

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

PG&E Data Request No.:	CalAdvocates_006-Q016		
PG&E File Name:	WMP-Discovery2023_DR_CalAdvocates_006-Q016		
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Date Sent:	March 29, 2023	Requesting Party:	Public Advocates Office
DRU Index #:		Requester:	Holly Wehrman

The following questions relate to your 2023-2025 WMP submission.

If a full response to a given question will be included in your WMP submission, your response to that question of this data request may consist of a citation to the specific page(s) or table(s) of the WMP where the information may be found, a written response to the question, or both.

Topic: PSPS

QUESTION 016

Regarding your PSPS circuit modeling capabilities:

- a) Please describe your present circuit modeling capabilities with regard to PSPS decision-making (“PSPS circuit modeling capabilities”), including with what level of granularity they are able to determine how circuit hardening efforts or other changes to a line segment will affect PSPS thresholds.
- b) Please describe any improvements to the present PSPS circuit modeling capabilities that you expect to implement in 2023.
- c) Please describe any improvements to the present PSPS circuit modeling capabilities that you expect to implement in 2024.
- d) Please describe the expected state of your PSPS circuit modeling capabilities at the conclusion of the 2023-2025 WMP cycle.

ANSWER 016

- a) For all questions below, PG&E understands circuit modeling to mean the level of granularity at which a utility can model the configuration of its electrical assets and de-energize them as such.

PG&E models and de-energizes circuits utilizing all switching devices on the system that do not pose ignition risks. The effects of hardening and other changes to lines will be accounted for by our IPW model which uses machine learning to quantify past outages and ignitions and uses those as a basis for ignition and outage potential going forward which feeds into our PSPS modeling. Thus, any improvements to the system or changes would be incorporated as their historical performance changes.

- b) As mentioned, PG&E models circuits at the most granular level for de-energization taking into account all devices on the system that do not pose an ignition risk.
- c) As mentioned, PG&E models circuits at the most granular level for de-energization taking into account all devices on the system that do not pose an ignition risk.
- d) As mentioned, PG&E models circuits at the most granular level for de-energization taking into account all devices on the system that do not pose an ignition risk.