

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

PG&E Data Request No.:	SPD_009-Q001		
PG&E File Name:	WMP-Discovery2023_DR_SPD_009-Q001		
Request Date:	June 2, 2023	Requester DR No.:	SPD_PG&E_2023_009
Date Sent:	June 7, 2023	Requesting Party:	Safety Policy Division
DRU Index #:		Requester:	Kevin Miller

**SUBJECT: UNDERGROUNDING, EMERGENCY PLANNING, AND COMMUNITY
OUTREACH/ENGAGEMENT**

QUESTION 001

On pages 346-347 of the 2023 WMP PG&E discusses its risk reduction from undergrounding work and states “this plan will allow PG&E to target risk reduction in the highest wildfire risk areas to eliminate approximately 18 percent of existing wildfire risk by the end of 2026.” Please elaborate and show how PG&E calculated 18 percent in wildfire risk reduction from undergrounding work.

- a. Which year baseline of risk did PG&E use?
- b. How much risk reduction was assumed for each year?
- c. Which version(s) of the WDRM was used?
- d. Was one version used for some years’ risk reduction and another version used for other year(s)?
- e. Was any other model used to calculate risk reduction and if so, how?

ANSWER 001

PG&E calculates the 18 percent risk reduction using the same process as outlined in Section 7.2.2 of the 2023-2025 WMP and as provided in attachment WMP-Discovery2023_DR_SPD_009-Q001Atch01.xlsx. The attachment incorporates the 2023-2026 Undergrounding Workplan (filed with the 2023-2025 WMP R1 as attachment 2023-03-27_PGE_2023_WMP_R1_Appendix D ACI PG&E-22-16_Atch01_CONF.xlsx) adjusted to the WMP targets and computes the risk reduction based on WDRM v3. This attachment augments workpaper ‘2023-03-27_PGE_2023_WMP_R2_Section 6.4.2_Atch01.xls’ (provided with PG&E’s April 26, 2023 errata submission) with the 2026 risk reduction impacts seen on Tab ‘Data_RR’ Column EV:EX and the resulting 18% can be seen on cell FD10.

Note, this data response relates specifically to wildfire risk, and not to the total overall utility risk as described in the rest of Section 7.2.2 and the 2023-2025 WMP. Also, the annual percentage risk reduction calculation for our undergrounding target (GH-05) in the 2023-2025 WMP is based on total utility risk.

- a. PG&E used the baseline year of 2023 based on the starting risk scores from the WDRM v3 risk model. Note, WDRM v3 is based on circuit segment geometries of as January 2022. To arrive at the 2023 baseline, PG&E incorporated the known 2022 underground and overhead hardening work in order to calculate the 18 percent wildfire risk reduction.
- b. Risk reduction was calculated, not assumed, as described in the preface of the response to this question (above). See the following table for the results of the calculations for each year.

Year	Risk Reduction
2022	0.38%
2023	1.72%
2024	3.38%
2025	4.96%
2026	7.99%
Total:	18.42%

- c. WDRM v3 was used for this calculation. In those instances where an underground project was selected based on WDRM v2, PG&E matched the associated v3 circuit segment and calculated risk reduction based off WDRM v3 risk scores.
- d. No, all projects in the 2023-2026 workplan were aligned with the appropriate WDRM v3 risk scores in order to compute risk reduction. Note that although a portion of the undergrounding projects in the 2023-2026 workplan were selected due to other drivers including the WDRM v2 risk model, PSPS customer benefits, and fire rebuilds, those projects were mapped to the WDRM v3 risk score for the purposes of performing this analysis.
- e. No.