

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

PG&E Data Request No.:	CalAdvocates_0053-Q003
PG&E File Name:	WMP-Discovery2023-2025_DR_CalAdvocates_0053-Q003
Request Date:	September 18, 2024
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 003

For the newly introduced probability models for ignition risk introduced in WDRM v4 that were not present in WDRM v3, please provide a data dictionary to describe these new risk models and what additional risk they represent.

ANSWER 003

There were no new probability models introduced in WDRM v4 that captured additional risk which were not present in WDRM v3. Please reference PG&E's response to Question No. 001, which provides the correct mapping between models and accounts for the referenced highlighted sub-models. Each WDRM v4 model is described in detail in the Event Probability Model documentation.