

PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigations Plans Discovery 2026-2028
Data Response

PG&E Data Request No.:	SPD_07-Q002
PG&E File Name:	WMP-Discovery2026-2028_DR_SPD_007-Q002
Request Date:	June 2, 2025
Requester DR No.:	SPD-PGE-WMP2026-007
Requesting Party:	Safety Policy Division
Requester:	Edwin Schmitt
Date Sent:	June 5, 2025

SUBJECT: FOLLOW-UP ON MITIGATION EFFECTIVENESS IN 2026-2028 BASE WMP (SPD- PGE-WMP2026-007)

Provide responses to the items listed below.

QUESTION 002

Does PG&E's Pr(I|O) model used as part of its WDRM v4 vary spatially or are the values presented in TABLE ACI-PG&E-25U-01-1 uniformly applied to all assets?

ANSWER 002

The p(i|o) model that contributes to WDRM v4 varies spatially throughout the distribution service territory.

Table ACI-PG&E-25U-01-1 illustrates an improvement that was made to the p(i|o) model in support of WDRM v4. Whereas WDRM v3 considered each asset and pixel sub-model independently, the lack of training data complicated model training for those sub-models with very low ignition counts. Thus model-groups were made to increase ignition counts for the training set of sub-models that had similar ignition characteristics. For WDRM v4, each sub-model's p(i|o) outcome considers both model group attributes and individual sub-model attributes that vary spatially over the distribution service territory.

TABLE ACI-PG&E-25U-01-1:
CORRELATION BETWEEN SUB MODELS AND OUTAGE MODELS

Model Group	Member Models	Outages (count)	Ignitions (count)	Ignitions per Outage
1	Vegetation – Branch, Vegetation – Trunk	12,022	751	6.2%
2	Support Structure – Electrical	4,033	713	17.7%
3	Animal – Squirrel, Third-Party – Balloon, Third-Party – Vehicle, Third-Party – Other	18,040	613	3.4%
4	Primary Conductor – Wire Down	5,317	515	9.7%
5	DPD, Capacitor Bank, Fuse, Switch, Voltage Regulator	6,544	498	7.6%
6	Animal – Bird, Animal – Other, Primary Conductor – Line Slap, Transformer – Leaking	8,411	388	4.6%
7	Transformer – Equipment	14,297	269	1.9%
8	Secondary Conductor	3,318	220	6.6%
9	Vegetation – Other	1,931	209	10.8%
10	Other Equipment	54,053	188	0.3%
11	Support Structure – Equipment	4,314	187	4.3%
12	Primary Conductor – Other	1,961	179	9.1%

A detailed description of the p(i|o) model is provided in Section 3.6 of the “*Distribution Event Probability Models v4 Documentation*”, which is part of the WDRM v4 documentation suite provided with the 2026 – 2028 WMP submission.