

**PACIFIC GAS AND ELECTRIC COMPANY  
Wildfire Mitigation Plans Discovery 2022  
Data Response**

PG&E Data Request No.:	OEIS_008-Q05		
PG&E File Name:	WMP-Discovery2022_DR_OEIS_008-Q05		
Request Date:	April 1, 2022	Requester DR No.:	OEIS-P&GE-22-008
Date Sent:	April 6, 2022	Requesting Party:	Office of Energy Infrastructure Safety
PG&E Witness:		Requester:	Kevin Miller

**SUBJECT: DISTRIBUTION SYSTEM HARDENING**

**QUESTION 05**

In CalAdvocates\_007-Q01, PG&E states that it

“completed over 210 miles of distribution system hardening, with approximately 66% of these circuits falling within the highest risk miles defined as the top 20% of the risk buydown curve, fire re-build miles, and PSPS mitigation miles.”

- a. What is the percentage specifically that falls into each of the following respective categories?
  - i. Top 20% of the risk buydown curve;
  - ii. PSPS Impacted locations; and
  - iii. Locations where risk has materialized/historic wildfire locations
  - iv. PSS-identified locations.
- b. Where was the remaining 34% completed?
- c. What is PG&E’s plan to meet the 80% threshold moving forward (i.e., approximate percentages in top risk per year)?

**ANSWER 05**

- a.
  - i. 25% (52.5 miles) of the total 210.5 distribution system hardening miles installed in 2021 fall into the Top 20% of the risk buy down curve.
  - ii. 1% (2.8 miles) of the total 210.5 distribution system hardening miles installed in 2021 fall into the PSPS mitigation category.
  - iii. 40% (83.7 miles) of the total 210.5 distribution system hardening miles installed in 2021 fall into the Fire Rebuild (i.e., Locations where risk has materialized)

category.

- iv. This category was not used as a highest wildfire risk category in 2021. Therefore, none of the 210.5 miles were allocated to this category in 2021.
- b. The remaining 34% (71.5 miles) of the total 210.5 distribution system hardening miles installed in 2021 was primarily carryover / in construction work from 2020 that did not utilize the 2021 WDRM v2. All of this work took place in the HFTD and was prioritized as described in the 2020 WMP on pages 5-143 to 5-144.
- c. The 80% goal referenced in this request is a three-year goal from 2021 – 2023. (See page 545 of the 2022 WMP.) As indicated above, the primary reason for trending below the 80% goal in 2021 was because PG&E was completing in progress/carry over system hardening work from 2020 that did not utilize the 2021 WDRM v2. We still expect to meet our three-year goal because future planned work is driven by the 2021 WDRM v2. See the table below for current 2021-2023 actuals plus remaining forecasted mileage for distribution system hardening as of 3/29/2022:

<b>2021 - 2023 System Hardening Actuals / Forecast Mileage Summary</b>	<b>Top 20% Risk</b>	<b>Fire Rebuild</b>	<b>PSPS Mitigation</b>	<b>Other Miles (outside 2021-2023 high risk criteria)*</b>	<b>Total Overall Portfolio</b>
Mileage (Actuals/Forecast)	893.1	222.6	52.7	178.6	1346.9
Percentage by category	66%	17%	4%	13%	100%
Percentage meeting high risk criteria	87%				

\*Note: The 2021-2023 highest wildfire risk criteria identified on page 608 of the 2021 WMP did not include PSS-identified locations. Therefore, to monitor the three-year goal of completing 80% of our distribution system hardening mileage in the highest wildfire risk circuit miles, we are using the three categories identified in the 2021 WMP in the chart above.