

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

PG&E Data Request No.:	MGRA_009-Q009		
PG&E File Name:	WMP-Discovery2023-2025_DR_MGRA_009-Q009		
Request Date:	April 8, 2024	Requester DR No.:	MGRA Data Request No. 2
Date Sent:	April 11, 2024	Requesting Party:	Mussey Grade Road Alliance
PG&E Witness:		Requester:	Joseph Mitchell

Table ACI-PG&E-23-05-3: Ignition mitigation effectiveness

QUESTION 009

For Alt 4 – Covered conductor + EPSS, effectiveness is rated at 78.2%. Alt 9 includes CC + EPSS, but also REFCL and DCD and shows an effectiveness of 65%. How is it possible that adding additional mitigations reduces the effectiveness? If this calculation is in error please provide a corrected value. Perform this as a circuit analysis, not a substation analysis, assuming all circuits are REFCL enabled.

ANSWER 009

The reported blended average effectiveness for Alt 9 was based on a study focused on a specific subset of circuits where REFCL could be utilized. This same Alt 9 analysis cannot be performed assuming all circuits are REFCL enabled. The REFCL analysis was applied to substations that met the following requirements:

- Single voltage 3 wire 12 kV substation;
- Minimum of 20 OH miles in HFTD;
- Less than 50% of circuit UG; and
- Less than 20% of circuit past autobanks.

The effectiveness of the other mitigation types (CC Overhead, EPSS, DCD) on the Alt 9 population is less in comparison to that of the full population in the Alt 4 study. Therefore, the overall blended average effectiveness of Alt 9 is lower than Alt 4.