

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

PG&E Data Request No.:	CalAdvocates_009-Q010		
PG&E File Name:	WMP-Discovery2023_DR_CalAdvocates_009-Q010		
Request Date:	April 4, 2023	Requester DR No.:	CalAdvocates-PGE-2023WMP-09
Date Sent:	April 7, 2023	Requesting Party:	Public Advocates Office
DRU Index #:		Requester:	Holly Wehrman

Grid Design and System Hardening

QUESTION 010

P. 342 of PG&E's WMP states, "In July 2021, PG&E launched a multi-year program to underground 10,000 distribution circuit miles in high wildfire risk areas."

- a) Since the July 2021 announcement of its 10,000 mile undergrounding program, has PG&E performed any studies to determine whether the planned scope of 10,000 circuit miles should be revised?
- b) Please provide any available studies, analyses, reports, or workpapers pertinent to your answer to part (a).
- c) If the answer to part (a) is no, please explain why not.
- d) Does PG&E plan to perform any studies or analyses during the 2023-2025 WMP period to determine whether 10,000 circuit miles is still the appropriate scope to target for undergrounding?
- e) If the answer to part (d) is yes, please describe the planned scope and timing of such studies.
- f) If the answer to part (d) is no, please explain why not.

ANSWER 010

- a) Yes. PG&E determined that undergrounding approximately 10,000 miles will reduce approximately 70 percent of risk in the HFTD. We initially used the output from our Wildfire Distribution Risk Model (WDRM) version 2 to first identify the 10,000 miles. We then subsequently validated that this was the correct number of miles after the July 2021 announcement using the output from our updated WDRM v3.
- b) Please see the attachment "*WMP-Discovery2023_DR_CalAdvocates_009-Q010Atch01.xlsx*" for the requested information on the WDRM v2 analysis. Based on the WDRM v2, the top 20% risk-ranked circuit segments are represented by 727 circuit segments. Shown in cell K730:M730, the cumulative overhead miles are approximately 8,762 with a cumulative risk reduction of approximately 75%.

Please see attachment "*WMP-Discovery2023_DR_CalAdvocates_009-Q010Atch02.xlsx*" for the requested information on the WDRM v3 analysis. Based

on WDRM v3, PG&E's 10,000 underground circuit miles is represented by approximately 8,100 overhead miles, which is also equal to approximately 75% risk reduction.

- c) Not applicable, please see the response to subparts (a) and (b) above.
- d) PG&E's undergrounding plan will continue to evolve based on changing risk. We plan to update our risk model annually. We will continue to review the information in our updated models which will contribute to our thinking/understanding of the risk and the scope of the work. Additionally, we will outline our future plans in more detail in our SB884 filing which we plan to file later in 2023.
- e) Yes, please see the response to subpart (d).
- f) Not applicable, please see the responses to subparts (d) and (e).