

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

PG&E Data Request No.:	CalAdvocates_043-Q005		
PG&E File Name:	WMP-Discovery2023-2025_DR_CalAdvocates_043-Q005		
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 005

Alternative 8 is the only alternative that appears to include PSPS.

- a) Is PSPS considered in any of the other alternatives?
- b) Why is the effectiveness for alternative 8 higher than similar alternatives that appear to include more mitigation techniques?
- c) If the answer to part (a) is no, why not?

ANSWER 005

- a) No, PSPS is not considered in any of the other alternatives.
- b) This effectiveness value was calculated in a different manner from others in the study. For alternative 8, the *observed* effectiveness of PSPS (78%) was applied to the residual risk post-alternative 7. This resulted in an effectiveness of:
 $60.4\% + 78\% \times (100\% - 60.4\%) = 91.3\%$.

With the exception of alternatives 8 & 9, each effectiveness value was calculated based on each mitigation's expected effectiveness in preventing an ignition resulting from over 2,000 unplanned failure modes (outage types) captured in PG&E's historical HFTD outage dataset between 2015 and 2022. The study for PSPS cannot be completed in this same manner because an unplanned outage cannot occur simultaneously to pro-active PSPS de-energization.