

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

PG&E Data Request No.:	CalAdvocates_043-Q009		
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Request Date:	April 12, 2024	Requester DR No.:	CalAdvocates-PGE-2025WMP-07
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PG&E Witness:		Requester:	Holly Wehrman

System hardening alternatives analysis

Table ACI-PG&E-23-05-3 on page 55 of PG&E's 2025 WMP Update lists 10 possible alternatives PG&E anticipates using in its WBCA. Questions 1 through 9 relate to this table.

QUESTION 009

The table lists the assumption, "EPSS and DCD are only active when conditions are greater than R1."

- a) State the basis for this assumption.
- b) Are weather events an applicable attribute in the outage combinations used in PG&E's mitigation effectiveness assessments?
- c) Please provide a list of all applicable attributes to be used in outage combinations.

ANSWER 009

- a) EPSS and DCD settings are not engaged in the system when the FPI rating is R1, which forms the basis for this assumption. However, the calculations behind engaging EPSS are complex and, for more information, please see our Base 2023-2025 WMP, R5 (April 2, 2024) on page numbers 570-571 and our 2022 Revised WMP (July 26, 2022) on page numbers 848-852.¹
- b) No, a specific weather attribute is not directly included in the outage combination analysis.
- c) For alternative 1-9, each considered the basic cause, supplemental cause, failed/involved equipment, and equipment condition. Additionally, Alt 9 considered the type of outage i.e., phase-to-phase, single line-to-ground, and double line-to-ground to distinguish REFCL's impact as it has a specific effectiveness for each fault type. The FPI rating was considered in the analysis to distinguish when specific setting configurations would be enabled for REFCL.

¹ The cited WMPs are available at the following link: <https://www.pge.com/en/outages-and-safety/safety/community-wildfire-safety-program.html#tabs-d12abf1841-item-caaebaf89b-tab>.