



**OFFICE OF ENERGY INFRASTRUCTURE SAFETY**

715 P Street, 15th Floor | Sacramento, CA 95814

916 902-6000 | [www.energysafety.ca.gov](http://www.energysafety.ca.gov)

Caroline Thomas Jacobs, Director

**TRANSMITTED VIA ELECTRONIC MAIL**

**DATA REQUEST**

**Request Date:** January 21, 2026

**Response Due:** February 2, 2026

**To:** Dan Blair  
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**Originator:** Sam Khaikin  
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**Data Request Number:** Energy Safety-DR-EUP-26-01

**Subject:** Bow Tie Models and Mitigation Effectiveness Studies



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## **INSTRUCTIONS**

- a. Provide all information in your possession, custody, or control, or in the possession, custody, or control of your affiliates or agents, that is responsive to these data requests by the due date identified above.
- b. Responses and documents may be produced and served electronically, but they shall be fully machine-readable and searchable.
- c. If you have any questions about the meaning or scope of the data requests herein, direct such questions to the Energy Safety staff identified as the “Originator” of this request at your earliest opportunity.
  1. Lack of clarity on meaning or scope of requests, without prior request for clarification from the “Originator,” will not be a permissible reason for incomplete responses and will be regarded as non-compliance with the request.
- d. Identify the personnel (employees, consultants, agents, etc.) who provided information responsive to each of the data requests below. As used in this context herein, “identify” means to provide the full name, business address, and title of each employee, consultant, or agent who provided such information.
- e. Please indicate if you do not know the exact answer to any of the requests below and provide your best estimate.
- f. Provide data in its original format (e.g., PDF, Excel, GIS shapefile, etc.), unless otherwise specified in the request.
- g. Send your response to the Originator and include a copy to:  
[Simone.Brant@energysafety.ca.gov](mailto:Simone.Brant@energysafety.ca.gov),  
[Jeanne.Mckinney@energysafety.ca.gov](mailto:Jeanne.Mckinney@energysafety.ca.gov),  
[electricalundergroundingplans@energysafety.ca.gov](mailto:electricalundergroundingplans@energysafety.ca.gov)
- h. E-file a copy of the response on the Electrical Undergrounding Docket #2023-UPs.



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## **REQUEST**

**Q01.** Please provide PG&E’s current bow-tie model schematics and workpapers submitted with the PG&E 2027 GRC that support PG&E’s Enterprise Risk Model for the wildfire, PSPS, and EPSS risks, including both risk neutral and risk scaled versions. The workpapers requested are the updated GRC workpapers corresponding to the workpapers submitted for the Wildfire Risk in PG&E’s 2024 RAMP [A.24-05-008] submitted as Exhibit PG&E-4.

**Q02.** Please explain the process patrol crews follow to inspect power lines before restoring service after PG&E initiates a Public Safety Power Shutoff (PSPS) event.

- a. What specific information is collected during these patrols?
- b. How is the information collected from patrols documented and incorporated into PG&E’s risk modeling processes?
- c. If patrol crews observe a “near miss” (for example, vegetation contacting a line that could have resulted in an ignition), is this information captured? If so:
  - i. What specific information is captured regarding near misses?
  - ii. How is the information recorded?
  - iii. Is the information used in risk modeling? If so, provide specific details on how, when, and in which risk models this information is used.
  - iv. What qualifies as a near miss for purposes of data collection when inspecting power lines after a PSPS event?

**Q03.** Please explain the process patrol crews follow to inspect power lines after an EPSS-related outage occurs.

- a. What factors does PG&E consider when determining whether to dispatch a crew to inspect the line?
- b. What specific information is collected during these patrols?
- c. How is the information collected from patrols documented and incorporated into PG&E’s risk modeling processes?
- d. If patrol crews observe a “near miss” (for example, vegetation contacting a line that could have resulted in an ignition), is this information captured? If so:
  - i. What specific information is captured regarding near misses?
  - ii. How is the information recorded?
  - iii. Is the information used in risk modeling? If so, provide specific details on how, when, and in which risk models this information is used.



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- iv. What qualifies as a near miss for purposes of data collection when inspecting power lines after an EPSS-related outage?

**Q04.** Regarding Table 6-1, *Mitigation Effectiveness Alone and in Combination*, of PG&E's 2026-2028 WMP,<sup>1</sup> please provide the supporting data on which the "Blended Average Effectiveness" values are based for each of the System Hardening Mitigations in the table. This data should correspond to the spreadsheet that PG&E provided to TURN in response to TURN's Data Request 002, Question 5 (file name: WMP-Discovery2026-2028\_DR\_TURN\_002-Q005Atch01.xlsx)

**END OF REQUEST**

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<sup>1</sup> As found in PG&E's Wildfire Mitigation Plan R1, Volume 1 of 2, pg. 128, released July 28, 2025.