

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

PG&E Data Request No.:	OEIS_005-Q007
PG&E File Name:	WMP-Discovery2026-2028_DR_OEIS_005-Q007
Request Date:	April 22, 2025
Requester DR No.:	OEIS-P-WMP-2025-PG&E-005
Requesting Party:	Office of Energy Infrastructure Safety
Requester:	Nathan Poon
Date Sent:	May 6, 2025

SUBJECT: REGARDING RELIABILITY AND PUBLIC SAFETY RISK MODELS

QUESTION 007

In response to data request OEIS-P-WMP_2025-PG&E-002, Question 13 regarding Reliability and Public Safety risk models, PG&E states that the components—Insulator Contamination Update, Public Safety Risk Model v2, Reliability Risk Model v1, Public Safety Consequence v2, and Reliability Consequence V1—"are not currently used for wildfire mitigation planning" and are "developed to help inform internal investment planning primarily outside of HFTD."

- a. Provide documentation that captures and discusses these components, as previously requested in data request OEIS-P-WMP_2025-PG&E-002, Question 13. If such documentation does not exist, explain how these models are documented.
- b. Describe why these components are separate for wildfire mitigation planning, and what models do capture reliability and public safety components for the sake of wildfire mitigation planning.
- c. Provide a list of projects informed by these models within the HFTD, if applicable.

ANSWER 007

- a.
 - Insulator contamination: This model is still in development for WTRM. There is no formal documentation yet.
 - Public Safety
 - Public Safety Consequence v2: Public safety consequence estimates the presence of people near PG&E equipment. For example, if there were a wire down event, this would estimate the number of people who would be present in the area, on average. The focus of the model is on urban areas with larger populations. Documentation is in progress and not finalized.
 - Public Safety Risk Model v2: No official model has been released. The proposed model would combine likelihood of failure values with the Public Safety Consequence v2 values.

- Reliability Risk
 - Reliability Consequence V1: The Reliability consequence model estimates customer reliability impacts from an unplanned outage.
 - Reliability Risk Model v1: No official model has been released. The proposed model would combine the likelihood of unplanned outage values with the Reliability Consequence v1 values. This model is independent of the EPSS Risk and PSPS Risk models described in the WMP.

The models listed are in support of internal analysis and prioritization programs for specific PG&E business needs only. The model outputs were not used for the mitigation plans and prioritizations for the 2026-2028 WMP.

b.

- Public Safety: The proposed Public Safety Risk model is intended to capture public safety risks in urban, more populated areas outside of HFTD. Wildfire safety risks in HFTD are captured by the WDRM and WTRM.
- Reliability Risk: Reliability risks from unplanned outages are quantified for Integrated Grid Planning purposes, which compares asset management investment scenarios. The tooling is still in development. Wildfire related reliability risks are captured by the EPSS risk and PSPS risk models described in the WMP.

- c. The Public Safety and Reliability Models described in subparts (a) and (b) are for PG&E internal business purposes only and have not been used to plan WMP-related projects in HFTD.