

**PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigations Plans Discovery 2026-2028
Data Response**

PG&E Data Request No.:	TURN_002-Q005
PG&E File Name:	WMP-Discovery2026-2028_DR_TURN_002-Q005
Request Date:	April 7, 2025
Requester DR No.:	TURN-PG&E-2
Requesting Party:	The Utility Reform Network
Requester:	Reina L. Yanagiba; A. Mireille Fall-Fry
Date Sent:	April 10, 2025

SUBJECT: 2026-2028 BASE WMP

QUESTION 005

Regarding Table PG&E-6.1.3-1 on page 128, please provide the supporting data on which the “Blended Average Effectiveness” values for Rows 4, 5, and 6 are based.

Answer 005

Please refer to “*WMP-Discovery2026-2028_DR_TURN_002-Q005Atch01.xlsx*”

The table below is a summary of references for the supporting data for each of the Blended Average Effectiveness values from Table PG&E-6.1.3-1 in the attached Excel sheet.

Line No.	System Hardening Mitigations	Blended Average Effectiveness (a)	Notes
		2015-2024	
1	Undergrounding All ^(b)	99%	See "Effectiveness Analysis" tab for supporting data
2	Undergrounding Primary Distribution Lines ^(c)	98%	See "Effectiveness Analysis" tab for supporting data
3	Line Removal with Remote Grid	98%	See "Effectiveness Analysis" tab for supporting data
4	Covered Conductor + EPSS + PSPS ^(d)	97%	Calculated value using formula outlined in footnote (d). See 4a. And 4b. for input data for the calculation and the associated data sources
4a.	<i>Covered Conductor + EPSS + DCD</i>	79%	See "Effectiveness Analysis" tab for supporting data

Line No.	System Hardening Mitigations	Blended Average Effectiveness (a)	Notes
4b.	<i>PSPS Effectiveness</i>	84%	See "PSPS_effectiveness_calculation" tab for supporting data
5	Covered Conductor + EPSS + DCD	79%	See "Effectiveness Analysis" tab for supporting data
6	Covered Conductor	67%	See "Effectiveness Analysis" tab for supporting data

(a) This effectiveness evaluation is based on an assessment of each mitigation's prevention of an ignition from active faults of known cause on overhead assets. Company-initiated outages, including PSPS outages, outages of unknown cause, as well as outages on existing underground assets are not applicable to this study and are excluded from calculation results as "N/A."

(b) Includes distribution primary, secondary, and services line(s).

(c) Includes distribution secondary and services parallel to targeted primary line(s).

(d) The combined "Overhead with EPSS and PSPS" effectiveness differs from others in the table as it is the result of two independent studies. The first study yields PSPS effectiveness alone to be approximately 84% effective at mitigating wildfire risk. Subsequently, the combined effectiveness of approximately 79% for "Overhead with EPSS" is applied on top of the PSPS reduction, resulting in: Mitigation Effectiveness = 84% + (100% - 84%) * 79% = 97%

Within "WMP-Discovery2026-2028_DR_TURN_002-Q005Atch01.xlsx", the following Excel sheets are provided:

1. Effectiveness Analysis Summary: This is summary of the data and includes the formulas for how each value was derived.
2. Effectiveness Analysis Detail: Includes all supporting data for calculating Blended Average Effectiveness Values in Line No. 1, 2, 3, 4a., 5 and 6 of the table above.
3. PSPS_effectiveness_calculation: Includes the analysis to calculate the PSPS supporting data for the PSPS effectiveness values using the RiskScore_Attribute tab to support the value in Line No. 4b. of the table above.
4. RiskScore_Attribute: Includes additional supporting data and information on the Risk Score data for Baseline and Baseline_wPSPS based on WLDfR bowtie model to calculate the PSPS effectiveness value.
5. PSPS_effectiveness_validation: Includes analysis used to validate PSPS effectiveness values provided in Line 4b. of the table above.