

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

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**SUBJECT: REGARDING PG&E’S WILDFIRE TRANSMISSION RISK MODEL (WTRM)**

**QUESTION 028**

- a. In Table 5-1: Risk Modeling Assumptions and Limitations, page 79 of the 2026-2028 Base WMP, PG&E states that it identified 47 components divided into nine asset groups.
- Provide a list of these 47 components and associated asset groupings for each component.
  - Figure PG&E-5.2-3: Wildfire Transmission Risk Analysis Framework only shows eight probability models relating to assets. How do these eight models relate to the nine asset groups?
  - What asset types, if any, are not captured through this analysis and grouping? How is PG&E working to evaluate the risk associated with these other asset types?

**Answer 028**

- a.
- The table below lists the 47 components and associated asset group. “Component” refers to the individual component whose failure could result in an ignition, and “Group” is the component grouping for the TCM. There are 9 component groupings: (1) conductors, (2) insulators, (3) non-steel structures (NSS), (4) steel structures (SS), (5) foundations, (6) switches, (7) above grade hardware (AGH), (8) below grade hardware (BGH), and (9) splices.

	<b>Component</b>	<b>Group</b>
1	Conductor	Conductor
2	Damper	AGH
3	Jumper	Conductor

	<b>Component</b>	<b>Group</b>
4	Shield Wire	Conductor
5	OPGW (Ground Wire)	Conductor
6	Spacers	AGH
7	Splices	Splice
8	Tie Wire	AGH
9	Aviation Ball	AGH
10	Insulator	Insulator
11	Grading Rings	Insulator
12	Raptor/Bird and Animal Guards	SS
13	Bolts	AGH
14	Hanger Plates	AGH
15	Shield Wire Plates	AGH
16	Clamps	AGH
17	Hot-end hardware	AGH
18	Shoe assembly	AGH
19	Cold-end hardware	AGH
20	Connector	AGH
21	Anchor-wood	AGH/BGH
22	Structure	NSS
23	Cross Arm	NSS
24	Ground Wire	AGH/BGH
25	Bridging	AGH
26	Guy System/Pole/Splices	AGH/BGH
27	Bond Wire	NSS
28	Anchor-Steel	AGH/BGH
29	Structure - Leg Member	SS
30	Structure - non leg member	SS
31	Cross Arm	SS
32	Foundation/Concrete	Foundation
33	Foundation/Earth	Foundation

	<b>Component</b>	<b>Group</b>
34	Foundations/Pile	Foundation
35	Ground Wire	AGH/BGH
36	Guy System/Pole/splices	AGH/BGH
37	Stub Angles	Foundation
38	Anchor Bolts (Tubular Steel Poles)	AGH/BGH
39	Distribution Equipment	Switch
40	Switch insulators	Switch
41	PT (Potential Transformers)	Switch
42	CT (Current Transformers)	Switch
43	Contacts/Live Parts	Switch
44	Quick Break Attachments	Switch
45	Interrupters	Switch
46	Batteries	Switch
47	Operating Assembly	Switch

- ii. The ninth asset group that is missing from Figure 5.2-3 is the switches. A deterministic approach was chosen for the transmission switch asset group rather than predictive modeling through the WTRM. The deterministic model utilizes asset data (age, manufacturer, type, location, etc.), manufacturers' recommendations, industry best practices and inspection results to prioritize controls and mitigations. This approach is typically considered for components with small populations or limited deployment, which applies to transmission switches (approximately 2,000 installed in the system).
- iii. Individual components whose failure could result in an ignition are captured in this analysis and grouping. Risk associated with switches are evaluated as described in the previous answer (ii).