA).

The outages provided in the excel file “CalAdvocates-SCE-2025WMP-12_Q2_Data.xlsx” reflect outages that occurred on fast curve-enabled distribution circuits when at least one protective device had fast curve settings activated. The fact that fast curve settings were activated at the same time an outage occurred does not mean that the outage was attributed to the operation of fast curve settings. SCE also notes that manual de-energizations, source loss outages, and momentary outages were excluded from the data set, as they do not pertain to fast curve operation.

SCE’s outage data does not contain protective device settings and does not have a direct tie into device settings and therefore some of the requested items cannot be provided. If an outage affected multiple circuits, there will be an additional line item with the same “Outage ID” and different circuit name for that incident.

a) Protective device latitude

Latitude has been provided as the location of the substation associated with the circuit involved in

the outage.

b) Protective device longitude

Longitude has been provided as the location of the substation associated with the circuit involved in the outage.

c) Circuit name

Circuit name is a readily available field in SCE's outage data and has been provided.

d) Date and time of operation

Date and time of outage is a readily available field in SCE's outage data and has been provided.

e) Current that tripped the protective device

This information is not readily available as it would require retrieving data from multiple sources, some of which are only accessible directly at the protective device itself, and then manually converting that data into the appropriate form and evaluating it to determine if it coincides or is otherwise related to the outage and/or fault. While this effort would be theoretically possible, SCE is uncertain it would be meaningful, as each fault event is unique and typically requires a full analysis to determine causes and outcomes.

f) Duration of current that tripped the protective device

Refer to response in part e.

g) Whether line or ground current tripped the protective device

Refer to response in part e.

h) Whether the affected circuit is 3-wire or 4-wire

This has been provided.

i) Minimum to trip line current setting on device

Refer to response in part e.

j) Minimum to trip line current intentional time delay setting on device

Refer to response in part e.

k) Minimum to trip ground current setting on device

Refer to response in part e.

l) Minimum to trip ground current intentional time delay setting on device

Refer to response in part e.

m) Maximum line current from five year history

Refer to response in part e.

n) Maximum ground current from five year history

Refer to response in part e.

o) Whether or not SCE did a settings review after the outage

SCE does not perform review of its protective device settings for every outage that occurs on the system.

p) Whether or not the fault from the outage produced an ignition

SCE does not have readily available within its outage data the ability to designate whether the outage produced the ignition. Information on the ignition is within SCE's Ignition data. The excel file "CalAdvocates-SCE-2025WMP-12_Q2_Data.xlsx" has linked whether there was a reportable ignition on the circuit on the date of the outage but does not address cause or effect.