

**PACIFIC GAS AND ELECTRIC COMPANY
Wildfire Mitigations Plans Discovery 2023-2025
Data Response**

PG&E Data Request No.:	CalAdvocates_0053-Q001
PG&E File Name:	WMP-Discovery2023-2025_DR_CalAdvocates_0053-Q001
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Requester DR No.:	CalAdvocates-PGE-2025WMP-16
Requesting Party:	Public Advocates Office
Requester:	Matthew Taul
Date Sent:	September 27, 2024

This data request relates to both PG&E’s Wildfire Distribution Risk Model version 4 (henceforth referred to as “WDRM v4”) and as a follow-up data request to CalAdvocates-PGE-2025WMP-05 issued on April 5th, 2024.

PG&E’s WDRM v4 contains 23 probability sub-models for ignition risk, compared to the 17 risk sub-models contained in PG&E’s WDRM v3, as is shown in the table below.

**TABLE 1
WDRM V3 VS. WDRM V4 SUB-MODEL COMPARISON**

	WDRM v3		WDRM v4
1	Animal Bird	1	Animal – Bird
2	Animal Squirrel	2	Animal – Squirrel
3	Animal Other	3	Animal – Other
-	-	4	Capacitor Bank
-	-	5	DPD
-	-	6	Fuse
-	-	7	Primary Conductor – Line Slap
-	-	8	Primary Conductor – Wire Down
4	Primary Conductor	9	Primary Conductor – Other
5	Secondary Conductor	10	Secondary Conductor
-	-	11	Support Structure - Leaking
6	Support Structure Equipment cause	12	Support Structure – Equipment
7	Support Structure Electrical	-	-
-	-	13	Switch
8	Third-party Balloon	14	Third Party – Balloon
9	Third-party Vehicle	15	Third Party – Vehicle
10	Third-party Other	16	Third Party – Other
11	Transformer Equipment Cause	17	Transformer – Equipment
12	Transformer Equipment Leaking	18	Transformer – Leaking
13	Vegetation Branch	19	Vegetation – Branch
14	Vegetation Trunk	20	Vegetation – Trunk
15	Vegetation Other	21	Vegetation – Other
16	Voltage Control Equipment	22	Voltage Regulator
17	Other Equipment	23	Other Equipment

At least sixteen of the WDRM v4 sub-models appear to have the same or similar names to sub-models found in WDRM v3 (highlighted in green). Seven sub-models in WDRM v4 appear to be new sub-models not originally found in WDRM v3 (highlighted in orange). One sub-model from WDRM v3 appears to be missing in WDRM v4 (highlighted in yellow).

QUESTION 001

Does PG&E agree with the mapping of similar risk sub-models between WDRM versions v3 and v4 as shown Table 1? If not, please arrange the table so that sub-models found in WDRM v3 are aligned with the similar sub-model found in WDRM v4. In the event that multiple sub-models in one version have been incorporated into a single sub-model in another version, please clarify.

ANSWER 001

PG&E does not agree with the mapping shown in Table 1 and has re-arranged the table to show the mapping between sub-models. There is no Support Structure Leaking model.

To clarify some of the mappings:

- The v3 voltage control equipment model was split into the v4 voltage regulator and v4 capacitor bank models.
- The v4 DPD, v4 Fuse, and v4 Switch models were previously included in one of the v3 conductor models based on their voltage level (i.e. primary vs. secondary).

The other models maintained a one-to-one mapping.

	WDRM v3		WDRM v4
1	Animal Bird	1	Animal – Bird
2	Animal Squirrel	2	Animal – Squirrel
3	Animal Other	3	Animal – Other
4	Primary Conductor	5	DPD (primary)
		6	Fuse (primary)
		13	Switch (primary)
		7	Primary Conductor – Line Slap
		8	Primary Conductor – Wire Down
		9	Primary Conductor – Other
5	Secondary Conductor	10	Secondary Conductor
		5	DPD (secondary)
		6	Fuse (secondary)
		13	Switch (secondary)
6	Support Structure Equipment cause	12	Support Structure – Equipment
7	Support Structure Electrical	11	Support Structure – Electrical
8	Third-party Balloon	14	Third Party – Balloon
9	Third-party Vehicle	15	Third Party – Vehicle
10	Third-party Other	16	Third Party – Other
11	Transformer Equipment Cause	17	Transformer – Equipment
12	Transformer Equipment Leaking	18	Transformer – Leaking
13	Vegetation Branch	19	Vegetation – Branch
14	Vegetation Trunk	20	Vegetation – Trunk
15	Vegetation Other	21	Vegetation – Other
16	Voltage Control Equipment	22	Voltage Regulator
		4	Capacitor Bank
17	Other Equipment	23	Other Equipment