

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

PG&E Data Request No.:	CalAdvocates_043-Q002		
PG&E File Name:	WMP-Discovery2023-2025_DR_CalAdvocates_043-Q002		
Request Date:	April 12, 2024	Requester DR No.:	CalAdvocates-PGE-2025WMP-07
Date Sent:	April 17, 2024	Requesting Party:	Public Advocates Office
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 002

The blended average effectiveness for alternative 9 (REFCL with covered conductor, EPSS, and DCD) is lower than alternative 4 (covered conductor with EPSS).

- a) Why does the effectiveness for alternative 9 appear lower than alternative 4, although alternative 9 appears to include more mitigation techniques?

ANSWER 002

The reported blended average effectiveness for Alt 9 was based on a study focused on a specific subset of circuits and associated substations where REFCL could be utilized. Please see the response to Request No. 6 for details on this study.

The effectiveness of Alternative 9 is less in comparison to that of the full population in the Alternative 4 study primarily due to the following reasons:

- (1) Different study periods were used to determine the outages addressed by each alternative based on data availability (2017 – 2020 for Alt. 9 REFCL and 2015-2022 for Alt. 4), and
- (2) The Alt 9 effectiveness results were based on 133 substations vs. 435 substations (that were split into CPZ's) studied in Alt 4.

The blend of outages and mitigations assessed for each alternative resulted in different overall effectiveness values.