

PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigation Plans
Rulemaking 18-10-007
Data Response

PG&E Data Request No.:	CalAdvocates_035-Q08		
PG&E File Name:	WildfireMitigationPlans_DR_CalAdvocates_035-Q08		
Request Date:	January 19, 2021	Requester DR No.:	CalAdvocates-PGE-2021WMP-01
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PG&E Witness:		Requester:	Matthew Yunge, PE

QUESTION 08

For each WMP initiative listed below, please complete Table B below, showing how much of the work you completed in 2020 was performed on transmission circuit-segments in each risk quintile.

- a) EVM
- b) Covered conductor
- c) Pole replacement
- d) Undergrounding
- e) Grid sectionalization
- f) Climbing inspections
- g) Aerial inspections
- h) LiDAR inspections

Table B		
Initiative: _____		
Quintile of circuit-segments, ranked by wildfire risk	Explanation	Amount of Work completed in 2020
0-20	Top quintile of riskiest circuit-segments, which account for the first 20 percent of cumulative wildfire risk	
21-40	Second quintile of riskiest circuit-segments, which account for percentiles 21 to 40 of cumulative wildfire risk	
41-60	Third quintile of riskiest circuit-segments, which account for percentiles 41 to 60 of cumulative wildfire risk	
61-80	Fourth quintile of riskiest circuit-segments, which account for percentiles 61 to 80 of cumulative wildfire risk	
81-100	Last quintile of riskiest circuit-segments, which account for percentiles 81 to 100 of cumulative wildfire risk	
Total	Entire service territory	

ANSWER 08

Circuits with a risk ranking have been included in quintiles in descending order of risk. Wildfire Risk Level is populated through a previous distribution risk model in order to accommodate data since 2018. It has been adapted in order to provide a consistent risk score by circuit. That model was developed for circuits in high fire threat districts (HFTD). Circuits not in HFTDs are labeled as 'Non-HFTD'. For completeness, we have also included circuit mileage that does not fall under a high fire threat district. The information for these Non-HFTD circuits are excluded from the quintile calculations.

EVM work is not performed on Transmission circuits.

Covered conductors are not used on Transmission circuits.

There have been no underground conductor installations in Transmission in 2020.

LiDAR inspection mileage has been capped at the length of the circuit thus ignoring circuit segments inspected multiple times in 2020.

Table B		
Initiative: EVM		
Quintile of circuit-segments, ranked by wildfire risk	Explanation	Amount of Work completed in 2020
0-20	Top quintile of riskiest circuit-segments, which account for the first 20 percent of cumulative wildfire risk	N/A
21-40	Second quintile of riskiest circuit-segments, which account for percentiles 21 to 40 of cumulative wildfire risk	N/A
41-60	Third quintile of riskiest circuit-segments, which account for percentiles 41 to 60 of cumulative wildfire risk	N/A
61-80	Fourth quintile of riskiest circuit-segments, which account for percentiles 61 to 80 of cumulative wildfire risk	N/A
81-100	Last quintile of riskiest circuit-segments, which account for percentiles 81 to 100 of cumulative wildfire risk	N/A
Non-HFTD Circuits	Work for circuits in not high fire threat districts and thus without a risk score	N/A
Total	Entire service territory	N/A

Table B		
Initiative: Covered Conductor Miles		
Quintile of circuit-segments, ranked by wildfire risk	Explanation	Amount of Work completed in 2020
0-20	Top quintile of riskiest circuit-segments, which account for the first 20 percent of cumulative wildfire risk	N/A
21-40	Second quintile of riskiest circuit-segments, which account for percentiles 21 to 40 of cumulative wildfire risk	N/A
41-60	Third quintile of riskiest circuit-segments, which account for percentiles 41 to 60 of cumulative wildfire risk	N/A
61-80	Fourth quintile of riskiest circuit-segments, which account for percentiles 61 to 80 of cumulative wildfire risk	N/A
81-100	Last quintile of riskiest circuit-segments, which account for percentiles 81 to 100 of cumulative wildfire risk	N/A
Non-HFTD Circuits	Work for circuits in not high fire threat districts and thus without a risk score	N/A
Total	Entire service territory	N/A

Table B		
Initiative: Number of Pole Replacements		
Quintile of circuit-segments, ranked by wildfire risk	Explanation	Amount of Work completed in 2020
0-20	Top quintile of riskiest circuit-segments, which account for the first 20 percent of cumulative wildfire risk	1,242
21-40	Second quintile of riskiest circuit-segments, which account for percentiles 21 to 40 of cumulative wildfire risk	502
41-60	Third quintile of riskiest circuit-segments, which account for percentiles 41 to 60 of cumulative wildfire risk	274
61-80	Fourth quintile of riskiest circuit-segments, which account for percentiles 61 to 80 of cumulative wildfire risk	242
81-100	Last quintile of riskiest circuit-segments, which account for percentiles 81 to 100 of cumulative wildfire risk	102
Non-HFTD	Work for circuits in not high fire threat districts and thus without a risk score	41
Total	Entire service territory	2,403

Table B		
Initiative: Miles of UG Conductor		
Quintile of circuit-segments, ranked by wildfire risk	Explanation	Amount of Work completed in 2020
0-20	Top quintile of riskiest circuit-segments, which account for the first 20 percent of cumulative wildfire risk	0
21-40	Second quintile of riskiest circuit-segments, which account for percentiles 21 to 40 of cumulative wildfire risk	0
41-60	Third quintile of riskiest circuit-segments, which account for percentiles 41 to 60 of cumulative wildfire risk	0
61-80	Fourth quintile of riskiest circuit-segments, which account for percentiles 61 to 80 of cumulative wildfire risk	0
81-100	Last quintile of riskiest circuit-segments, which account for percentiles 81 to 100 of cumulative wildfire risk	0
Non-HFTD	Work for circuits in not high fire threat districts and thus without a risk score	0
Total	Entire service territory	0

Table B		
Initiative: Number of Sectionalization Devices Installed		
Quintile of circuit-segments, ranked by wildfire risk	Explanation	Amount of Work completed in 2020
0-20	Top quintile of riskiest circuit-segments, which account for the first 20 percent of cumulative wildfire risk	29
21-40	Second quintile of riskiest circuit-segments, which account for percentiles 21 to 40 of cumulative wildfire risk	10
41-60	Third quintile of riskiest circuit-segments, which account for percentiles 41 to 60 of cumulative wildfire risk	7
61-80	Fourth quintile of riskiest circuit-segments, which account for percentiles 61 to 80 of cumulative wildfire risk	16
81-100	Last quintile of riskiest circuit-segments, which account for percentiles 81 to 100 of cumulative wildfire risk	4
Non-HFTD	Work for circuits in not high fire threat districts and thus without a risk score	31
Total	Entire service territory	97

Table B		
Initiative: Number of Climbing Inspections		
Quintile of circuit-segments, ranked by wildfire risk	Explanation	Amount of Work completed in 2020
0-20	Top quintile of riskiest circuit-segments, which account for the first 20 percent of cumulative wildfire risk	716
21-40	Second quintile of riskiest circuit-segments, which account for percentiles 21 to 40 of cumulative wildfire risk	484
41-60	Third quintile of riskiest circuit-segments, which account for percentiles 41 to 60 of cumulative wildfire risk	148
61-80	Fourth quintile of riskiest circuit-segments, which account for percentiles 61 to 80 of cumulative wildfire risk	519
81-100	Last quintile of riskiest circuit-segments, which account for percentiles 81 to 100 of cumulative wildfire risk	11
Non-HFTD	Work for circuits in not high fire threat districts and thus without a risk score	1,024
Total	Entire service territory	2,902

Table B		
Initiative: Number of Aerial Inspections		
Quintile of circuit-segments, ranked by wildfire risk	Explanation	Amount of Work completed in 2020
0-20	Top quintile of riskiest circuit-segments, which account for the first 20 percent of cumulative wildfire risk	1,329
21-40	Second quintile of riskiest circuit-segments, which account for percentiles 21 to 40 of cumulative wildfire risk	1,006
41-60	Third quintile of riskiest circuit-segments, which account for percentiles 41 to 60 of cumulative wildfire risk	1,202
61-80	Fourth quintile of riskiest circuit-segments, which account for percentiles 61 to 80 of cumulative wildfire risk	731
81-100	Last quintile of riskiest circuit-segments, which account for percentiles 81 to 100 of cumulative wildfire risk	379
Non-HFTD	Work for circuits in not high fire threat districts and thus without a risk score	6,737
Total	Entire service territory	11,384

Table B		
Initiative: Miles of LiDAR Inspection		
Quintile of circuit-segments, ranked by wildfire risk	Explanation	Amount of Work completed in 2020
0-20	Top quintile of riskiest circuit-segments, which account for the first 20 percent of cumulative wildfire risk	2,343
21-40	Second quintile of riskiest circuit-segments, which account for percentiles 21 to 40 of cumulative wildfire risk	1,906
41-60	Third quintile of riskiest circuit-segments, which account for percentiles 41 to 60 of cumulative wildfire risk	1,445
61-80	Fourth quintile of riskiest circuit-segments, which account for percentiles 61 to 80 of cumulative wildfire risk	1,196
81-100	Last quintile of riskiest circuit-segments, which account for percentiles 81 to 100 of cumulative wildfire risk	1,006
Non-HFTD	Work for circuits in not high fire threat districts and thus without a risk score	9,771
Total	Entire service territory	17,667