

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

PG&E Data Request No.:	OEIS_010-Q03		
PG&E File Name:	WMP-Discovery2022_DR_OEIS_010-Q03		
Request Date:	April 15, 2022	Requester DR No.:	Data Request OEIS-PG&E-22-010
Date Sent:	April 20, 2022	Requesting Party:	Office of Energy Infrastructure Safety
PG&E Witness:		Requester:	Kevin Miller

SUBJECT: PSPS-RELATED MITIGATION LOCATIONS

QUESTION 03

On page 870, PG&E indicates potential reductions in PSPS event size in 2022 are expected to come from planned mitigations and "PG&E is currently still in the process of finalizing locations for certain 2022 mitigations but anticipates the following mitigations to come online in 2022. These include:

- Distribution Sectionalizing Devices;
- Transmission Sectionalizing Devices;
- Temporary Distribution Microgrids;
- Distribution System Hardening; and
- Fixed Power Solutions (FPS).

In a footnote on the same page, PG&E indicates:

"Some mitigation programs require more than a year of lead time to execute. As a result, some of the mitigations expected to be available in 2022 were identified using earlier data, including the 2020 lookback."

This would seem to indicate at least some selections would have had to have been made previously.

- a. When does PG&E plan to have these remaining locations finalized?
- b. Please provide currently available locations for those which have been finalized as a GIS file (.gdb)?
- c. How will it determine locations are in the highest risk areas for PSPS?
- d. For each of the above-listed mitigations, please provide a percentage of projects that align with top risk, defined as:
 - i. The top 20% risk score output from the 2021 Wildfire Distribution Risk Model;
 - ii. PSPS Impacted Locations; and
 - iii. Locations where risk has materialized.
 - iv. PSS Identified Locations.

ANSWER 03

- a. The locations of all 2022 mitigations planned for PSPS are identified in the attached file WMP-Discovery2022_DR_OEIS_010-Q03Atch01. These locations have been finalized with the exception of Fixed Power Solutions which have an expected finalization date of September 2022; this is driven by challenges with battery storage supply chain and inventory.
- b. Please see WMP-Discovery2022_DR_OEIS_010-Q03Atch01.
- c. Locations that are highest risk for PSPS are based on data from the PSPS Consequence Model. The purpose of the PSPS Consequence Model is to represent the spatial/circuit variation in PSPS consequence and to prioritize PSPS mitigation efforts in high-risk locations based on frequency, customer, and duration of PSPS impact. This more granular model will help assess the impacts of PSPS de-energizations in support of making PSPS mitigation planning decisions based on lookback analysis. For more details on the PSPS Consequence Model see Section 4.5.1(i) of the WMP.
- d. PG&E interprets the reference to 4 items listed as “align with top risk” as the language used for the risk profiles the System Hardening program identified as high wildfire risk. The above-listed mitigations, other than Distribution System Hardening, are meant to target PSPS, and as such, PG&E responds to this question based on this interpretation.

The Distribution System Hardening expects to have 80% of its miles come from the top 20% risk score output of the 2021 WDRM. The remaining 20% of miles can come from other high wildfire risk sources.

The remaining mitigation solutions, in relation to the 4 items listed above, are meant to target PSPS impacted locations, and do not address Wildfire directly. Please also note, these mitigation solutions can be used in managing other aspects of risk not listed in this question, like addressing reliability needs in non-HFTD.

For example, out of the 4 listed “top risks” as identified by OEIS, 100% of Distribution Sectionalizing Devices projects are meant to target PSPS Impacted locations.

Below is a table to summarize the response.

Mitigation Solution	Distribution Sectionalizing Devices	Transmission Sectionalizing Devices	Temporary Distribution Microgrids	Distribution System Hardening	Fixed Power Solutions (FPS)
i. The top 20% risk score output from the 2021 Wildfire Distribution Risk Model	-	-	-	projected 80%	-
ii. PSPS Impacted Locations	100%	100%	100%	projected 20%	100%

Mitigation Solution	Distribution Sectionalizing Devices	Transmission Sectionalizing Devices	Temporary Distribution Microgrids	Distribution System Hardening	Fixed Power Solutions (FPS)
iii. Locations where risk has materialized	-	-	-		-
iv. PSS Identified Locations.	-	-	-		-