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

PG&E Data Request No.:	OEIS_004-Q009		
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Request Date:	May 4, 2023	Requester DR No.:	P-WMP_2023-PG&E-004
Date Sent:	May 9, 2023	Requesting Party:	Office of Energy Infrastructure Safety
DRU Index #:		Requester:	Colin Russell Lang

SUBJECT: REGARDING COORDINATION WITH OTHER UTILITIES ON PSPS WIND THRESHOLDS

QUESTION 009

In its response to ACI PG&E-22-31, PG&E states:

> "In collaboration with the joint IOU team, PG&E has performed effectiveness studies to evaluate how covered conductors can reduce ignition risk compared to bare conductor."

a. Is the collaboration referenced the Covered Conductor Effectiveness Study (Table 8-63, Line 1)?
   i. List PG&E's other, if any, collaboration efforts with the investor-owned utilities at evaluating the effect of covered conductor on PSPS risk.
b. Has PG&E specifically discussed raising of PSPS wind thresholds in any of its covered conductor collaboration efforts?
   i. List the collaboration efforts, if any, where adjusting PSPS wind thresholds for covered conductor was discussed.
c. Provide a list of PG&E's circuits that are fully hardened with covered conductor.

ANSWER 009

a. The Joint IOU Covered Conductor Working Group Report was provided in the original submission as part of attachment "Attachment 2023-03-27_PGE_2023_WMP _R0_Appendix D ACI PG&E-22-11_Atch01.pdf".
   i. PG&E did not collaborate with the investor-owned utilities to evaluate the effectiveness of covered conductors related to PSPS.
b. As stated in response to ACI PG&E-22-31 in the 2023-2025 WMP, due to our PSPS modeling approach, we would not adjust our final PSPS risk thresholds to account for covered conductor. Our Catastrophic Fire Probability model (discussed in Section 9) is a risk-based assessment of the probability of ignition given an outage multiplied by the probability of catastrophic fires (Fire Potential Index). Thus, we would not adjust the threshold at which PSPS is executed (each area is scoped for PSPS at the same risk threshold) based on covered conductor.

PG&E does, however, incorporate new outage data each year into our Outage Producing Winds (OPW) and Ignition Probability Weather (IPW) machine learning models. These updates account for any updated wind to outage to ignition responses in local areas of the grid, including those due to asset upgrades like covered conductor. In addition, PG&E is also exploring if adding covered conductor as a feature of the IPW model in future iterations provides benefits (see Objective SA-04).

c. Please reference "*WMP-Discovery2023_DR_OEIS_004-Q009Atch01.xlsx*" for a list of historical OH covered conductor projects as well as a list of forecasted projects to harden covered conductors.