

PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigation Plans Discovery 2023-2025
Data Response

PG&E Data Request No.:	CalAdvocates_048-Q002		
PG&E File Name:	WMP-Discovery2023-2025_DR_CalAdvocates_048-Q002		
Request Date:	May 16, 2024	Requester DR No.:	CalAdvocates-PGE-2025WMP-12
Date Sent:	May 31, 2024	Requesting Party:	Public Advocates Office
PG&E Witness:		Requester:	Tyler Holzschuh

SUBJECT: PG&E's PLANNED FAST-TRIP SETTINGS FOR THE 2024 FIRE SEASON

QUESTION 002

For PG&E's four-wire multi-grounded primary circuits at or below 35 kV please describe, with references to PG&E's procedures:

- a) PG&E's fast-trip line-current thresholds;
- b) How PG&E's fast-trip line-current thresholds are calculated from measured circuit values;
- c) The intentional delays assigned to those line-current thresholds;
- d) PG&E's fast-trip ground-current thresholds;
- e) How PG&E's fast-trip ground-current thresholds are calculated from measured circuit values;
- f) The intentional delays assigned to those ground-current thresholds; and
- g) How the current and delay thresholds differ from non fast-trip settings.

ANSWER 002

PG&E's most current EPSS protection guidelines are document in TD-1470P-01 Att. 1 "Application Guide Device Profile Settings." Please see "WMP-Discovery2023-2025_DR_CalAdvocates_048-Q002.pdf" for a copy of these guidelines. The same criteria applies as stated in Question 1 subpart a).

- a) The same criteria applies as stated in Question 1 subpart b).
- b) The same criteria applies as stated in Question 1 subpart c).
- c) The same criteria applies as stated in Question 1 subpart d) except for SGF, it is not applied in most 4-wire system configurations.
- d) PG&E's EPSS 4-wire multi-grounded primary circuit ground overcurrent trip settings are based upon short circuit analysis provided through simulation of the distribution network model. The simulations provide values to set as described in Question 1 section a). Maximum ground current data is obtained through planning forecasts as well as historical SCADA observations.

- e) The same criteria applies as stated in Question 1 subpart e) other than no SGF delay applies.
- f) The same criteria applies as state in Question 1 subpart g).