

Pre-Discovery 43	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_01	1	CPUC - SPD (Safety Policy Division)_01_01	REFCL Inquiries REFCL Plan at Calitopia Circuit Station 110213151 Describe various active settings Describe how staged fault setting is to be conducted Substation Configuration - Describe any substation or circuit configuration issues to display REFCL availability of REFCL - Describe any known issues to increasing deployment of CA Explain when risk drivers per Table PG&E 7.1.4 - REFCL mitigates Explain why REFCL is not deployed mitigation for busbar deployment and confirm PG&E no longer plans to install REFCL at #2 substations per per per CFC filing	Wendy Alkhabaz	2/23/2023	3/6/2023	3/9/2023	https://www.pge.com/legal/global/anonymous/flyer/submit/submit?source=refcl	0	N/A	8.1.1.3	Grid Operations and Procedures	Settings of Other Emerging Technologies (e.g. Rapid Earth Fault Current Limiters)	
Pre-Discovery 44	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_01	2	CPUC - SPD (Safety Policy Division)_01_02	EPSS & Supporting Technologies (DCD - Partial Voltage Detection) Inquiries Explain all activities planned to mitigate DCD installability projects Explain customer support programs (e.g. battery voltage) distinct from or to be done in place for EPSS replacement Explain Remote Control Field settings for EPSS enabled circuit breakers Explain DCD 2023-2023 Targets (e.g. 500, 400, 450 positive reactive current controllers or relays) and whether they will cover all HTFD and buffer EPSS. Explain why not. To the extent possible, explain how many DCD are currently installed including on the 50 kV risk circuit segments Explain Partial Voltage Detection using SmartMeters and other EPSS enabled DCD	Wendy Alkhabaz	2/23/2023	3/6/2023	3/9/2023	https://www.pge.com/legal/global/anonymous/flyer/submit/submit?source=epss	0	N/A	8.1.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings	
Pre-Discovery 45	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_01	3	CPUC - SPD (Safety Policy Division)_01_03	EPSS & REFCL Inquiries EPSS vs REFCL - Describe the major similarities and differences (what are advantages and disadvantages?) In terms of capacity, availability, safety, and reliability Phase-to-Ground Faults in Complex (Multi-Phase) Feeds - What is the risk profile of existing ignitions on PG&E's system and how does REFCL/EPSS mitigate these risks? Continuation of REFCL, EPSS & Other Mitigations - Explain how these could work together, and PG&E has identified combined REFCL/EPSS benefits Describe the differences in fault energy for EPSS vs REFCL, including for low and high impedance faults, including why EPSS is preferred / REFCL fault energy is less than 10% of EPSS fault energy for low impedance faults Explain the effectiveness of DCD vs REFCL on high impedance faults	Wendy Alkhabaz	2/23/2023	3/6/2023	3/9/2023	https://www.pge.com/legal/global/anonymous/flyer/submit/submit?source=epss-refcl	0	N/A	8.1.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk	
Pre-Discovery 46	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_01	4	CPUC - SPD (Safety Policy Division)_01_04	General risk reduction inquiry What's PG&E's goal for long-term risk reduction, particularly reduction of likelihood of ignition and also reduction of consequences, for circuits in HTFDs that are not underground?	Wendy Alkhabaz	2/23/2023	3/6/2023	3/9/2023	https://www.pge.com/legal/global/anonymous/flyer/submit/submit?source=wildfire	0	N/A	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities	
Pre-Discovery 22	CaPA	Sat WMP-05	CaPA_Sat WMP-05_01	1	CaPA_Sat WMP-05_01	In response to Data Review/Calitopia-POS-2023WMP-01 on September 8, 2022: PG&E provided information regarding its Wildfire Distribution Risk Model version 3 (WDRM v3). Please provide an updated response to questions 1-7 of the above referenced data request, including any more changed information since PG&E's original response. If the response to a question has not changed, please so indicate.	Holly Whitman	2/16/2023	3/16/2023	3/16/2023	https://www.pge.com/legal/global/anonymous/flyer/submit/submit?source=wdrmv3	0	N/A	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	WDRM v3	
Pre-Discovery 23	CaPA	Sat WMP-05	CaPA_Sat WMP-05_02	2	CaPA_Sat WMP-05_02	If there are identified transportation corridors within safety zones, safety or safety zone of joint custody, identify any signs and/or signs during an emergency? If it is possible to post up to place, please describe how you identify such transportation corridors. If available, please provide a geographical data file that contains all current identified transportation corridors with names and access bearings.	Holly Whitman	2/16/2023	3/16/2023	3/16/2023	https://www.pge.com/legal/global/anonymous/flyer/submit/submit?source=transportation	0	N/A	8.1.3	Asset Inspections	N/A	
Pre-Discovery 24	CaPA	Sat WMP-05	CaPA_Sat WMP-05_03	3	CaPA_Sat WMP-05_03	Please fill out the attached spreadsheet, Calitopia-POS-2023WMP-05 Attachment 1, requesting information regarding your asset inspections in 2022.	Holly Whitman	2/16/2023	3/16/2023	3/16/2023	https://www.pge.com/legal/global/anonymous/flyer/submit/submit?source=assetinspections	1	N/A	8.1.3	Asset Inspections	Inspections completed in 2022	
Pre-Discovery 25	CaPA	Sat WMP-05	CaPA_Sat WMP-05_04	4	CaPA_Sat WMP-05_04	Please see attachment "WMP-Discovery2023_DR_California_Q03-D00A0401.xlsx" for the requested Distribution Information. Geographic latitude in decimal degrees, truncated to seven decimal places Geographic longitude in decimal degrees, truncated to seven decimal places Priority of the original notification, using PG&E's internal priority level codes Open/Investigation code or other internal description of defect Please complete column "Equipment type" of Table 13. Please complete or explain why each of the below columns is not applicable: Column 1 Column 2 Column 3 Column 4	Holly Whitman	2/16/2023	3/16/2023	3/16/2023	https://www.pge.com/legal/global/anonymous/flyer/submit/submit?source=distinfo	2	N/A	2022 QDR	QDR	P	logs
Pre-Discovery 26	CaPA	Sat WMP-03	CaPA_Sat WMP-03_01	1	CaPA_Sat WMP-03_01	Provide an Excel table of all distribution circuits existing as of January 1, 2023 (see item) including the following information in separate columns: a. Circuit name b. Total circuit miles c. Circuit miles in Non-HTFD areas d. Circuit miles in HTFD areas e. Circuit miles in HTFD Tier 2 f. Circuit miles in HTFD Tier 3 g. Circuit voltage h. Circuit BAFF (System Average Interruption Duration Index) for 2021 i. Circuit SAIFI (System Average Interruption Duration Index) for 2022 j. Circuit SAIDI (System Average Interruption Frequency Index) for 2022 k. Circuit SAIFI (System Average Interruption Frequency Index) for 2023 l. Circuit SAIDI (System Average Interruption Frequency Index) for 2023 m. Circuit BAFF (System Average Interruption Frequency Index) for 2021 n. Circuit SAIFI (System Average Interruption Frequency Index) for 2022 o. Circuit SAIDI (System Average Interruption Frequency Index) for 2022 p. Number of trees that were worked on or EVMA in Non-HTFD in 2022 q. Number of trees that were worked on or EVMA in HTFD Tier 2 in 2021 r. Number of trees that were worked on or EVMA in HTFD Tier 3 in 2021 s. Number of trees that were worked on or EVMA in HTFD Tier 2 in 2022 t. Number of trees that were worked on or EVMA in HTFD Tier 3 in 2022 u. Area of covered conductors installed in Non-HTFD in 2022 v. Area of covered conductors installed in HTFD in 2022	Holly Whitman	2/16/2023	3/16/2023	3/16/2023	https://www.pge.com/legal/global/anonymous/flyer/submit/submit?source=tree	2	N/A	8.1.3	Asset Inspections	Distribution	

32	CaPA	Sat WMP-09	CaPA_Sat WMP-09_01	1	<p>P. 10 of PG&E's WMP states, "We have completed certain programs and removed some less impactful targets from the 2023 WMP."</p> <p>a) Please list the "less impactful" targets that were removed from the 2023 WMP.</p> <p>b) Please explain how PG&E determined that the target was "less impactful."</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	1	Executive Summary & Overview	NA
33	CaPA	Sat WMP-09	CaPA_Sat WMP-09_02	2	<p>P. 101 of PG&E's WMP states, "Increased temperatures can cause electric equipment to lose capacity which increases the need for more frequent asset replacement. Higher temperatures may cause equipment to fail resulting in customer outages."</p> <p>a) What steps has PG&E taken to mitigate the increased risk of asset failure anticipated from temperatures?</p> <p>b) What steps does PG&E plan to take during the 2023-2025 WMP period to mitigate the increased risk of asset failure anticipated from rising temperatures?</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	5.3-4.2	Overview of the Service Territory	Climate Change Phenomena and Trends
34	CaPA	Sat WMP-09	CaPA_Sat WMP-09_03	3	<p>P. 586 of PG&E's WMP states, "Please provide any available studies, analyses or reports to support your statements in response to part (a) (i)."</p> <p>a) How does PG&E determine that AI detection would improve its detection system?</p> <p>b) Please identify the extent to which PG&E anticipates AI detection will improve PG&E's detection system.</p> <p>c) Please provide any available studies, analyses or reports to support your statements in response to part (a) (i).</p> <p>d) As of the beginning of 2023, how much has PG&E spent on the Electric Program Investment Charge 3.45, "Automated Fire Detection from Wildfire Alert Cameras," program?</p> <p>e) How much does PG&E forecast spending on the Electric Program Investment Charge 3.45, "Automated Fire Detection from Wildfire Alert Cameras," program through the end of 2023?</p> <p>f) When is the earliest date that PG&E expects to realize benefits from automated fire detection?</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	1	NA	8.3-4.2	Stratified Assessments and Forecasting	Ignition Detection Systems
35	CaPA	Sat WMP-09	CaPA_Sat WMP-09_04	4	<p>P. 174 of PG&E's WMP states, "The results of the PSPS Consequence Model are then calibrated to PG&E's Enterprise Risk Matrix (ERM) Risk Score for PSPS." For each component in PG&E's ERM, explain how the results of the PSPS Consequence Model are calibrated to the ERM.</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	3	NA	6.2-2.3	Risk Methodology and Assessment	Risk and Risk Components Calculation
36	CaPA	Sat WMP-09	CaPA_Sat WMP-09_05	5	<p>P. 161 of PG&E's WMP discusses Group C, Above-Grade Hardware, in the context of PG&E's WTRM Group C. See the last sentence of PG&E's state, "Group C" consists of components where the primary design intent aligns with that of the hardware. These include the latter cable plate bolts."</p> <p>a) Does the WTRM apply to the same hardware and bolts as all components within a grouping? Please explain your answer.</p> <p>b) Does PG&E's grouping within the WTRM account for any hardware that may be unique to a subset of hardware within the grouping?</p> <p>c) Hanger plates may be subject to wear such as "lapping" that the main structure may experience. How does PG&E account for the wear on hanger plates within the WTRM and the structure?</p> <p>d) What group within the WTRM includes a hanger?</p> <p>e) Please explain your justification for your answer to part (c).</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	6.2-2.1	Risk Methodology and Assessment	Risk and Risk Components Calculation
37	CaPA	Sat WMP-09	CaPA_Sat WMP-09_06	6	<p>P. 152 of PG&E's WMP states, "Topline areas are defined as the areas corresponding to those 100 or 150 in power WORMs of the same risk score." PG&E overhead electrical infrastructure locations and that are in the top 200 percentiles based on WORMs of the same risk score."</p> <p>a) By "top 200 percentiles," does PG&E mean the 200th percentile, the 100th percentile, or the 200th percentile of the highest quality risk scores?</p> <p>b) In the above statement, does "top 200 percentiles" refer to WORMs risk scores which encompasses most of PG&E's service territory or a subset (for example, the top 200th percentile of those WORMs risk scores located within the FTDF)? Please explain your answer.</p> <p>c) How many overhead electrical areas are included in the "top 200 percentiles" as this term is used in PG&E's WMP?</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	6.1-1.2	Risk Methodology and Assessment	Top Risk Areas Within the HRA
38	CaPA	Sat WMP-09	CaPA_Sat WMP-09_07	7	<p>P. 73 of PG&E's WMP states, "We created a specific stress index model for PG&E tree health and mortality."</p> <p>a) When is PG&E's specific stress index model for tree health and mortality?</p> <p>b) Please describe the data used to build the model.</p> <p>c) Please describe the outputs of the model.</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	4.4	Overview of WMP	Risk-Informed Framework
39	CaPA	Sat WMP-09	CaPA_Sat WMP-09_08	8	<p>P. 526 of PG&E's WMP states, "The primary target for secondary patches in FTDF and HRA is encroachment and additional areas are included in appropriate address registration associated areas."</p> <p>a) 201 states, "Beginning in 2023, PG&E will use the annual review of AOC." How is PG&E planning to use the annual review of AOC to identify areas subject to Secondary Patches?</p> <p>b) Is there a difference between "secondary patches" and "Second Patch." In the two passages quoted above? If so, please explain your answer.</p> <p>c) In 2023, PG&E's secondary patch cover the entire FTDF? Please explain your answer.</p> <p>d) In 2023, PG&E's secondary patch cover the entire HRA? Please explain your answer.</p> <p>e) In PG&E planning to cover fewer circuit miles with second patches in 2023 than were covered in 2022? Please explain your answer.</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	8.2-2.2	Vegetation Management and Inspections	Distribution Second Patch
40	CaPA	Sat WMP-09	CaPA_Sat WMP-09_09	9	<p>P. 342 of PG&E's WMP states, "In July 2021, PG&E launched a multi-year program to underground 10,000 150kV circuit miles to high voltage."</p> <p>a) Since the July 2021 announcement of a 10,000-mile undergrounding program, how has PG&E performed any progress to date in terms of the program's goal to underground 10,000 circuit miles of high voltage?</p> <p>b) Please provide any available studies, analyses, reports, or workpapers pertinent to your answer to part (a).</p> <p>c) If the answer to part (b) is no, please explain why.</p> <p>d) Does PG&E plan to perform any studies or analyses during the 2023-2025 WMP period to determine whether 10,000 circuit miles will be the appropriate scope to target for undergrounding?</p> <p>e) If the answer to part (d) is yes, please describe the planning and timing of such studies.</p> <p>f) If the answer to part (d) is no, please explain why.</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	2	NA	8.1-2.2	Grid Design and System Planning	Undergrounding of Electric Lines and/or Equipment - Distribution
41	CaPA	Sat WMP-09	CaPA_Sat WMP-09_10	10	<p>P. 963 of PG&E's WMP states, "On average, it takes 125 US circuit miles to replace 1 OH mile. However, at times, the replacement ratio is three times greater."</p> <p>a) Does PG&E target a total of 10,000 miles of undergrounding, rather than the number of OH circuit miles to be recast underground, or the number of underground equivalents to be installed?</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	Appendix D	Areas for Contingency Improvement	ACI PG&E-22-34 - Review Process of Prioritizing Wildfire Mitigation
42	CaPA	Sat WMP-09	CaPA_Sat WMP-09_11	11	<p>What is PG&E's current forecast cost per circuit mile for undergrounding projects completed in the second half of 2022?</p> <p>a) Please provide workpapers to support your answer to part (a).</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	8.1-2.2	Grid Design and System Planning	Undergrounding of Electric Lines and/or Equipment - Distribution
43	CaPA	Sat WMP-09	CaPA_Sat WMP-09_12	12	<p>PG&E did not increase its RSE for undergrounding completed in the second half of 2022. However, PG&E did increase its RSE for undergrounding completed in the first half of 2023. PG&E did not increase its RSE for undergrounding completed in the second half of 2023. PG&E did not increase its RSE for undergrounding completed in the first half of 2024. PG&E did not increase its RSE for undergrounding completed in the second half of 2024. PG&E did not increase its RSE for undergrounding completed in the first half of 2025. PG&E did not increase its RSE for undergrounding completed in the second half of 2025. PG&E did not increase its RSE for undergrounding completed in the first half of 2026. PG&E did not increase its RSE for undergrounding completed in the second half of 2026. PG&E did not increase its RSE for undergrounding completed in the first half of 2027. PG&E did not increase its RSE for undergrounding completed in the second half of 2027. PG&E did not increase its RSE for undergrounding completed in the first half of 2028. PG&E did not increase its RSE for undergrounding completed in the second half of 2028. PG&E did not increase its RSE for undergrounding completed in the first half of 2029. PG&E did not increase its RSE for undergrounding completed in the second half of 2029. PG&E did not increase its RSE for undergrounding completed in the first half of 2030. PG&E did not increase its RSE for undergrounding completed in the second half of 2030.</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	8.1-2.2	Grid Design and System Planning	Undergrounding of Electric Lines and/or Equipment - Distribution
44	CaPA	Sat WMP-09	CaPA_Sat WMP-09_13	13	<p>What is PG&E's forecast RSE for undergrounding completed in the second half of 2023?</p> <p>a) Please provide workpapers to support your answer to part (a).</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	1	NA	8.1-2.2	Grid Design and System Planning	Undergrounding of Electric Lines and/or Equipment - Distribution

59	CaPA	Sat WMP-10	CaPA_Sat WMP-10	CaPA_Sat WMP-10_Q12	12	0	N/A	6.17.2	Open Work Orders	Open Work Orders - Distribution Tags
60	CaPA	Sat WMP-10	CaPA_Sat WMP-10	CaPA_Sat WMP-10_Q13	13	0	N/A	6.17.2	Open Work Orders	Open Work Orders - Distribution Tags
61	CaPA	Sat WMP-10	CaPA_Sat WMP-10	CaPA_Sat WMP-10_Q14	14	0	N/A	6.17.2	Open Work Orders	Open Work Orders - Distribution Tags
62	CaPA	Sat WMP-10	CaPA_Sat WMP-10	CaPA_Sat WMP-10_Q15	15	0	N/A	6.13	Asset Inspections	NA
4	MGR	Data Request No. 1	MGR	Data Request No. 1_Q1	1	1	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
5	MGR	Data Request No. 1	MGR	Data Request No. 1_Q2	2	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
6	MGR	Data Request No. 1	MGR	Data Request No. 1_Q3	3	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
7	MGR	Data Request No. 1	MGR	Data Request No. 1_Q4	4	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
8	MGR	Data Request No. 1	MGR	Data Request No. 1_Q5	5	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
9	MGR	Data Request No. 1	MGR	Data Request No. 1_Q6	6	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
10	MGR	Data Request No. 1	MGR	Data Request No. 1_Q7	7	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
11	MGR	Data Request No. 1	MGR	Data Request No. 1_Q8	8	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
12	MGR	Data Request No. 1	MGR	Data Request No. 1_Q9	9	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
103	CaPA	Sat WMP-12	CaPA_Sat WMP-12	CaPA_Sat WMP-12_Q1	1	0	N/A	6.12	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
104	CaPA	Sat WMP-12	CaPA_Sat WMP-12	CaPA_Sat WMP-12_Q2	2	0	N/A	6.12	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
105	CaPA	Sat WMP-12	CaPA_Sat WMP-12	CaPA_Sat WMP-12_Q3	3	0	N/A	6.12	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits

Item ID	Category	Sub-Category	Section	Item Title	Description	Assessment	Findings	Recommendations	Priority	Impact	Resolution Status
106	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12_04	4	CAIPA_Sat WMP-12_04	Regarding Table 9.2 (List of Frequently De-energized Circuits) in Appendix F of PG&E's WMP... a) We discovered an error in our 2023 WMP submission in the "Measures Taken or Planned to Be Taken to Reduce the Need for and Impact of Future PG&E's Circuit of the Frequently De-energized Circuits list. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining delays. Please note, we expect to have the label revised by April 18, 2023. b) See response to (a). c) See response to (a). d) See response to (a). e) See response to (a).	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-energized Circuits
107	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12_05	5	CAIPA_Sat WMP-12_05	Regarding Table 9.2 (List of Frequently De-energized Circuits) in Appendix F of PG&E's WMP... a) We discovered an error in our 2023 WMP submission in the "Measures Taken or Planned to Be Taken to Reduce the Need for and Impact of Future PG&E's Circuit of the Frequently De-energized Circuits list. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining delays. Please note, we expect to have the label revised by April 18, 2023. b) See response to (a). c) See response to (a). d) See response to (a). e) See response to (a).	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-energized Circuits
108	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12_06	6	CAIPA_Sat WMP-12_06	Regarding Table 9.2 (List of Frequently De-energized Circuits) in Appendix F of PG&E's WMP... a) We discovered an error in our 2023 WMP submission in the "Measures Taken or Planned to Be Taken to Reduce the Need for and Impact of Future PG&E's Circuit of the Frequently De-energized Circuits list. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining delays. Please note, we expect to have the label revised by April 18, 2023. b) See response to (a). c) See response to (a). d) See response to (a). e) See response to (a).	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-energized Circuits
109	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12_07	7	CAIPA_Sat WMP-12_07	Regarding AC PG&E-23-35 Quarterly Mitigation Benefits of Reducing PG&E's Scope, and Frequency... a) Table PG&E-23-35.1 shows customers mitigated and not contacted in the analysis. We applied the 2022 guidance in the weather toolbox panel of 2018-2019. We did not apply additional mitigation methods as undergrounding and MSO in the two projects we currently plan to complete in the next 3 years. Other mitigation methods such as sectionalizing devices, grid hardening, and PSPS protocols are already factored into the toolbox. b) See response to (a). c) See response to (a).	0	N/A	Appendix D	Areas for Continued Improvement	AC PG&E-23-35 - Quarterly Mitigation Benefits of Reducing PG&E's Scope, and Frequency
110	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12_08	8	CAIPA_Sat WMP-12_08	Regarding Section 9.2.3 (Outline of Tactical and Strategic Decision-Making Protocol for Initiating a PSPS/PSPS...) a) We created a memorandum, such as additional vegetation management and disabling automatic reclosers, could potentially reduce the risk of catastrophic wildfire that having the need for de-energization. These measures alone cannot reduce the risk of catastrophic wildfire in areas where the PSPS scope sufficiently impacted public safety, we will now focus on WSP Programs. b) See response to (a). c) See response to (a). d) See response to (a). e) See response to (a).	0	N/A	9.2.3	Public Safety Power Shutoff	Outline of Tactical and Strategic Decision-Making Protocol for Initiating a PSPS/PSPS (Outline of Decision Tree)
111	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12_09	9	CAIPA_Sat WMP-12_09	Regarding WMP 783, Section 2.4 (Protocol for Mitigating the Public Safety Impacts of PSPS, Including...) a) PG&E provides accessible transportation throughout the California Federation for Independent Living Center (CFIL) which facilitates the Disability Access and Resources (DAR) Program. PG&E's partnership with CFIL includes a Memorandum of Understanding (MOU) stipulating a 24-hour customer support center to provide accessible services and using a PG&E mobile maintenance team to respond to 24-hour customer support requests. We are currently reviewing the number of customers impacted by our PSPS protocols. We are currently reviewing the number of customers impacted by our PSPS protocols. We are currently reviewing the number of customers impacted by our PSPS protocols. b) See response to (a). c) See response to (a). d) See response to (a).	1	N/A	9.2.4	Public Safety Power Shutoff	Protocol for Mitigating the Public Safety Impacts of PSPS, Including the Impact of Customers with Disabilities and Visual Electrical Corporation/Agencies
112	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12_10	10	CAIPA_Sat WMP-12_10	Regarding PSPS and its relationship with EFSS settings... a) There was no response to our 2022 request for information regarding PSPS conditions but not EFSS settings. b) There were no updates to our 2022 request for information regarding PSPS conditions but not EFSS settings. c) There were no updates to our 2022 request for information regarding PSPS conditions but not EFSS settings. d) There were no updates to our 2022 request for information regarding PSPS conditions but not EFSS settings. e) There were no updates to our 2022 request for information regarding PSPS conditions but not EFSS settings.	0	N/A	N/A	Public Safety Power Shutoff & Grid Operations and Procedures	N/A
113	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12_11	11	CAIPA_Sat WMP-12_11	Regarding communications to customers in EFSS... a) We provide communications to customers in EFSS. b) We provide communications to customers in EFSS. c) We provide communications to customers in EFSS. d) We provide communications to customers in EFSS. e) We provide communications to customers in EFSS.	1	N/A	8.1.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
114	CAIPA	Sat WMP-13	CAIPA_Sat WMP-13_01	1	CAIPA_Sat WMP-13_01	Regarding PG&E-71.4.2 (e.g., 250 of PG&E's WMP when Down Conductor Detection (DCD) is implemented...) a) PG&E is implementing DCD on a wide distribution system. b) PG&E is implementing DCD on a wide distribution system. c) PG&E is implementing DCD on a wide distribution system. d) PG&E is implementing DCD on a wide distribution system. e) PG&E is implementing DCD on a wide distribution system.	0	N/A	8.1.2.10.1	Grid Design and System Hardware	Downed Conductor Detection Device
115	CAIPA	Sat WMP-13	CAIPA_Sat WMP-13_02	2	CAIPA_Sat WMP-13_02	Regarding communications to customers in EFSS... a) We provide communications to customers in EFSS. b) We provide communications to customers in EFSS. c) We provide communications to customers in EFSS. d) We provide communications to customers in EFSS. e) We provide communications to customers in EFSS.	0	N/A	8.3.3.1	Stratified Assessment and Forecasting	Existing Systems, Technologies, and Procedures
116	CAIPA	Sat WMP-13	CAIPA_Sat WMP-13_03	3	CAIPA_Sat WMP-13_03	Regarding communications to customers in EFSS... a) We provide communications to customers in EFSS. b) We provide communications to customers in EFSS. c) We provide communications to customers in EFSS. d) We provide communications to customers in EFSS. e) We provide communications to customers in EFSS.	0	N/A	8.2.6	Vegetation Management and Inspections	Open Work Order
117	CAIPA	Sat WMP-13	CAIPA_Sat WMP-13_04	4	CAIPA_Sat WMP-13_04	Regarding communications to customers in EFSS... a) We provide communications to customers in EFSS. b) We provide communications to customers in EFSS. c) We provide communications to customers in EFSS. d) We provide communications to customers in EFSS. e) We provide communications to customers in EFSS.	0	N/A	8.2.6	Vegetation Management and Inspections	Open Work Order

186	CAPA	Sat WMP-15	CaPA_Sat WMP-15	17	CaPA_Sat WMP-15_017	<p>FGSE takes in the response to Question 17 of California PGE-2023WMP-08 that "For Routine and Seasonal PGEs does not currently have standards specific to high-risk species", but that species lists will be incorporated into Focused Tree Inspections plans in 2023. FGSE takes in the response to question 17(b) that "Development of any standards related to high-risk species is still being determined and contingent upon completion of FTI pilots in 2023. A determination will be made specific to that program as its guidance is formalized following the pilots."</p> <p>Why does FGSE not have standards specific to high-risk species for routine and seasonal patrol?</p> <p>Why does FGSE only plan to develop standards related to high-risk species for Areas of Concern, rather than throughout its service territory?</p> <p>What methods is FGSE considering the standards for high-risk species?</p> <p>What methods is FGSE using to establish the standards for high-risk species?</p> <p>Is any species being used as a model?</p> <p>Is FGSE conducting independent third party review, peer review, or some other method to provide additional assurance of that proposed standard?</p> <p>Why did FGSE not review comments related to high-risk species developed for the Areas of Concern for use throughout its service territory?</p> <p>What plans does FGSE have to review comments related to high-risk species developed for the Areas of Concern for use throughout its service territory?</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	0	N/A	8.23.6	Vegetation Management and Inspections	High Risk Species
187	CAPA	Sat WMP-15	CaPA_Sat WMP-15	18	CaPA_Sat WMP-15_018	<p>FGSE takes in the response to Question 17 of California PGE-2023WMP-08 that "The Quality Management team has begun an initial target areas with 80% for Final Quality Control Active Observation Programs for the following core vegetation management programs: Routine Distribution, Second Patrol Distribution, Vegetation Control, and Routine Transmission."</p> <p>Please state the basis, provide the method, and supporting documentation for the aforementioned 80% target areas.</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	2	N/A	8.23.6	Vegetation Management and Inspections	High Risk Species
188	CAPA	Sat WMP-15	CaPA_Sat WMP-15	19	CaPA_Sat WMP-15_019	<p>In its response to Question 5 of California PGE-2023WMP-08, FGSE provided the following table of actual and forecasted costs for vegetation management programs. FGSE further states that "The EVM Transitional programs for VM are Focused Tree Inspections, VM for Operational Mitigation, and Tree Removal Inventory."</p> <p>Why does the table include the actual and forecast costs for each EVM Transitional Program, including Focused Tree Inspections, VM for Operational Mitigation, and Tree Removal Inventory?</p> <p>What is the reason for the increase in the forecast costs for each EVM Transitional Program?</p> <p>What is the reason for the decrease in the forecast costs for each EVM Transitional Program?</p> <p>What is the reason for the increase in the forecast costs for each EVM Transitional Program?</p> <p>What is the reason for the decrease in the forecast costs for each EVM Transitional Program?</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	0	N/A	8.23.2	Vegetation Management and Inspections	Quality Control
189	CAPA	Sat WMP-15	CaPA_Sat WMP-15	20	CaPA_Sat WMP-15_020	<p>In its response to Question 10 of California PGE-2023WMP-08, FGSE stated, "We do not have a written tracking plan for individual trees for individual trees and we are unable to provide the data at this time."</p> <p>Why does FGSE not have a written tracking plan for individual trees for individual trees?</p> <p>Why does FGSE not have a written tracking plan for individual trees for individual trees?</p> <p>Why does FGSE not have a written tracking plan for individual trees for individual trees?</p> <p>Why does FGSE not have a written tracking plan for individual trees for individual trees?</p> <p>Why does FGSE not have a written tracking plan for individual trees for individual trees?</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	0	N/A	8.23.4	Vegetation Management and Inspections	Fuels Mitigation
170	TURN	004	TURN_004	1	TURN_004_01	<p>Following up on the response to TURN-004-Request 1, Question 3, please provide FGSE's data about the "recorded reliability improvements at locations that have been undergrounded and/or have been hardened with covered conductors" that will be assessed in the study planned for completion in June 30, 2023.</p> <p>Please state the information included with the response to ensure confidentiality of information.</p> <p>What is the information included with the response to ensure confidentiality of information?</p> <p>What is the information included with the response to ensure confidentiality of information?</p> <p>What is the information included with the response to ensure confidentiality of information?</p> <p>What is the information included with the response to ensure confidentiality of information?</p>	Tom Long	4/12/2023	4/17/2023	4/17/2023	1	Yes	8.12.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
171	TURN	004	TURN_004	2	TURN_004_02	<p>Regarding Table PGE-23-25-3: PPS Events Lookback Analysis on page 472 of PGE-2023-2023 WMP, after each column with numbers, provide a verbal description of an input data set and how the numbers in each column were calculated.</p> <p>Please provide the table in Excel format.</p> <p>What is the information included with the response to ensure confidentiality of information?</p> <p>What is the information included with the response to ensure confidentiality of information?</p> <p>What is the information included with the response to ensure confidentiality of information?</p> <p>What is the information included with the response to ensure confidentiality of information?</p>	Tom Long	4/12/2023	4/17/2023	4/17/2023	1	N/A	Appendix D	Areas for Continued Improvement	ACI PGE-23-25 Quantify Mitigation Benefits of Reducing PPS's Scale, Scope, and Frequency
172	TURN	004	TURN_004	3	TURN_004_03	<p>Regarding PGE's response to ACI PGE-22-26, beginning on page 571 of its WMP:</p> <p>How does each mitigation discussed in PGE's current WMP or its 2023 WMP that has the potential to mitigate the scale, scope, frequency, or duration of PPS events?</p> <p>How does each mitigation discussed in PGE's current WMP or its 2023 WMP that has the potential to mitigate the scale, scope, frequency, or duration of PPS events?</p> <p>How does each mitigation discussed in PGE's current WMP or its 2023 WMP that has the potential to mitigate the scale, scope, frequency, or duration of PPS events?</p> <p>How does each mitigation discussed in PGE's current WMP or its 2023 WMP that has the potential to mitigate the scale, scope, frequency, or duration of PPS events?</p> <p>How does each mitigation discussed in PGE's current WMP or its 2023 WMP that has the potential to mitigate the scale, scope, frequency, or duration of PPS events?</p>	Tom Long	4/12/2023	4/17/2023	4/17/2023	0	N/A	Appendix D	Areas for Continued Improvement	ACI PGE-22-26 Quantify Mitigation Benefits of Reducing PPS's Scale, Scope, and Frequency
174	CAPA	Sat WMP-14	CaPA_Sat WMP-14	1	CaPA_Sat WMP-14_01	<p>P. 347 of PGE's WMP states (regarding PGE's undergrounding program), "Among other benefits, the reduced peak will decrease the total number of PPS events in the initial years of the program."</p> <p>Please list the "other benefits" referenced in the quote above.</p> <p>What is the information included with the response to ensure confidentiality of information?</p> <p>What is the information included with the response to ensure confidentiality of information?</p> <p>What is the information included with the response to ensure confidentiality of information?</p> <p>What is the information included with the response to ensure confidentiality of information?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
175	CAPA	Sat WMP-14	CaPA_Sat WMP-14	2	CaPA_Sat WMP-14_02	<p>P. 347 of PGE's WMP states (regarding PGE's undergrounding program), "Among other benefits, the reduced peak will decrease the total number of PPS events in the initial years of the program."</p> <p>Please list the "other benefits" referenced in the quote above.</p> <p>What is the information included with the response to ensure confidentiality of information?</p> <p>What is the information included with the response to ensure confidentiality of information?</p> <p>What is the information included with the response to ensure confidentiality of information?</p> <p>What is the information included with the response to ensure confidentiality of information?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.6.1	Grid Design and System Hardening	Distribution, Transmission, and Substation Fire Action Schemes and Technology
176	CAPA	Sat WMP-14	CaPA_Sat WMP-14	3	CaPA_Sat WMP-14_03	<p>P. 355 of PGE's WMP discusses Breakaway Connectors, and states, "The breakaway disconnect uses a weak link to provide a predictable point of separation and the service will then fall to the ground, de-energized."</p> <p>What is the maximum wind speed that Breakaway Connectors can handle without separation?</p> <p>How does PGE ensure that the weak link does not fail under normal conditions or due to damage to a downstream conductor, but instead causes a Breakaway Connector to separate?</p> <p>What is the maximum wind speed that Breakaway Connectors can handle without separation?</p> <p>How does PGE ensure that the weak link does not fail under normal conditions or due to damage to a downstream conductor, but instead causes a Breakaway Connector to separate?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.6.2	Grid Design and System Hardening	Breakaway Connector
177	CAPA	Sat WMP-14	CaPA_Sat WMP-14	4	CaPA_Sat WMP-14_04	<p>P. 355 of PGE's WMP states, "Breakaway disconnect does not impact PPS risk." Please state the basis for the above quote.</p> <p>Breakaway disconnects are used to prevent energized wires down to minimize injury. At this point in time, the presence of breakaway disconnects is not included in PGE's ongoing research. Therefore, breakaway disconnects do not impact the PPS risk.</p> <p>What is the information included with the response to ensure confidentiality of information?</p> <p>What is the information included with the response to ensure confidentiality of information?</p> <p>What is the information included with the response to ensure confidentiality of information?</p> <p>What is the information included with the response to ensure confidentiality of information?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.6.2	Grid Design and System Hardening	Breakaway Connector

128	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	5	CAIPA_Sat WMP-14_05	<p>Temporary Distribution Monrogs available to operate in 2020</p> <p>Number of 2020 PSPS events supported</p> <p>Approx. qty of service po's energized per 2020 PSPS event</p> <p>Shinglerway 79</p> <p>Calagata 1156</p> <p>Powerline Temporary configuration without a pre-installed interconnection hub</p> <p>2021</p> <p>Chavasta North (temporary configuration without a pre-installed interconnection hub)</p> <p>2021</p> <p>Chavasta South (temporary configuration without a pre-installed interconnection hub)</p> <p>2021</p> <p>Temporary Distribution Monrogs available to operate in 2021</p> <p>Number of 2021 PSPS events supported</p> <p>Approx. qty of service po's energized per 2021 PSPS event</p> <p>Shinglerway 79</p> <p>Calagata 1156</p> <p>Powerline 1.01</p> <p>Georgetown via</p> <p>Palms Three 1.96</p> <p>Fernside 0.96</p> <p>McKendrick 0.96</p> <p>2022</p> <p>Temporary Distribution Monrogs available to operate in 2022</p> <p>Number of 2022 PSPS events supported</p> <p>Approx. qty of service po's energized per 2022 PSPS event</p> <p>Shinglerway 79</p> <p>Calagata 1156</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.7.2	Grid Design and System Hardening	Temporary Distribution Monrogs
129	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	6	CAIPA_Sat WMP-14_06	<p>P. 365 of PG&E's WMP states, "The Reduced Coast Airport Microgrid (RCAM) was built through a California Energy Commission (CEC) grant to the National Energy Center and Sun from United States of America to the Redwood Coast Energy Authority (Community Choice Aggregator), in collaboration with PG&E, EPC 3.11, Multi-Use Microgrid, project."</p> <p>1) What was the total cost of the RCAM project?</p> <p>2) Please provide a breakdown of the RCAM project.</p> <p>3) Please provide a breakdown of the RCAM project.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.7.3	Grid Design and System Hardening	Community Microgrid Enablement Program and Microgrid Incentive Program
130	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	7	CAIPA_Sat WMP-14_07	<p>P. 365 of PG&E's WMP states, "The successful deployment of RCAM provides a model for other communities to follow in the development of multi-tenant microgrid energy resilience."</p> <p>1) How does PG&E determine the success of the RCAM?</p> <p>2) Please provide data to support the success of the RCAM.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	4	N/A	8.12.7.3	Grid Design and System Hardening	Community Microgrid Enablement Program and Microgrid Incentive Program
131	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	8	CAIPA_Sat WMP-14_08	<p>P. 366 of PG&E's WMP states, "For 2023, we have planned to install devices that will provide significant reliability benefits on the line that is the focus of EPSS."</p> <p>1) Please quantify the "significant reliability benefit" that will be provided from devices installed in 2023.</p> <p>2) Please provide any available resources or studies to support your response to item 1).</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.8.1	Grid Design and System Hardening	Installation of System Automation Equipment - Distribution Protective Devices
132	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	9	CAIPA_Sat WMP-14_09	<p>P. 385 of PG&E's WMP states that it will perform a "Substation Animal Abatement Effectiveness Study" in 2023.</p> <p>1) When does PG&E expect to begin the Substation Animal Abatement Effectiveness Study?</p> <p>2) When does PG&E expect to complete the Substation Animal Abatement Effectiveness Study?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.12.2	Grid Design and System Hardening	Other Technologies and Systems - Substation Animal Abatement
133	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	10	CAIPA_Sat WMP-14_10	<p>P. 391 of PG&E's WMP states, "To 2022 PG&E implemented various measures to TD-2326, which incorporated reliability best practices as well as adjusted the risk injection criteria." Please list the adjustments that PG&E made to the WMP criteria.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.15	Asset Inspections	Invasive Pole Inspection
134	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	11	CAIPA_Sat WMP-14_11	<p>P. 402 of PG&E's WMP states, "PG&E assigned field staff to assess, examine, high, medium, or low based on the average wildfire consequence of the structures within that grid map."</p> <p>1) In the description described above based on the wildfire consequence scores from the WORM of the WORM 4?</p> <p>2) How frequently does PG&E plan to be updated the grid map designations described above?</p> <p>3) When PG&E re-evaluates the grid map designations, what steps will PG&E take to re-evaluate a grid map that has designations assigned to it?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.13.2.1	Asset Inspections	Detailed Ground Inspection
135	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	12	CAIPA_Sat WMP-14_12	<p>Table PG&E 8.1.7.4 on page 454 of PG&E's WMP states that PG&E added 41,869 distribution work orders to its WMP backlog in 2022.</p> <p>1) What measures has PG&E implemented to ensure that it will be able to resolve its backlog in 2023?</p> <p>2) What measures has PG&E implemented to ensure that it will be able to resolve its backlog in 2023?</p> <p>3) What measures has PG&E implemented to ensure that it will be able to resolve its backlog in 2023?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.7.2	Open Work Orders	Open Work Orders - Distribution Tags
136	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	13	CAIPA_Sat WMP-14_13	<p>P. 462 of PG&E's WMP states, "EPSS does not cause a power outage. Given that EPSS settings can be configured to allow a WMP to operate, and without an outage, please explain what will prevent the above point."</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.18.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
137	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	14	CAIPA_Sat WMP-14_14	<p>Per PG&E's January 2023 EPSS monthly report, PG&E experienced 2,975 EPSS outages in 2022.</p> <p>1) Of the EPSS-impacted outages in 2022, how many of those outages did PG&E find that corrective actions were not taken to prevent the outage? If there are no corrective actions, what measures did PG&E take to prevent the location of the outage?</p> <p>2) Of the EPSS-impacted outages in 2022, how many of those outages were triggered by events that did not occur on the grid map?</p> <p>3) If the answer to part 1) is yes, please state the reason for the decision.</p> <p>4) If the answer to part 2) is yes, please state the reason for the decision.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.18.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
138	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	15	CAIPA_Sat WMP-14_15	<p>P. 462 of PG&E's WMP states, "To 2022, we expanded the scope of EPSS to all HPA and in some territories are select selected EPSS buffer areas."</p> <p>1) In 2022, did PG&E expand the scope of EPSS to all HPA and all EPSS?</p> <p>2) In 2022, did PG&E expand the scope of EPSS to all HPA and all EPSS?</p> <p>3) In 2022, did PG&E expand the scope of EPSS to all HPA and all EPSS?</p> <p>4) In 2022, did PG&E expand the scope of EPSS to all HPA and all EPSS?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.18.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
139	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	16	CAIPA_Sat WMP-14_16	<p>CAIPAs understanding is that a critical segment that has been underground may still have underground EPSS outages if equipment operation or abandonment of the underground segment are subject to EPSS.</p> <p>1) In the above understanding correct? If yes, please correct that has been underground.</p> <p>2) In the above understanding correct? If no, please correct that has been underground.</p> <p>3) In the above understanding correct? If no, please correct that has been underground.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	9.15	Public Safety Power Shutoff	Performance Metrics Identified by the Electrical Corporation
140	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	17	CAIPA_Sat WMP-14_17	<p>Has PG&E performed a study or back cast to predict the likelihood that an underground segment will be subject to EPSS due to equipment operation or abandonment of the underground segment?</p> <p>1) If the answer to part 1) is yes, please explain what the study or back cast consisted of.</p> <p>2) If the answer to part 1) is no, please explain why.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	9.15	Public Safety Power Shutoff	Performance Metrics Identified by the Electrical Corporation
141	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	18	CAIPA_Sat WMP-14_18	<p>Has PG&E performed a study or back cast to predict the likelihood that an underground segment will be subject to EPSS due to equipment operation or abandonment of the underground segment?</p> <p>1) If the answer to part 1) is yes, please explain what the study or back cast consisted of.</p> <p>2) If the answer to part 1) is no, please explain why.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.18.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
143	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	20	CAIPA_Sat WMP-14_20	<p>During the period from 2020-2022, did PG&E replace any distribution conductor as part of its WMP activities for which PG&E had not fully recovered the original cost of the work?</p> <p>1) If the answer to part 1) is yes, what was PG&E's practice regarding cost recovery on the unrecovered portion of the work associated with the replaced conductor?</p> <p>2) If the answer to part 1) is no, please explain why.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
144	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	21	CAIPA_Sat WMP-14_21	<p>During the period from 2020-2022, did PG&E replace any distribution conductor as part of its WMP activities for which PG&E had not fully recovered the original cost of the conductor? If yes, please include information on the work associated with the replaced conductor.</p> <p>1) If the answer to part 1) is yes, what was PG&E's practice regarding cost recovery on the unrecovered portion of the work associated with the replaced conductor?</p> <p>2) If the answer to part 1) is no, please explain why.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.5.2	Grid Design and System Hardening	Traditional Overhead Hardening - Distribution
145	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	22	CAIPA_Sat WMP-14_22	<p>During the period from 2020-2022, did PG&E replace any distribution conductor as part of its WMP activities for which PG&E had not fully recovered the original cost of the transformer?</p> <p>1) If the answer to part 1) is yes, what was PG&E's practice regarding cost recovery on the unrecovered portion of the work associated with the replaced transformer?</p> <p>2) If the answer to part 1) is no, please explain why.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.14.11	Equipment Maintenance and Repair	Transformers
146	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	23	CAIPA_Sat WMP-14_23	<p>In 2022, how many gridlines did PG&E operate related to overhead covered conductor distribution lines?</p> <p>2) In 2022, how many gridlines did PG&E operate related to overhead bare conductor distribution lines?</p> <p>3) In 2022, how many gridlines did PG&E operate related to overhead bare conductor distribution lines?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E 02-08 - Addressing Increases in EPSS Events

250	CaPA	Set WMP-18	CaPA_Set WMP-18	5	CaPA_Set WMP-18_05	<p>Final Number of Undergirding Miles to be Completed</p> <p>Planned reduction in Number of Routine VM Miles</p> <p>Amount of Routine VM Cost Savings from Undergirding (BS\$)</p> <p>2023 350 Miles Planned for</p> <p>2024 500 Miles Planned for</p> <p>2025 500 Miles Planned for</p> <p>See response above for 2023. See response above for 2024.</p> <p>2026 500 Miles Planned for</p> <p>2027 500 Miles Planned for</p> <p>See response above for 2023. See response above for 2024.</p> <p>4) POSE anticipates reducing costs on VM Transferral, Routine, Tree Mobility, and VC (pole climbing programs)</p> <p>5) The new EVM transitional programs are Vegetation Management for Operator Mitigation (VMOM), Tree Removal Inventory (TRI), and Focused Tree Inspections (FTI).</p> <p>6) To maximize reduction of wildfire risk effectively and efficiently, the EVM program conducted in 2022 the transitional programs will be incorporated into the 2023 wildfire program. We anticipate a significant reduction in VM spend due to the. As POSE continues the effort to underground distribution lines, we anticipate a reduction in costs related to tree work, we are evaluating additional operational mitigations, including partial voltage detection, downed conductor detection, and breakerway connector, each of which anticipate further reduce the risk of catastrophic wildfires.</p>	Holly Whitman	4/24/2023	4/27/2023	4/27/2023	0	NA	8.2.5.2	Vegetation Management and Inspections	Quality Control
251	CaPA	Set WMP-18	CaPA_Set WMP-18	6	CaPA_Set WMP-18_06	<p>In response to question 150(9)(i) of California-POSE-2023WMP-18, POSE states:</p> <p>The difference in projected vegetation management cost (\$24,881,000 between 2023 and 2024 is due to several factors: (i) the new POSE will activate the inclusion; (1) Transferring from OVM to these new programs; (2) reducing the amount of Routine VM work conducted each year commensurate with the amount of undergrounding miles completed; and (3) reducing unit costs through efficiencies over the table cover period through targeted programmatic adjustments that refine processes and improve resource efficiency.</p> <p>In this document, we provide information on the amount of Routine VM work conducted each year commensurate with the amount of undergrounding miles completed. In this document, we provide information on the amount of Routine VM work conducted each year commensurate with the amount of undergrounding miles completed.</p> <p>1) For each individual program identified in your response to the previous part, please state the following: Program/Initiative name</p> <p>2) What efficiencies does POSE anticipate realizing?</p> <p>3. Describe the "targeted programmatic adjustments" that POSE is considering or planning to make.</p> <p>4. State the unit costs that POSE anticipates achieving in 2024 (on average for the year).</p> <p>5. State the unit costs that POSE anticipates achieving in 2025 (on average for the year).</p>	Holly Whitman	4/24/2023	4/27/2023	4/27/2023	0	NA	8.2.5.2	Vegetation Management and Inspections	Quality Control
252	CaPA	Set WMP-18	CaPA_Set WMP-18	7	CaPA_Set WMP-18_07	<p>WMP Initiative Number</p> <p>2022</p> <p>2023</p> <p>2024</p> <p>2025</p> <p>2026</p> <p>2027</p> <p>Operating Expense (Forecast)</p> <p>2022 Operating Expense (Actual)</p> <p>2023 Operating Expense (Forecast)</p> <p>2024 Operating Expense (Forecast)</p> <p>2025 Operating Expense (Forecast)</p> <p>2026 Operating Expense (Forecast)</p> <p>2027 Operating Expense (Forecast)</p>	Holly Whitman	4/24/2023	4/27/2023	4/27/2023	0	NA	8.2	Vegetation Management and Inspections	NA
253	TURN	008	TURN_008	1	TURN_008_01	<p>POSE provides the following information regarding actual and projected costs for each WMP initiative under Chapter 8.2 (Vegetation Management and Inspections). Each initiative should be a row in the table below:</p> <p>WMP Initiative Name</p> <p>2022</p> <p>2023</p> <p>2024</p> <p>2025</p> <p>2026</p> <p>2027</p> <p>Operating Expense (Forecast)</p> <p>2022 Operating Expense (Actual)</p> <p>2023 Operating Expense (Forecast)</p> <p>2024 Operating Expense (Forecast)</p> <p>2025 Operating Expense (Forecast)</p> <p>2026 Operating Expense (Forecast)</p> <p>2027 Operating Expense (Forecast)</p>	Tom Long	4/24/2023	4/27/2023	4/27/2023	2	NA	7.2	Wildfire Mitigation Strategy Development	Risk Impact of Mitigation Initiatives
254	TURN	008	TURN_008	2	TURN_008_02	<p>POSE provides POSE's most recent calculation of RSE for Undergirding by year from 2023-2025, at the most granular level for which POSE has completed them. For the question, "undergirding" refers to all programs that underground distribution lines for wildfire mitigation purposes and the related programs. Please provide the responses with the supporting trips and calculations for these RSE in Excel format.</p>	Tom Long	4/24/2023	4/27/2023	4/27/2023	0	NA	7.2.2	Wildfire Mitigation Strategy Development	Risk Impact of Mitigation Initiatives
255	TURN	008	TURN_008	3	TURN_008_03	<p>Regarding the Undergirding Decision Tree provided in response to Data Request 5.1 - A1b - 1, is there an error in the alternative response to the question of the far right: "Will a scale or project scope change mitigate implementation?" It appears that the "Yes" and "No" alternatives should be flipped. If there is an error, please provide corrected Decision Tree.</p>	Tom Long	4/24/2023	4/27/2023	4/27/2023	0	NA	8.1.2	Grid Design and System Hardening	ALL
256	TURN	008	TURN_008	4	TURN_008_04	<p>The first paragraph of the response to TURN DS.4 states that, historically, POSE has observed more frequent ignitions and wildfire incidents associated with the overhead primary distribution powerlines, compared to low voltage secondary distribution lines, service connections and high voltage transmission lines. POSE provides the following information regarding actual and projected costs for each WMP initiative under Chapter 8.2 (Vegetation Management and Inspections). Each initiative should be a row in the table below:</p> <p>WMP Initiative Name</p> <p>2022</p> <p>2023</p> <p>2024</p> <p>2025</p> <p>2026</p> <p>2027</p> <p>Operating Expense (Forecast)</p> <p>2022 Operating Expense (Actual)</p> <p>2023 Operating Expense (Forecast)</p> <p>2024 Operating Expense (Forecast)</p> <p>2025 Operating Expense (Forecast)</p> <p>2026 Operating Expense (Forecast)</p> <p>2027 Operating Expense (Forecast)</p>	Tom Long	4/24/2023	4/27/2023	4/27/2023	1	NA	8.1.2	Grid Design and System Hardening	Undergirding of Electric Lines and/or Equipment - Distribution
257	TURN	008	TURN_008	5	TURN_008_05	<p>In response to TURN DS.4, after stating that POSE is not undergrounding service drops and is not undergrounding secondary lines in most cases, POSE states in the last paragraph, "We will overhead remaining secondary and service lines by replacing overhead secondary, gray services, and low-voltage with the current standard covered metal conductor." (emphasis added)</p> <p>1. What is meant by the word "remaining" in this quote?</p> <p>2. Does this mean that, in a project POSE describes as an undergrounding project, some of the "undergirding" work typically consists of overhead hardening of secondary and service lines? Please explain your answer.</p> <p>3. Please explain the conditions under which an undergrounding project would include overhead hardening of secondary and service lines and when an undergrounding project would include overhead hardening of secondary and service lines.</p> <p>4. Do POSE's unit cost calculations for "undergirding" include the costs of overhead hardening of secondary and service lines that may be included in "undergirding" projects? Please explain your response.</p> <p>5. Do POSE's RSE calculations for "undergirding" include miles, costs, and risk reduction benefits from overhead hardening of secondary and service lines that may be included in "undergirding" projects? Please explain your response.</p>	Tom Long	4/24/2023	4/27/2023	4/27/2023	0	NA	8.1.2	Grid Design and System Hardening	Undergirding of Electric Lines and/or Equipment - Distribution
258	TURN	008	TURN_008	6	TURN_008_06	<p>POSE's WMP (R) p. 252 states that, "SCG has determined that when covered conductors have a 50% of PPSG activities. There is a shift in fully installed annual aggregate" as covered conductors, the de-energization threshold is increased to 4058 high (independent assessment) that addresses whether lines with covered conductor have experienced reductions in PPSG activities.</p> <p>1. How does POSE's unit cost calculations for "undergirding" include the costs of overhead hardening of secondary and service lines that may be included in "undergirding" projects? Please explain your response.</p> <p>2. Do POSE's RSE calculations for "undergirding" include miles, costs, and risk reduction benefits from overhead hardening of secondary and service lines that may be included in "undergirding" projects? Please explain your response.</p>	Tom Long	4/24/2023	4/27/2023	4/27/2023	0	NA	8.1.2 & 8.9	Grid Design and System Hardening & PPSG	Covered Conductors and PPSG
221	OEB	003	OEB_003	7	OEB_003_07	<p>Regarding Focused Tree Inspections</p> <p>1. During the decision process to determine what the TAT Assessment Team (TAT) and adopt the USA Best Tree Risk Assessment Form (USA Form), did POSE consider recommendations from the USA Form in the TAT?</p> <p>2. Is POSE collecting a digital record of each tree form (performed by inspectors, in OnVivo or another system)?</p> <p>3. How does POSE use the information from each tree form to help inform its wildfire risk reduction programs?</p> <p>4. Did POSE conduct an analysis or study that compared the outcomes of the TAT and the USA's checklist to the TAT? If so, provide the analysis or study?</p> <p>5. Has POSE leveraged the data from the latest version of the TAT and the associated risk assessment procedures and its new tree risk assessment procedures using the USA's checklist with other data, including but not limited to SCE and the Tree Risk Calculator? If so, provide a summary of the findings and conclusions.</p> <p>6. Provide the logs and any documentation of methodologies, data sources, and data sources for the most recent version of the TAT. Include a list of the factors considered in TAT scoring methodology.</p> <p>7. How does POSE use the information from each tree form to help inform its wildfire risk reduction programs?</p> <p>8. Is the tree leaning severely (>25 degrees)?</p> <p>9. No</p> <p>10. Toward Facilities-ABATE</p> <p>11. Away from Facilities-NOT ABATE</p> <p>12. Toward Facilities</p> <p>13. Toward Health</p> <p>14. Toward Facilities</p> <p>15. Toward Health</p> <p>16. Toward Facilities</p> <p>17. Toward Health</p> <p>18. Toward Facilities</p> <p>19. Toward Health</p> <p>20. Toward Facilities</p> <p>21. Toward Health</p> <p>22. Toward Facilities</p> <p>23. Toward Health</p> <p>24. Toward Facilities</p> <p>25. Toward Health</p> <p>26. Toward Facilities</p> <p>27. Toward Health</p> <p>28. Toward Facilities</p> <p>29. Toward Health</p> <p>30. Toward Facilities</p> <p>31. Toward Health</p> <p>32. Toward Facilities</p> <p>33. Toward Health</p> <p>34. Toward Facilities</p> <p>35. Toward Health</p> <p>36. Toward Facilities</p> <p>37. Toward Health</p> <p>38. Toward Facilities</p> <p>39. Toward Health</p> <p>40. Toward Facilities</p> <p>41. Toward Health</p> <p>42. Toward Facilities</p> <p>43. Toward Health</p> <p>44. Toward Facilities</p> <p>45. Toward Health</p> <p>46. Toward Facilities</p> <p>47. Toward Health</p> <p>48. Toward Facilities</p> <p>49. Toward Health</p> <p>50. Toward Facilities</p> <p>51. Toward Health</p> <p>52. Toward Facilities</p> <p>53. Toward Health</p> <p>54. Toward Facilities</p> <p>55. Toward Health</p> <p>56. Toward Facilities</p> <p>57. Toward Health</p> <p>58. Toward Facilities</p> <p>59. Toward Health</p> <p>60. Toward Facilities</p> <p>61. Toward Health</p> <p>62. Toward Facilities</p> <p>63. Toward Health</p> <p>64. Toward Facilities</p> <p>65. Toward Health</p> <p>66. Toward Facilities</p> <p>67. Toward Health</p> <p>68. Toward Facilities</p> <p>69. Toward Health</p> <p>70. Toward Facilities</p> <p>71. Toward Health</p> <p>72. Toward Facilities</p> <p>73. Toward Health</p> <p>74. Toward Facilities</p> <p>75. Toward Health</p> <p>76. Toward Facilities</p> <p>77. Toward Health</p> <p>78. Toward Facilities</p> <p>79. Toward Health</p> <p>80. Toward Facilities</p> <p>81. Toward Health</p> <p>82. Toward Facilities</p> <p>83. Toward Health</p> <p>84. Toward Facilities</p> <p>85. Toward Health</p> <p>86. Toward Facilities</p> <p>87. Toward Health</p> <p>88. Toward Facilities</p> <p>89. Toward Health</p> <p>90. Toward Facilities</p> <p>91. Toward Health</p> <p>92. Toward Facilities</p> <p>93. Toward Health</p> <p>94. Toward Facilities</p> <p>95. Toward Health</p> <p>96. Toward Facilities</p> <p>97. Toward Health</p> <p>98. Toward Facilities</p> <p>99. Toward Health</p> <p>100. Toward Facilities</p>	Colin Lang	4/1/2023	4/27/2023	4/27/2023	1	NA	8.2	Vegetation Management and Inspections	NA

ID	Category	Sub-Category	Document ID	Section	Table ID	Comments	Author	Date	Status	Notes	Reference	Other					
269	CA/PA	Sat W/MP-19	CA/PA_Sat W/MP-19	11	CA/PA_Sat W/MP-19_011	Page 698-699 of PG&E's VMF document PG&E's simplified wildfire risk assessment (SWMRSE) used to prioritize fire underdevelopment projects... a) No, there is no threshold in SWMRSE that we use to determine that covered conductor is a more suitable mitigation than undergrounding... b) No, there is no current threshold in SWMRSE that we use to determine that undergrounding is not a suitable mitigation... c) SWMRSE is one of the risk steps in identifying risks for undergrounding... d) There are PG&E undergrounding projects that are not included in SWMRSE...	Holly Whitman	4/25/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/homeoffice/pdfs/.../PG&E%20Simplified%20Wildfire%20Risk%20Assessment%20-%204.14.2023.pdf	0	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 - Review Process of Prioritizing Wildfire Mitigation	
270	CA/PA	Sat W/MP-19	CA/PA_Sat W/MP-19	12	CA/PA_Sat W/MP-19_012	Attachment 1 to PG&E's response to a public request for information (RFI) states that on November 18, 2019... a) What was the lead for the above stated assessment two months after the initial finding? b) Describe any actions that PG&E took between November 18, 2019 and January 14, 2020 to address the safety of the critical asset... c) Why were the line treated with a one-year deadline based on the tag location date, rather than a deadline based on the date of the initial finding? d) Under PG&E's current procedures and practices, in the compliance schedule for a new based on the tag location date or the date of the initial finding? Please explain your answer... e) Was a priority E tag the appropriate priority level in this instance? Why or why not?	Holly Whitman	4/25/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/homeoffice/pdfs/.../PG&E%20Response%20to%20RFI%20-%20Nov%2018%202019%20-%20Final%20-%204.14.2023.pdf	0	NA	E.1.3.2.3	Asset Inspections	Intensive Pole Inspections	
271	CA/PA	Sat W/MP-19	CA/PA_Sat W/MP-19	13	CA/PA_Sat W/MP-19_013	The PG&E Independent Safety Status Update Report by Fluor Energy Partners on October 4, 2022... a) Please reference "WMP-Discovery2022_DR_CA/California_019-02048300-0001.pdf" for our annual PG&E presentation from May 2022... b) Please explain the difference between the 2022 and 2023 assessments... c) Please explain the difference between the 2022 and 2023 assessments... d) Please explain the difference between the 2022 and 2023 assessments... e) Please explain the difference between the 2022 and 2023 assessments...	Holly Whitman	4/25/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/homeoffice/pdfs/.../WMP-Discovery2022_DR_CA%20California_019-02048300-0001.pdf	1	NA	E.1.2.5	Civil Design and System	Traditional Overhead Hardening - Transmission Conductor and Distribution	
272	CA/PA	Sat W/MP-19	CA/PA_Sat W/MP-19	14	CA/PA_Sat W/MP-19_014	a) We are still evaluating REFLC technology in the EPCIC 15 demarcation project including field testing and open operating experience... b) Please explain the difference between the 2022 and 2023 assessments... c) Please explain the difference between the 2022 and 2023 assessments... d) Please explain the difference between the 2022 and 2023 assessments... e) Please explain the difference between the 2022 and 2023 assessments...	Holly Whitman	4/25/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/homeoffice/pdfs/.../WMP-Discovery2022_DR_CA/California_019-02048300-0001.pdf	0	NA	E.1.8.1.3.1	Civil Design Operations and Maintenance	E.1.8.1.3.1 Rapid Earth Fault Curve Interlock	
273	CA/PA	Sat W/MP-19	CA/PA_Sat W/MP-19	15	CA/PA_Sat W/MP-19_015	a) Has PG&E performed a study to estimate the combined effectiveness of one or more combinations of covered conductor, EPCIC, PG&E and REFLC... b) If the answer is part (a) or (b), please explain why not... c) If the answer is part (a) or (b), please explain why not... d) If the answer is part (a) or (b), please explain why not... e) If the answer is part (a) or (b), please explain why not...	Holly Whitman	4/25/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/homeoffice/pdfs/.../WMP-Discovery2022_DR_CA/California_019-02048300-0001.pdf	0	NA	E.1.2	Civil Design and System	Hardening	Value
274	CA/PA	Sat W/MP-19	CA/PA_Sat W/MP-19	16	CA/PA_Sat W/MP-19_016	Table 1 on page 20 of the Joint IOU Covered Conductor Working Group Report states SCE's estimate of the combined effectiveness of the covered conductor program, asset inspections, and several VM programs... a) Has PG&E performed a similar estimate of the combined effectiveness of covered conductor, asset inspections, and several VM programs... b) If the answer is part (a) or (b), please explain why not... c) If the answer is part (a) or (b), please explain why not... d) If the answer is part (a) or (b), please explain why not... e) If the answer is part (a) or (b), please explain why not...	Holly Whitman	4/25/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/homeoffice/pdfs/.../WMP-Discovery2022_DR_CA/California_019-02048300-0001.pdf	0	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-21-11 - Covered Conductor Effectiveness Lessons Learned	
250	CA/PA	Sat W/MP-18	CA/PA_Sat W/MP-18	SUPP	CA/PA_Sat W/MP-18_SUPP	In response to question 1003590 of California PG&E-2023WMP-18 PG&E status... a) Please provide the following information about anticipated VM cost reductions under development in the below table: b) Please provide the following information about anticipated VM cost reductions under development in the below table: c) Please provide the following information about anticipated VM cost reductions under development in the below table: d) Please provide the following information about anticipated VM cost reductions under development in the below table: e) Please provide the following information about anticipated VM cost reductions under development in the below table:	Holly Whitman	4/24/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/homeoffice/pdfs/.../WMP-Discovery2022_DR_OEIS_003-0090461402.docx	0	NA	E.2.5.2	Vegetation Management and Inspections	Quality Control	
220	OEIS	003	OEIS_003	6	OEIS_003_06	Regarding PG&E's Areas of Concern... a) Provide a GIS layer of PG&E's Areas of Concern (AOC) within the following attributes for each AOC polygon... b) Number of overhead circuit miles in the AOC that are in scope for Focused Tree Inspections (ACT) (in miles) c) Cumulative probability of ignition caused by vegetation coupled with consequence of ignition as given by WORM (in percent) (x) (1) d) Average probability of ignition caused by vegetation coupled with consequence of ignition as given by WORM (in percent) (x) (2) e) Cumulative Overall Utility Risk as defined by the 2023-2024 WMP Technical Guidelines, Appendix B f) Cumulative PSPS Risk as defined by the 2023-2024 WMP Technical Guidelines, Appendix B g) Cumulative Ignition from Vegetation, Excluding of Ignition as defined by the 2023-2024 WMP Technical Guidelines, Appendix B h) Has PG&E used any vegetation related data source to identify the density/coverage of overhead trees to create the AOC's? (e.g., LIDAR, satellite, etc.) (to the data source) and the date the data were collected (e.g., distribution LIDAR from PG&E 2019) i) Has PG&E used any tree mortality data sets? j) Create the AOC's? If no, list the data sets and the date the data were collected. k) Determine the prioritization of inspection within the AOC's? If no, list the data sets and the date the data were collected.	Colin Ling	4/21/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/homeoffice/pdfs/.../WMP-Discovery2022_DR_OEIS_003-0090461402.docx	3	NA	E.2	Vegetation Management and Inspections	NA	
222	CA/PA	Sat W/MP-17	CA/PA_Sat W/MP-17	1	CA/PA_Sat W/MP-17_021	REGR CONFIDENTIAL... a) PG&E's WMP-17 has a number of critical protection zones (CPZ) based on field measured areas... b) PG&E's WMP-17 has a number of critical protection zones (CPZ) based on field measured areas... c) PG&E's WMP-17 has a number of critical protection zones (CPZ) based on field measured areas... d) PG&E's WMP-17 has a number of critical protection zones (CPZ) based on field measured areas... e) PG&E's WMP-17 has a number of critical protection zones (CPZ) based on field measured areas... f) PG&E's WMP-17 has a number of critical protection zones (CPZ) based on field measured areas... g) PG&E's WMP-17 has a number of critical protection zones (CPZ) based on field measured areas... h) PG&E's WMP-17 has a number of critical protection zones (CPZ) based on field measured areas... i) PG&E's WMP-17 has a number of critical protection zones (CPZ) based on field measured areas... j) PG&E's WMP-17 has a number of critical protection zones (CPZ) based on field measured areas...	Matthew Taul	4/21/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/homeoffice/pdfs/.../WMP-Discovery2022_DR_CA/California_019-02048300-0001.pdf	0	NA	E.1.2.2	Civil Design and System	Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution

Row ID	Company	Project Name	Request ID	Response ID	Request Date	Response Date	Request Description	Response Description	Project Status	Project Location	Project Type	
233	CaPA	Sat WMP-17	CaPa_Sat WMP-17_02	2	CaPa_Sat WMP-17_02	4/1/2023	4/26/2023	4/26/2023	0	NA	8.12.2	Grid Design and System
234	CaPA	Sat WMP-17	CaPa_Sat WMP-17_03	3	CaPa_Sat WMP-17_03	4/1/2023	4/26/2023	4/26/2023	0	NA	8.12.2	Grid Design and System
235	CaPA	Sat WMP-17	CaPa_Sat WMP-17_04	4	CaPa_Sat WMP-17_04	4/1/2023	4/26/2023	4/26/2023	0	NA	8.12.2	Grid Design and System
142	CaPA	Sat WMP-14	CaPa_Sat WMP-14_019	19	CaPa_Sat WMP-14_019	4/11/2023	4/26/2023	4/26/2023	1	NA	8.4.1	Emergency Preparedness
118	CaPA	Sat WMP-13	CaPa_Sat WMP-13_05	5	CaPa_Sat WMP-13_05	4/26/2023	4/26/2023	4/26/2023	1	NA	7.2.2.3	Wildfire Mitigation Strategy Development
282	TURN	009	TURN_009	1	TURN_009_01	4/26/2023	5/1/2023	5/1/2023	0	NA	Appendix D	Answer for Contested Proceedings
283	MORA	Date Request No. 3	MORA_Data Request No. 3	1	MORA_Data Request No. 3_01	4/27/2023	5/2/2023	4/27/2023	0	NA	6.4	Risk Methodology and Assessment
284	MORA	Date Request No. 3	MORA_Data Request No. 3	2	MORA_Data Request No. 3_02	4/27/2023	5/2/2023	4/27/2023	0	NA	6.4	Risk Methodology and Assessment
285	MORA	Date Request No. 3	MORA_Data Request No. 3	3	MORA_Data Request No. 3_03	4/27/2023	5/2/2023	4/27/2023	0	NA	6.4	Risk Methodology and Assessment
286	MORA	Date Request No. 3	MORA_Data Request No. 3	4	MORA_Data Request No. 3_04	4/27/2023	5/2/2023	4/27/2023	0	NA	6.4	Risk Methodology and Assessment
287	MORA	Date Request No. 3	MORA_Data Request No. 3	5	MORA_Data Request No. 3_05	4/27/2023	5/2/2023	4/27/2023	0	NA	6.4	Risk Methodology and Assessment
288	MORA	Date Request No. 3	MORA_Data Request No. 3	6	MORA_Data Request No. 3_06	4/27/2023	5/2/2023	4/27/2023	0	NA	6.4	Risk Methodology and Assessment
289	MORA	Date Request No. 3	MORA_Data Request No. 3	7	MORA_Data Request No. 3_07	4/27/2023	5/2/2023	4/27/2023	0	NA	6.4	Risk Methodology and Assessment
290	CaPA	Sat WMP-21	CaPa_Sat WMP-21_01	1	CaPa_Sat WMP-21_01	4/27/2023	5/2/2023	5/2/2023	0	NA	8.2.2.5	Vegetation Management and Inspections

340	O&ES	004	O&ES_004	14	O&ES_004_014	<p>Regarding PG&E's Live of Downed Conductor Detection (DCD) and Partial Voltage Detection (PVD)</p> <p>Provide any analyses completed on reliability impacts due to DCD, including:</p> <ol style="list-style-type: none">Number of outages that occurred due to DCD in 2022 and 2023Number of outages broken down by cause based on ignition drivers listed in Table 6 of the GQR that occurred due to DCD in 2022 and 2023Criteria used for DCD treatment (if applicable)The number of total customer impacts identified from DCD outagesAny mitigations PG&E is using to reduce reliability impacts from DCD implementation, including lessons learned from testingProvide any analyses completed on reliability impacts due to PVD, including: <p>The number of outages that occurred due to PVD in 2022 and 2023</p> <ol style="list-style-type: none">Number of outages broken down by cause based on ignition drivers listed in Table 6 of the GQR that occurred due to PVD in 2022 and 2023Criteria used for PVD treatment (if applicable)The number of total customer impacts identified from PVD outagesAny mitigations PG&E is using to reduce reliability impacts from PVD implementation, including lessons learned from testing <p>When evaluating outages due to EPSS, are DCD and PVD outages included as part of that evaluation?</p> <p>If so, what is the number of additional outages caused by PVD and DCD reactivation in 2023?</p> <p>If not, how does PG&E account for and track any associated reliability event safety impacts from DCD and PVD reactivation, and how does that inform changes to the WMP program?</p>	Colin Lang	5/8/2023	5/8/2023	5/8/2023	<p>a. When an EPSS asset is repaired for 2022-2023 DCD Outages:</p> <ol style="list-style-type: none">7 outages have occurred with DCD settings evaluated.The table below matches outage causes to the Ignition Drivers used in Table 6 of the 2022 OR Quarterly Data Report.DCD is an additional protection element as part of EPSS. PG&E will evaluate DCD capabilities where EPSS is available to help lower event current fault conditions.4, 7, 2, 2, 0, 0, 0.DCD outages and circuits are already considered in our existing EPSS Reliability Program. Specific to DCD, the program focuses on DCD-related protection on circuits to, where feasible, increase secondarily (DCD) protection that will reduce outage risk and restoration/pairwise areas while considering the system reliability benefit. Currently, 0 cases of outages have occurred from DCD outages with multiple DCD outages on a single device, our program's gap system protection team may conduct further review of the protection settings of these devices.One of the 4th 4th 2023 for 2022-2023 Partial Voltage, Force Outages (PVO/O):33 outages were occurred from DCD.Outages of 4th 4th 2023 for 2022-2023 Partial Voltage, Force Outages (PVO/O):33 outages were caused by cause based on ignition drivers listed in Table 6 of the GQR that occurred due to PVO/O in 2022 is shown below.Partial Voltage, Force Outages (PVO/O): 04/04/2023 Page 3Partial Voltage Force Outage is a manual action taken by a distribution control center operator or PV alarm when multiple meters aggregating to a base level indicate a partial voltage condition, and further we will clear PV alarms if normal voltage returns.See Column A.3, These circuits are included in the scope of PG&E's existing EPSS Reliability Mitigation programs. In addition, PG&E's PVO alarm configuration is designed to prevent nuisance alerts from transient conditions by sending the distribution control center operator a PV alarm when multiple meters aggregating to a base level indicate a partial voltage condition, and further we will clear PV alarms if normal voltage returns.C. Yes. A "DCD outage" is an EPSS outage. PG&E also evaluates PVO/O outages.PG&E's Reliability Program currently does not include a risk-informed approach where PG&E does not use a "risk-informed prioritization" when selecting wildfire mitigations. As described through the 2023 WMP, we specifically in Part 1.4.1, we begin developing our list of proposed mitigations by analyzing risk events, risk drivers, and consequences. Subject to work without waiting these mitigations, PG&E responds as follows:<ol style="list-style-type: none">These are when "WMP-Discovery2023_DR_O&ES_004-0015AAH1.pdf" This decision tree reflects the process we followed to further analyze our highest risk outages/ignition events included in the WMP. The process is when we select the next step and described below in 10, 8th, 4th, 4th, 4th key pages.Circuit Element Risk Ranking (level level). First, prioritize circuit elements in the locations where wildfire risk is the highest based on the latest wildfire distribution risk model (currently WDRM-v3).Circuit Element Prioritization Process (Blue boxes). Then identify potential environmental conditions that impact feasibility of implementing WMP-Discovery2023_DR_O&ES_004-0015 Page 2Circuit Element Prioritization Process (Blue boxes). Then identify potential environmental conditions that impact feasibility of implementing WMP-Discovery2023_DR_O&ES_004-0015 Page 2Consider existing risk, grade, and calculate wildfire feasibility eligibility (WFE) by (a) visual grading to prioritize undergrounding in the locations where WFE is the highest.Feasibility Study (green boxes). First, we confirm the segment identified is already completed or included in existing work. Then, engineering teams identify opportunities to improve efficiency and mitigate additional impacts, including adjusting the circuit to mitigate PSP or EPSS impacts.Identify if undergrounding is currently or is identified alternatives such as overhead, remote grid or hybrid) and confirming if there are any recent changes to the electric assets.Field Scoping (orange boxes). Field scoping then takes place, which is focused on identifying impediments to the proposed project and determining if a route or scope change is needed. If so, an alternative route is developed. Then, we secure the route and begin the planning phase of work.As discussed in the 2023 WMP Pp. 566, PG&E evaluated the statistical significance.As discussed in the 2023 WMP Pp. 566, PG&E evaluated the statistical significance.	0	NA	8.1.2.1.0	Grid Design and System Hardware	Downed Conductor Detection Devices
341	O&ES	004	O&ES_004	15	O&ES_004_015	<p>Regarding Feasibility Constraints</p> <p>PG&E must provide an analysis of how, if at all, feasibility constraints impact the decision making of the Wildlife Governing Committee in selecting a portfolio of mitigation measures to decrease from the risk driver identification. This should include:</p> <ol style="list-style-type: none">A flowchart or explanation of decision-making process by the Wildlife Governing Committee.The relationship between wildlife and WFE.The correlation between WFE and feasibility.Any associated shifts in prioritization due to implementing feasibility constraints.A list of any projects not included within WMP scope as to feasibility constraints.	Colin Lang	5/8/2023	5/8/2023	5/8/2023	<p>Feasibility Study (green boxes). First, we confirm the segment identified is already completed or included in existing work. Then, engineering teams identify opportunities to improve efficiency and mitigate additional impacts, including adjusting the circuit to mitigate PSP or EPSS impacts.Identify if undergrounding is currently or is identified alternatives such as overhead, remote grid or hybrid) and confirming if there are any recent changes to the electric assets.Field Scoping (orange boxes). Field scoping then takes place, which is focused on identifying impediments to the proposed project and determining if a route or scope change is needed. If so, an alternative route is developed. Then, we secure the route and begin the planning phase of work.As discussed in the 2023 WMP Pp. 566, PG&E evaluated the statistical significance.As discussed in the 2023 WMP Pp. 566, PG&E evaluated the statistical significance.</p>	1	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 - Review Process of Feasibility Wildfire Mitigation
342	O&ES	004	O&ES_004	16	O&ES_004_016	<p>Regarding Effectiveness of EPSS</p> <p>Provide the formula and calculations used by PG&E to determine the effectiveness of EPSS. Provide any analysis demonstrating wildfire mitigation between EPSS risk and wildfire risk versus PG&E's mitigations are directly addressing wildfire risk exposed to reliability.</p> <p>Provide PG&E's mitigation for reducing wildfire risk mitigation measures, including risks and work hours shifted around wildfire risk mitigation. This should also include an assessment related mitigations.</p>	Colin Lang	5/8/2023	5/8/2023	5/8/2023	<p>Provide the formula and calculations used by PG&E to determine the effectiveness of EPSS. Provide any analysis demonstrating wildfire mitigation between EPSS risk and wildfire risk versus PG&E's mitigations are directly addressing wildfire risk exposed to reliability.</p> <p>Provide PG&E's mitigation for reducing wildfire risk mitigation measures, including risks and work hours shifted around wildfire risk mitigation. This should also include an assessment related mitigations.</p>	2	NA	8.1.8.1.1	Grid Design, Operations and Maintenance	Protective Equipment and Device Settings
343	O&ES	004	O&ES_004	17	O&ES_004_017	<p>Regarding PG&E's Undergrounding Program</p> <p>Provide the correlation of V2 and V3 risk scores of the 2022 WMP vs. 2023 WMP undergrounding scope for 2023-2028. This should not include nor account for feasibility.</p> <p>Provide the analysis on the remaining list of risks no longer scoped for undergrounding, including:</p> <ol style="list-style-type: none">Internal mitigations being put into place to scope for undergrounding in the futureThe number of risks scoped for the future (per 2023)Alternative mitigations being used if no longer scoped for undergrounding in the futureBeing enhanced powerline safety settings EPSS that automatically turn off power within one-third of a second if a wildfire threat is detected.Deploying PSPS to reduce wildfire risk during extreme weather conditions while reducing impacts from PSPS outages through targeted grid reenergizing and reconfiguration in weather-impacted areas, therebyConducting power outages for customers who are not directly impacted, andConducting street inspections and repairs, and equipment management.At the time of filing the WMP and preparing the worksheet dated January 3, 2023, we did not have any projects slated in 2023. Based on current inventory of additional future undergrounding projects, the projects completed to date this year, and the current projects within the undergrounding portfolio, there are:Approximately 2000 miles of overhead lines slated for 2023-2028, andApproximately 2000 miles of overhead lines slated for 2023-2028, and	Colin Lang	5/8/2023	5/8/2023	5/8/2023	<p>Internal mitigations being put into place to scope for undergrounding in the future</p> <p>The number of risks scoped for the future (per 2023)</p> <p>Alternative mitigations being used if no longer scoped for undergrounding in the future</p> <p>Being enhanced powerline safety settings EPSS that automatically turn off power within one-third of a second if a wildfire threat is detected.</p> <p>Deploying PSPS to reduce wildfire risk during extreme weather conditions while reducing impacts from PSPS outages through targeted grid reenergizing and reconfiguration in weather-impacted areas, thereby</p> <p>Conducting power outages for customers who are not directly impacted, and</p> <p>Conducting street inspections and repairs, and equipment management.</p> <p>At the time of filing the WMP and preparing the worksheet dated January 3, 2023, we did not have any projects slated in 2023. Based on current inventory of additional future undergrounding projects, the projects completed to date this year, and the current projects within the undergrounding portfolio, there are:</p> <p>Approximately 2000 miles of overhead lines slated for 2023-2028, and</p> <p>Approximately 2000 miles of overhead lines slated for 2023-2028, and</p>	2	NA	8.1.2.2	Grid Design and System Hardware	Undergrounding of Electric Lines and/or Equipment - Distribution
309	TURN	011	TURN_011	1	TURN_011_01	<p>PG&E's WMP (P1) page 4 reference WDRM v3</p> <p>Provide an explain and quantify the difference in risk scoring results between WDRM v2 and WDRM v3. Please provide all supporting data and analysis in Excel with working formulas</p> <p>Provide a summary of results of WDRM v3 in Excel at the circuit segment, circuit protection zone, or most granular level available. This should include, at minimum, the following information in separate columns for all overhead, HTD and not identified HFRA risks that have been evaluated:</p> <ol style="list-style-type: none">Location circuit segment identifier that can be used to cross-reference with PG&E's undergrounding worksheet, provided in WMP-2023-04-06_PGE_2023_WMP_R1_Appendix D ACI PG&E-22-34_A2611. Please add the unique identifier to the worksheet if necessary and provide in Excel first worksheet available. The unique identifier should also be incorporated into the response to question 2.Total overall risk score (wildfire + PSPS)Total PSPS risk scoreMean wildfire risk score (please explain in the response how this is calculated)Mean PSPS risk score (please explain in the response how this is calculated)Blue Risk (please explain in the response how this is determined)Customer number of the circuit segmentCustomer number of underground risks (provide the circuit ID/alias acronym for currently scoped projects)Please add a column to the spreadsheet provided (part 1b) for the number of overhead risks expected to be undergrounded in 2023, 2024, and 2025, respectively, corresponding to each circuit segment.	Tom Long	5/1/2023	5/8/2023	5/8/2023	<p>PG&E's WMP (P1) page 4 reference WDRM v3</p> <p>Provide an explain and quantify the difference in risk scoring results between WDRM v2 and WDRM v3. Please provide all supporting data and analysis in Excel with working formulas</p> <p>Provide a summary of results of WDRM v3 in Excel at the circuit segment, circuit protection zone, or most granular level available. This should include, at minimum, the following information in separate columns for all overhead, HTD and not identified HFRA risks that have been evaluated:</p> <ol style="list-style-type: none">Location circuit segment identifier that can be used to cross-reference with PG&E's undergrounding worksheet, provided in WMP-2023-04-06_PGE_2023_WMP_R1_Appendix D ACI PG&E-22-34_A2611. Please add the unique identifier to the worksheet if necessary and provide in Excel first worksheet available. The unique identifier should also be incorporated into the response to question 2.Total overall risk score (wildfire + PSPS)Total PSPS risk scoreMean wildfire risk score (please explain in the response how this is calculated)Mean PSPS risk score (please explain in the response how this is calculated)Blue Risk (please explain in the response how this is determined)Customer number of the circuit segmentCustomer number of underground risks (provide the circuit ID/alias acronym for currently scoped projects)Please add a column to the spreadsheet provided (part 1b) for the number of overhead risks expected to be undergrounded in 2023, 2024, and 2025, respectively, corresponding to each circuit segment.	2	NA	6.2	Risk Methodology and Assessment	Risk Analysis Framework

224	DEIS	003	DEIS_003	10	DEIS_003_010	<p>Regarding PG&E's Asset Inventory</p> <p>1. Provide a list of all fields that PG&E's asset inventory captures (i.e., equipment, equipment type, age, installation date).</p> <p>2. Provide a list of all types of equipment captured within PG&E's asset inventory.</p> <p>3. Provide a percentage to indicate PG&E's missing data for each data field based on (a) within its asset inventory.</p> <p>4. Provide an estimated percentage for the amount of assets missing from PG&E's asset inventory.</p>	Colin Lang	4/01/2023	6/01/2023	5/01/2023	2	N/A	8.1.5	Asset Management and Inspection (Systems)	N/A
344	TURN	012	TURN_012	1	TURN_012_01	<p>1. Please confirm that the Simplified Withfire Risk Spreads (SWRSE) and Withfire Feasibility Expenditure (WFE) measures discussed on page 968 of PG&E's WMP.</p> <p>2. Please describe any differences in wildfire mitigation programs in (a) volume of wildfire mitigation and investment within the WMP and GRC for the years 2023-2025, and</p> <p>3. Can you lead to compare the cost-effectiveness of undergoing projects with any other projects.</p> <p>4. If PG&E does not necessarily agree with "a" and "b" above, please explain why it does not.</p>	Tom Long	5/6/2023	5/11/2023	5/11/2023	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 - Review Process of Prioritizing Withfire Mitigations
352	CaPA	Set WMP-24	CaPA_Set WMP-24	1	CaPA_Set WMP-24_01	<p>In reference to your response in Question 11 of GRC CallConversations-PGE-2023WMP-16, in the email attachment WMP-Discovery 2023_DR_018-Q01146601, is the only attachment to the CH to US conversion projects that has no adjacent circuit line.</p> <p>On Table (a) through (c), please identify the adjacent circuits that tie to the circuits with CH to US conversion projects in Table (a) through (c).</p>	Holly Whitman	5/6/2023	5/12/2023	5/11/2023	2	N/A	8.1.2.2	Circuit Design and System Hardening	Understanding of Electric Lines and/or Equipment
345	TURN	012	TURN_012	2	TURN_012_02	<p>2. Comparing the wildfire mitigation cost proposed in PG&E's WMP with the wildfire mitigation cost proposed in PG&E's proposed 2023 GRC (21-24-021)</p> <p>3. Please describe any differences in wildfire mitigation programs in (a) volume of wildfire mitigation and investment within the WMP and GRC for the years 2023-2025, and</p> <p>4. For any differences as described in (a) and (b), please provide a table that shows, on a program-by-program basis, the WMP program, the GRC program, and a description of the differences between the two, including without limitation differences in volume or units of work. The table should include any wildfire mitigation programs that are proposed in one of the proceedings but not in the other.</p>	Tom Long	5/6/2023	5/12/2023	5/12/2023	0	N/A	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
322	CaPA	Set WMP-22	CaPA_Set WMP-22	10	CaPA_Set WMP-22_010	<p>In response to data request CallConversations-PGE-2023WMP-02, question 1, PG&E provided its 2022 Quality Verification Distribution Audit report (WMP-Discovery2022_DR_CallConversations_022-00104601CONF.pdf).</p> <p>1. For each of the 15 "zero tolerance & high-risk findings," identified on page 4 of the above report, what action has PG&E taken to mitigate these non-conformances in the future?</p> <p>2. For each of the 15 "zero tolerance & high-risk findings," identified on page 4 of the above report, describe when and how PG&E addressed the non-conformances to mitigate wildfire risk.</p> <p>3. For each category of the "Top Three Critical attribute findings" identified on page 4 of the above report, what action has PG&E taken to mitigate these non-conformances in the future?</p> <p>4. For each category of the "Top Three Critical attribute findings" identified on page 4 of the above report, describe how PG&E addressed the non-conformances to mitigate wildfire risk.</p> <p>5. Please describe all actions PG&E has taken to reduce the rate of critical attribute non-conformances in future distribution system inspections.</p> <p>6. What is PG&E's target Quality Pass Rate for 2023?</p> <p>7. Please compare and contrast the 2022 Quality Verification Distribution Audit mentioned above and the QA program for system inspections that PG&E plans to implement (section 8.1.1 in PG&E's WMP).</p>	Holly Whitman	5/02/2023	5/12/2023	5/12/2023	2	N/A	8.1.6.1	Circuit Design and System Hardening	Quality Assurance and Quality Control
353	MGRA	Data Request No. 5	MGRA_Data Request No. 5	1	MGRA_Data Request No. 5_01	<p>Is the sole source of this POI data the machine learning algorithm described in WDRM documentation? If not, what other inputs go into the POI?</p>	Joseph Michael	5/10/2023	5/15/2023	5/15/2023	0	N/A	Appendix C (8.4.1.1, 8.4.1.2)	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HPFA
354	MGRA	Data Request No. 5	MGRA_Data Request No. 5	2	MGRA_Data Request No. 5_02	<p>Is the fire-prone POI distribution a result of the localization of specific historical outages, characteristics of assets, or environment, or both?</p>	Joseph Michael	5/10/2023	6/15/2023	5/15/2023	0	N/A	Appendix C (8.4.1.1, 8.4.1.2)	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HPFA
355	MGRA	Data Request No. 5	MGRA_Data Request No. 5	3	MGRA_Data Request No. 5_03	<p>Which of the following characteristics is known or suspected to contribute to the fire-prone localization of POI above, and to what degree:</p> <p>1. Topography and height</p> <p>2. Assets</p> <p>3. Assets health</p> <p>4. Assets type</p> <p>5. Distribution patterns</p>	Joseph Michael	5/10/2023	5/15/2023	5/15/2023	0	N/A	Appendix C (8.4.1.1, 8.4.1.2)	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HPFA
356	MGRA	Data Request No. 5	MGRA_Data Request No. 5	4	MGRA_Data Request No. 5_04	<p>As an example of "localized" effects, if a vehicle were to collide with a utility pole and cause an outage in the boundary of the minor zone, and if the POI were to be recalculated, would the area where the outage occurred show an elevated POI or would conversely the incremental increase rate of vehicle collision outage be generally distributed over the entire landscape, or a portion of the landscape?</p>	Joseph Michael	5/10/2023	5/15/2023	5/15/2023	0	N/A	Appendix C (8.4.1.1, 8.4.1.2)	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HPFA
357	MGRA	Data Request No. 5	MGRA_Data Request No. 5	5	MGRA_Data Request No. 5_05	<p>Are the weather events included in the WDRM GRC model any other terms than that described in WDRM-02 discussion, or would aggregated party variables such as annual frequency or annual days over peak use be used as supplementary variables?</p>	Joseph Michael	5/10/2023	5/15/2023	5/15/2023	0	N/A	Appendix C (8.4.1.1, 8.4.1.2)	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HPFA

332	OEIS	004	OEIS_004	REV	OEIS_004_REV	<p>Regarding Enhanced Vegetation Management</p> <p>a. Provide the following table with discussion regarding EVM:</p> <p>Year</p> <p>HFTD Miles Completed</p> <p>Inspected</p> <p>Stake</p> <p>Powerline</p> <p>Tree Types Worked</p> <p>Percentage</p> <p>Tree Type</p> <p>% of Miles in</p> <p>2019</p> <p>2020</p> <p>2021</p> <p>2022</p> <p>Total</p> <p>b. Provide a GIS layer of the features showing where EVM work was completed.</p>	Colin Lang	5/4/2023	5/15/2023	5/15/2023	0	N/A	8.2.2.8	Vegetation Management and Inspections	Discontinued Programs
329	OEIS	005	OEIS_005	1	OEIS_005_01	<p>Regarding Maturity Survey responses to Section 6.1.2 Question 48, PG&E answered "yes". What section of the Company Emergency Response Plan (CERP) does PG&E provide a discussion of gaps, limitations, and improvement areas with remedial or corrective action plans in 4 weeks to address and CERP? If a discussion is contained in other documents, provide those and clarify what sections the discussion is contained in.</p>	Colin Lang	5/11/2023	5/16/2023	5/16/2023	3	N/A	Maturity Survey	Maturity Survey	Maturity Survey
360	OEIS	005	OEIS_005	2	OEIS_005_02	<p>Regarding Maturity Survey responses to Section 6.1.4 Question #2, PG&E answered "yes" that an external third-party evaluation is conducted every five years.</p> <p>Please provide a copy of the most recent third-party evaluation.</p>	Colin Lang	5/11/2023	5/16/2023	5/16/2023	0	N/A	Maturity Survey	Maturity Survey	Maturity Survey
361	OEIS	005	OEIS_005	3	OEIS_005_03	<p>Regarding Maturity Survey responses to Section 6.1.4 Question #7, PG&E answered "yes" that Subject Matter Expert (SME) reviews are completed annually.</p> <p>Please provide a copy of the most recent SME evaluation(s).</p>	Colin Lang	5/11/2023	5/16/2023	5/16/2023	1	N/A	Maturity Survey	Maturity Survey	Maturity Survey
362	TURN	013	TURN_013	1	TURN_013_01	<p>1. Following up on TURN DR 10-23) and PG&E's response to:</p> <p>a. Please explain how PG&E determined that a risk per the HV risk model above 720 constitutes the top 20% of risk-related segments? Why does 720 represent the 20% threshold? Please explain. Please provide a copy of the model used in the analysis. The top 20 percent of risk-related circuit segments in this response is 717 which PG&E reported to WMP-2023_DR_TURN10-23Q04A001. How is the 5-83 circuit segments in each WORM model. Update WORM #3 that included both HFTD and HFRA (and non-HFTD line segments as well). WORM #2 only included HFTD circuit segments which totaled 3,635 circuit segments - see WMP-2023_DR_TURN_011-Q001A001. See connector_id_summary_WMP_23_06). The top 20 percent of the WORM #3 circuit segments is 721.</p> <p>b. Provide a copy of the model used in the analysis.</p> <p>c. Provide a copy of the model used in the analysis.</p> <p>d. Provide a copy of the model used in the analysis.</p> <p>e. Provide a copy of the model used in the analysis.</p> <p>f. Provide a copy of the model used in the analysis.</p> <p>g. Provide a copy of the model used in the analysis.</p> <p>h. Provide a copy of the model used in the analysis.</p> <p>i. Provide a copy of the model used in the analysis.</p> <p>j. Provide a copy of the model used in the analysis.</p> <p>k. Provide a copy of the model used in the analysis.</p> <p>l. Provide a copy of the model used in the analysis.</p> <p>m. Provide a copy of the model used in the analysis.</p> <p>n. Provide a copy of the model used in the analysis.</p> <p>o. Provide a copy of the model used in the analysis.</p> <p>p. Provide a copy of the model used in the analysis.</p> <p>q. Provide a copy of the model used in the analysis.</p> <p>r. Provide a copy of the model used in the analysis.</p> <p>s. Provide a copy of the model used in the analysis.</p> <p>t. Provide a copy of the model used in the analysis.</p> <p>u. Provide a copy of the model used in the analysis.</p> <p>v. Provide a copy of the model used in the analysis.</p> <p>w. Provide a copy of the model used in the analysis.</p> <p>x. Provide a copy of the model used in the analysis.</p> <p>y. Provide a copy of the model used in the analysis.</p> <p>z. Provide a copy of the model used in the analysis.</p>	Tom Long	5/11/2023	5/16/2023	5/16/2023	0	N/A	8.1.2.2	Grid Design, Operations, and Maintenance	Underwriting of Electric Lines and Equipment
363	Green Power Institute (GPI)	002	Green Power Institute (GPI)_002	1	Green Power Institute (GPI)_002_01	<p>Please provide:</p> <p>The number of trees removed in each year from 2019-2022 and the program under which the removals will occur.</p> <p>The number of planned tree removals for 2023, 2024, and 2025, and the program under which the removals will occur.</p> <p>The number of remaining trees in PG&E's tree inventory that are listed for removal.</p>	Zoe Harwood	5/11/2023	5/16/2023	5/16/2023	0	N/A	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
364	Green Power Institute (GPI)	002	Green Power Institute (GPI)_002	2	Green Power Institute (GPI)_002_02	<p>Please provide the number of distribution line miles PG&E will perform trimming on to achieve enhanced clearances (> 12').</p>	Zoe Harwood	5/11/2023	5/16/2023	5/16/2023	0	N/A	8.2.3.3	Vegetation Management and Inspections	Clearance
365	Green Power Institute (GPI)	002	Green Power Institute (GPI)_002	3	Green Power Institute (GPI)_002_03	<p>Please provide any existing qualitative metrics (e.g., bushiness, etc.) on the total amount of vegetation management "waste" (or residuals) produced each year from 2020 - 2022, and the annual amounts that are disposed of at existing facilities, landfill, biomass facilities, or other facilities.</p> <p>2021: 161,729 tons 2022: 39,867 tons 2023: 26,860 tons</p>	Zoe Harwood	5/11/2023	5/16/2023	5/16/2023	0	N/A	8.2.3.2	Vegetation Management and Inspections	Wood and Slash Management
366	Green Power Institute (GPI)	002	Green Power Institute (GPI)_002	4	Green Power Institute (GPI)_002_04	<p>Please provide the number of customer requests to retain woody biomass resulting from vegetation management activities on private property, state property, and federal property.</p>	Zoe Harwood	5/11/2023	5/16/2023	5/16/2023	0	N/A	8.2.3.2	Vegetation Management and Inspections	Wood and Slash Management
367	Green Power Institute (GPI)	002	Green Power Institute (GPI)_002	5	Green Power Institute (GPI)_002_05	<p>Please describe current agreements and any arrangement (2021-Present) concerning the sale and federal agencies regarding fuels, wood, biomass, and other products, including with respect to:</p> <p>1. The U.S. Forest Service (USFS), Bureau of Land Management (BLM), National Park Service (NPS), and California State Parks (CASP) have the authority to require specific wood and debris management (e.g., wood or log removal, chipping or to a certain diameter, piling) to be incorporated into proposals for Vegetation Management work on their lands. Public agencies including USFS, have provided PG&E with their expectations for wood and debris management, which are included in our Land Management Agreements. In addition to when specifications, some agencies have provided GIS files showing locations where all debris must be removed. We communicate regularly with our agency partners to address any immediate questions, requests or concerns. We also had comprehensive annual</p>	Zoe Harwood	5/11/2023	5/16/2023	5/16/2023	0	N/A	8.2.3.2	Vegetation Management and Inspections	Wood and Slash Management
338	OEIS	004	OEIS_004	12	OEIS_004_12	<p>Regarding the PG&E technical report for PPSB (see the PG&E technical report for PPSB-C, PPSB-D, and PPSB-E) do not sufficiently describe the methodologies that ultimately result in a PPSB Risk Score. The Guidelines for section 8.2 Risk Analysis Framework require detailed discussion of likelihood, consequence, exposure potential and vulnerability for Public Safety Power Shutoff (PSPS) Risk:</p> <p>6.1.1 Overview The electrical corporation must provide a brief narrative describing its methodology for quantifying the overall utility risk of wildfire and Public Safety Power Shutoff (PSPS).</p> <p>6.2.2.1 Likelihood The electrical corporation must discuss how it calculates the likelihood that its equipment (through normal operation or failure) will result in a catastrophic wildfire and the resulting likelihood of causing a PSPS.</p> <p>6.2.2.2 Consequence The electrical corporation must discuss how it calculates the consequences of a fire originating from its equipment and the consequence of implementing a PSPS event in order to understand PG&E's exposure calculations that ultimately result in the PPSB Risk Score, please provide the following, including via Excel file as applicable:</p> <p>a. Regarding PPSB Likelihood:</p> <p>1. Provide details on the inputs to the PPSB-C model, and calculation.</p> <p>2. In the LARF spreadsheet (attached at Figure 6-2.1) used to calculate likelihood of a PSPS event?</p> <p>3. The PPSB Likelihood section fully discusses applying current PSPS protocols against historical climatological data to inform the PPSB-C model, and refers to the WTRM data flow in Figure 6.2.2.3.</p> <p>4. Explain the model assumptions, PPSB-C model, and the WTRM data flow as required to produce the likelihood of a PSPS event.</p> <p>5. Explain the model assumptions that are used to produce the likelihood of a PSPS event.</p> <p>6. Regarding PPSB Consequence:</p> <p>1. Provide details on the inputs to the PPSB-C model.</p> <p>2. Provide explanation of the PPSB Consequence schematic, Figure 6.2.1.3.</p> <p>3. Explain the PPSB Consequence Risk Score calculation.</p> <p>4. Describe the output of the PPSB likelihood (provide an example of 12-year customer distribution).</p> <p>5. How does Customer Classification & Weighting affect the result?</p> <p>6. Provide more detailed schematic similar to the CARE Process Sheet (Figure 6.2.2.5) to illustrate model flow.</p> <p>7. Please provide a PPSB Consequence section with a similar level of detail as the Wildlife Consequence section. Highlighting factors and tables for transparency (using common keys).</p>	Colin Lang	5/4/2023	5/16/2023	5/16/2023	0	N/A	6.2	Risk Methodology and Assessment	Risk Analysis Framework
368	CPUC - SPD (Safety Policy Division)	007	CPUC - SPD (Safety Policy Division)_007	1	CPUC - SPD (Safety Policy Division)_007_01	<p>1) What types of covered conductor (list of conductor material, conductor, voltage rating of conductor - if PG&A can't provide data from a manufacturer, then provide the conductor's design PHS&E use and does PG&E choose different types of covered conductor types over another?</p>	Henry Bernal	5/17/2023	5/18/2023	5/18/2023	3	N/A	8.1.2.1	Grid Design and System Hardware	Conductor Installation - Distribution
369	MGRA	Date Request No. 5	MGRA_Data Request No. 5	1	MGRA_Data Request No. 5_01	<p>These were delivered with an Excel spreadsheet containing outage IDs.</p> <p>These were delivered with an OutageID truly verified to the OutageID that it is in charge data process file result of DR1. Please provide the file path in response to DR-04 or as soon as possible.</p>	Joseph Michael	5/15/2023	5/18/2023	5/18/2023	1	N/A	8.1.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
369	MGRA	Date Request No. 6	MGRA_Data Request No. 6	2	MGRA_Data Request No. 6_02	<p>Please add (or re-add) a sample "cascades" attribute to the outage file.</p>	Joseph Michael	5/15/2023	5/18/2023	5/18/2023	0	N/A	8.1.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
370	MGRA	Date Request No. 8	MGRA_Data Request No. 8	3	MGRA_Data Request No. 8_03	<p>Lowering, please add a "cascades" attribute to the outage data in the GIS file issued in response to MGRA DR1. Alternatively, provide an Excel file in which "cascades" is cross-referenced to OutageID(s).</p>	Joseph Michael	5/15/2023	5/18/2023	5/18/2023	0	N/A	8.1.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings

305	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009_02	2	CPUC - SPD (Safety Policy Division)_009_02	<p>a. Was the statement is classified broadly PSPS?</p> <p>b. The CPUC operates independently of PSPS and is based on different criteria and benchmarks designed to mitigate hazards and threats that can lead to loss of system and fires under non-PSPS conditions. Does PG&E's 2023 WMP, Section 8.1.6 PSPS indicators of operational maturity, flexibility, and system resilience is based on what is linked to:</p> <p>Operational Maturity</p> <p>Developed procedures in the PSPS decision making process by reviewing information provided by our SMEs and determining when there is an imminent or significant risk of device areas impacting PG&E areas and a significant risk of new, restorative outages should occur (see section 7.2.3 of PG&E's 2023 WMP)</p> <p>1. Making extensive use of weather forecasts and scoring capabilities by utilizing Caltrans' Fire Probability model which employs granular scoring processes to supplement the public safety risk analysis by segmenting smaller segments of the grid within the close confines of the fire critical weather footprint, rather than re-estimating larger amounts of weather.</p> <p>2. Making extensive use of Advanced Notifications and outreach tools to notify impacted customers. Through Caltrans' Foundation for Independent Living Centers (FILC) and Community Based Organizations (CBO) response.</p> <p>3. Using an extensive camera, weather station, and satellite weather monitoring network and on the ground personnel to collect real-time observations to inform and speed the identification of weather "At-Risk" times in more precise, smaller areas, to get customers back in service faster (see section 7.3.2.1 of PG&E's 2023 WMP).</p> <p>4. Revising and increasing resources for restoration efforts, including use of helicopters and fleet wing arrivals to conduct low safety paths after the weather "At-Risk" restoring service to safe lines as quickly as possible subject to operational safety and ability to access equipment for public and any needed repairs (see section 7.3.5 of PG&E's 2023 WMP).</p> <p>5. Supporting vulnerable customers through Caltrans' Foundation for Independent Living Centers (FILC) and Community Based Organizations (CBO) response.</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	https://www.cpuc.ca.gov/info/about/communications/updates/2023/06/20/2023-06-20-01 https://www.cpuc.ca.gov/info/about/communications/updates/2023/06/20/2023-06-20-02 https://www.cpuc.ca.gov/info/about/communications/updates/2023/06/20/2023-06-20-03	0	NA	8.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
306	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009_03	3	CPUC - SPD (Safety Policy Division)_009_03	<p>SPRGE has less than the required number of personnel with required training for several categories in Table B-8: PG&E's Personnel Training Programs for Electric and PSPS Events. Other states related to staffing include for example, all staffing will complete training on time and seasons for all being completed in the timing of a required position. Why are there less than required values of personnel for completing the training?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	https://www.cpuc.ca.gov/info/about/communications/updates/2023/06/20/2023-06-20-04 https://www.cpuc.ca.gov/info/about/communications/updates/2023/06/20/2023-06-20-05	0	NA	8.1.3	Grid Operations and Procedures	Personnel Work Procedures and Training in Conditions of Elevated Fire Risk
307	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009_04	4	CPUC - SPD (Safety Policy Division)_009_04	<p>SPRGE provides means to verify message receipt in Table B-8: PG&E's Protocols for Emergency Communication to Stakeholder Groups. How accurate is the receipt information with regard to sending messages are reaching intended recipients/aware to act in intended early actions (e.g., including, but not limited to, receiving a text message)?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	https://www.cpuc.ca.gov/info/about/communications/updates/2023/06/20/2023-06-20-06 https://www.cpuc.ca.gov/info/about/communications/updates/2023/06/20/2023-06-20-07	0	NA	8.4.1	Emergency Preparedness	Protocols for Emergency Communications
308	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009_05	5	CPUC - SPD (Safety Policy Division)_009_05	<p>SPRGE assesses notifications to AFNMB members. How does PG&E know that these notifications are received and that contact information is up to date?</p> <p>Does PG&E have a way to continuously verify that the contact information on file is current to help ensure such important notices are being received by the intended recipients?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	https://www.cpuc.ca.gov/info/about/communications/updates/2023/06/20/2023-06-20-08 https://www.cpuc.ca.gov/info/about/communications/updates/2023/06/20/2023-06-20-09	0	NA	8.5	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
309	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009_06	6	CPUC - SPD (Safety Policy Division)_009_06	<p>SPRGE mentions pre-pandemic in-person engagement. Does PG&E have data comparing pre-pandemic engagement to pandemic limitations engagement efforts and among other things, attendance? For instance, are there metrics regarding non-APNMB and APNMB?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	https://www.cpuc.ca.gov/info/about/communications/updates/2023/06/20/2023-06-20-10 https://www.cpuc.ca.gov/info/about/communications/updates/2023/06/20/2023-06-20-11 https://www.cpuc.ca.gov/info/about/communications/updates/2023/06/20/2023-06-20-12	0	NA	8.5.1	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
400	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009_07	7	CPUC - SPD (Safety Policy Division)_009_07	<p>SPRGE states that if an AFN customer does not answer the door, the notification is considered successful if a door hanger is left. What relay technology is PG&E using that classifies a door hanger as a successful notification?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	https://www.cpuc.ca.gov/info/about/communications/updates/2023/06/20/2023-06-20-13 https://www.cpuc.ca.gov/info/about/communications/updates/2023/06/20/2023-06-20-14 https://www.cpuc.ca.gov/info/about/communications/updates/2023/06/20/2023-06-20-15	0	NA	8.5	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
372	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005_01	1	CPUC - SPD (Safety Policy Division)_005_01	<p>Regarding cost in PG&E's underground grid hardening mitigation initiative projects, used in calculating cost-efficiency and project feasibility as described in the 2022-2023 WMP (p. 340 and p. 358), is data and looking forward?</p> <p>What was the average cost per circuit mile for undergrounding in 2022, 2021, and 2020, in the HFTD, non-HFTD, and battery-aided?</p> <p>What is the average cost per circuit mile expected in 2023, 2024, and 2025, in the HFTD, non-HFTD, and battery-aided?</p> <p>For non-HFTD and battery-aided, explain expected average year-over-year cost changes.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	https://www.cpuc.ca.gov/info/about/communications/updates/2023/05/15/2023-05-15-01 https://www.cpuc.ca.gov/info/about/communications/updates/2023/05/15/2023-05-15-02 https://www.cpuc.ca.gov/info/about/communications/updates/2023/05/15/2023-05-15-03	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
373	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005_02	2	CPUC - SPD (Safety Policy Division)_005_02	<p>How does the utility's cost estimate breakdown for undergrounding per mile. Provide the cost estimate in a commonly used cost-estimating format (e.g., Uniform). If the utility uses a different format, provide internal documentation on that format so SPD can understand the cost estimate.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	https://www.cpuc.ca.gov/info/about/communications/updates/2023/05/15/2023-05-15-04 https://www.cpuc.ca.gov/info/about/communications/updates/2023/05/15/2023-05-15-05	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
374	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005_03	3	CPUC - SPD (Safety Policy Division)_005_03	<p>How is PG&E recognizing subsurface variability (e.g., encountering hard rock, slope, or other conditions) providing significant, physical obstacles into undergrounding cost calculations? Provide an example.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	https://www.cpuc.ca.gov/info/about/communications/updates/2023/05/15/2023-05-15-06 https://www.cpuc.ca.gov/info/about/communications/updates/2023/05/15/2023-05-15-07	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution

406	CAFA	Sat WMP-26	CaPA_Sat WMP-26	2	CaPA_Sat WMP-26_02	<p>a) Do you consider load growth projections when you determine which system hardening measures to deploy for wildfire mitigation purposes?</p> <p>b) If the answer to (a) is "yes," explain how load growth projections influence your mitigation selection process.</p> <p>c) If the answer to (a) is "no," explain why not.</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
407	CAFA	Sat WMP-26	CaPA_Sat WMP-26	3	CaPA_Sat WMP-26_03	<p>a) When you plan system hardening projects for wildfire mitigation purposes, do you design projects to accommodate forecasted load growth?</p> <p>b) If yes, what degree of load growth do you design for?</p> <p>c) Describe your process for incorporating forecasted load growth into the design of system hardening projects (for instance, which scenarios of possible load growth are considered).</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
408	CAFA	Sat WMP-26	CaPA_Sat WMP-26	4	CaPA_Sat WMP-26_04	<p>a) In a typical bare conductor to covered conductor conversion project, is the intention to increase, decrease, or maintain the load capacity at rated operating temperature?</p> <p>b) Explain the reasoning for your response to part (a).</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
409	CAFA	Sat WMP-26	CaPA_Sat WMP-26	5	CaPA_Sat WMP-26_05	<p>a) Are all new covered conductor installation projects designed to accommodate loads greater than current capacity for the same circuit?</p> <p>b) If the answer to (a) is "yes," explain how.</p> <p>c) If the answer to (a) is "no," explain why not.</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
410	CAFA	Sat WMP-26	CaPA_Sat WMP-26	6	CaPA_Sat WMP-26_06	<p>a) Are all overhead to underground conductor projects designed to accommodate loads greater than current capacity for the same circuit?</p> <p>b) If the answer to (a) is "yes," explain how.</p> <p>c) If the answer to (a) is "no," explain why not.</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
411	CAFA	Sat WMP-26	CaPA_Sat WMP-26	7	CaPA_Sat WMP-26_07	<p>Describe the challenges or advantages entailed in increasing load capacity on a circuit that has previously been designed with underground conductor.</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
412	CAFA	Sat WMP-26	CaPA_Sat WMP-26	8	CaPA_Sat WMP-26_08	<p>Describe the challenges or advantages entailed in increasing load capacity on a circuit that has previously been designed with overhead conductor.</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
422	CAFA	Sat WMP-28	CaPA_Sat WMP-28	1	CaPA_Sat WMP-28_01	<p>a) Describe how PG&E will integrate QC into its execution processes to drive quality during initial work execution.</p> <p>b) Describe how PG&E will integrate QC into its execution processes to drive quality during subsequent work execution.</p> <p>c) Describe the QC and QA processes in place at the beginning of 2023 for a detailed distribution inspection.</p> <p>d) Describe the process from start to finish, from an QA section that occurs prior to the inspection, continuing through the inspection, and ending when QC and QA are both complete.</p> <p>e) Describe the QC and QA processes that PG&E is proposing in which QC will be integrated with execution processes—for a detailed distribution inspection. As specified in the previous part, describe the process from start to finish.</p> <p>f) State the percentage of distribution asset inspections that will undergo the integrated QC process that PG&E is proposing.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.6	Quality Assurance and Quality Control	NA
423	CAFA	Sat WMP-28	CaPA_Sat WMP-28	2	CaPA_Sat WMP-28_02	<p>a) The goal of asset inspection work is being tracked to ensure that QC tasks to perform distribution and plans that give visibility into opportunities for improvement in initial work execution, driving quality of the entire. Where applicable, PG&E will also continue to track QC pass rates as we move into 2023.</p> <p>b) PG&E will also continue to track QC pass rates as we move into 2023.</p> <p>c) PG&E will also continue to track QC pass rates as we move into 2023.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.6	Quality Assurance and Quality Control	NA
424	CAFA	Sat WMP-28	CaPA_Sat WMP-28	3	CaPA_Sat WMP-28_03	<p>a) All QA audit locations are inspected from completed QC ground or shutoff audit locations. Both ground and shutoff QC locations are audited for distribution locations and 1500 distribution locations. Provide a breakdown of the 1500 distribution locations by inspection type. For example, how many of these locations will audit detailed ground inspections, how many will audit aerial inspections, etc.</p> <p>b) Provide a breakdown of the 1500 distribution locations by inspection type. For example, how many of these locations will audit detailed ground inspections, how many will audit aerial inspections, etc.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.6	Quality Assurance and Quality Control	NA

425	CaPA	Sat WMP-28	CaPA_SatWMP-28	4	CaPA_SatWMP-28_04	<p>RA/PSGE-23-02 Table RA/PSGE-23-02-1 on page 18 of PSGE's response shows Higher GC pass rates in 2023 (as of July 25, 2023) than in 2022. GC companies deployed Table RA/PSGE-23-02-1, provide the sample size (both a number and percentage of total) that have undergone GC in 2023 as of July 25, 2023. a) List all items which PSGE attributes the increase in pass rates. They may include changes to inspection programs, changes to training, changes to the GC process, different personnel/contractors, etc.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	N/A	8.1.8	Quality Assurance and Quality Control	NA
426	CaPA	Sat WMP-28	CaPA_SatWMP-28	5	CaPA_SatWMP-28_05	<p>RA/PSGE-23-02 Page 21 of PSGE's response states, "By being flexible with how we deploy our quality management resources, we can mitigate \$20 million in annual costs to our customers in 2024 and 2025 and yet achieve comparably quality performance results." a) State the basis for PSGE's estimate that its proposed GC process will mitigate \$20 million in annual costs to customers. b) State the basis for PSGE's statement that its proposed GC process will achieve comparable quality performance results. c) Please describe the methods PSGE will use to track and compare the quality performance between its proposed GC process and the GC process in place at the beginning of 2023.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	N/A	8.1.8	Quality Assurance and Quality Control	NA
427	CaPA	Sat WMP-28	CaPA_SatWMP-28	6	CaPA_SatWMP-28_06	<p>RA/PSGE-23-02 Table 18-1 (Revised) on page 37 of PSGE's response states that 2,315 distribution locations underwent full audits in 2022, and 2,292 distribution locations in the FY23 will undergo full CA audits in 2023. Given that approximately one third of PSGE's overall distribution lines are on the FY23 (per Table 5-2) PSGE 2023-2025 WMP, please explain why the proposed audit sample size in 2023 is approximately one third of the actual audit sample size in 2022.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	N/A	8.1.8	Quality Assurance and Quality Control	NA
428	CaPA	Sat WMP-28	CaPA_SatWMP-28	7	CaPA_SatWMP-28_07	<p>RA/PSGE-23-03 Page 21 of PSGE's response states, "The likelihood of experiencing an extended outage (i.e., an outage of 12 hours or more) on EPSS enabled lines was 20% lower than all PSGE outages in 2022, and for Medical Devices or Vulnerable customers the same percentage was 25% lower than for that same population during Non-EPSS outages in 2022." a) Has the PSGE conducted a study or analysis of why the likelihood of experiencing an extended outage on EPSS enabled lines was 20% lower than all PSGE outages in 2022? b) If the answer to part (a) is yes, please provide the results of the study or analysis. c) For PSGE's 2023-2025 WMP, PSGE responds to most outages on EPSS enabled lines within 60 minutes. Describe the action to which this expedited response time contributes to the likelihood of experiencing an extended outage on EPSS enabled lines being 20% lower than for all PSGE outages in 2022.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	N/A	8.1.8	Grid Operations and Procedures	NA
429	CaPA	Sat WMP-28	CaPA_SatWMP-28	8	CaPA_SatWMP-28_08	<p>RA/PSGE-23-03 Page 14 of PSGE's response states, "PSGE estimates that by the end of the WMP cycle, we will have reduced wildfire risk in the HFTD/FRA by 54 percent through a combination of permanent risk reduction (system relocations) and operational mitigations such as EPSS." a) State the basis for the estimate that, by the end of the WMP cycle, PSGE will have reduced wildfire risk in the HFTD/FRA by 54 percent. b) Provide supporting data for your response to part (a). c) Please disaggregate the estimated 54 risk reduction figure into the amounts attributable to permanent risk reduction and operational mitigations.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	1	N/A	8.1.8	Grid Operations and Procedures	NA
430	CaPA	Sat WMP-28	CaPA_SatWMP-28	9	CaPA_SatWMP-28_09	<p>RA/PSGE-23-04 Page 55 of PSGE's response states, "Instead, we will eliminate the entire HFTD maintenance backlog by 2025." a) Is the above statement intended to refer to the HFTD maintenance backlog, or the HFTD/FRA maintenance backlog? b) If the answer to part (a) is the HFTD maintenance backlog, state when PSGE will eliminate the entire HFTD/FRA maintenance backlog. c) Does PSGE's plan for addressing maintenance backlog differ between between lines in HFTD tags in areas?</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	N/A	8.1.8	Grid Operations and Procedures	NA
431	CaPA	Sat WMP-28	CaPA_SatWMP-28	10	CaPA_SatWMP-28_10	<p>RA/PSGE-23-04 Figure RA/PSGE-23-04-1 on page 48 of PSGE's response shows that under PSGE's proposed plan to address maintenance lags, the average open notification age will remain at or under five years. Under PSGE's previously proposed plan, the average notification age for EOC notifications in isolation zones (under a 5-year protection zone) and sum the wildfire risk of those notifications. That sum will be divided by the sum of the average cost of those lines notified to get a risk spend efficiency by isolation zone bundle." a) How will PSGE determine the wildfire risk of individual notifications? b) How will PSGE determine the unit cost of individual notifications?</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	N/A	8.1.8	Grid Operations and Procedures	NA
432	CaPA	Sat WMP-28	CaPA_SatWMP-28	11	CaPA_SatWMP-28_11	<p>RA/PSGE-23-04 Footnote 16 on page 52 of PSGE's response states, "PSGE will develop a risk spend efficiency by isolation zone bundle and not by individual tags. We will identify groups of EOC notifications in isolation zones (under a 5-year protection zone) and sum the wildfire risk of those notifications. That sum will be divided by the sum of the average cost of those lines notified to get a risk spend efficiency by isolation zone bundle." a) How will PSGE determine the wildfire risk of individual notifications? b) How will PSGE determine the unit cost of individual notifications?</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	N/A	8.1.8	Grid Operations and Procedures	NA
433	CaPA	Sat WMP-28	CaPA_SatWMP-28	12	CaPA_SatWMP-28_12	<p>RA/PSGE-23-04 PSGE states that isolation zones "limit to a small protection zone" (footnote 16 on page 52). a) Define "isolation zone." b) Is an isolation zone limited to a small protection zone? c) If the answer to part (b) is no, describe the difference.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	N/A	8.1.8	Grid Operations and Procedures	NA
434	CaPA	Sat WMP-28	CaPA_SatWMP-28	14	CaPA_SatWMP-28_14	<p>RA/PSGE-23-04 Table RA/PSGE-23-04-4 on page 50 of PSGE's response estimates PSGE will create 70,200 new tags in 2024 and 200,800 new tags in 2025 and 200,800 new tags in 2026. a) State the basis for the reduced number of new 2-hour PSEG forecasts being created in 2024 and 2025 compared to 2023.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	N/A	8.1.8	Grid Operations and Procedures	NA
435	CaPA	Sat WMP-28	CaPA_SatWMP-28	15	CaPA_SatWMP-28_15	<p>RA/PSGE-23-04 Page 52 of PSGE's response states, "For example, we have found certain splices (e.g., splices within bus feet or insulator) and number of splices per span (or pole) do not pose an increased risk of ignition. Instead of issuing a non-priority risk maintenance tag, the splices are better addressed by the asset management team as they are a preferable indicator of a holistic asset health issue." a) Describe how the asset management team will track splices if a maintenance tag is not issued. b) Describe the circumstances under which PSGE would repair splices that do not pose an ignition risk, and describe do not have a maintenance tag. c) How does PSGE's asset management team use splices as an indicator of "holistic asset health" and/or what circumstances drive the asset management team take action based on the indicator?</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	N/A	8.1.8	Grid Operations and Procedures	NA

437	CAIPA	Sat WMP-28	CAIPA_SatWMP-28	16	CAIPA_SatWMP-28_016	<p>RP/PG&E-23-05</p> <p>Page 8 of PG&E's response states, "There are 79 circuit segments that are not included in an underground plan and have not been hardened. In place of these circuit segments, PG&E chooses to add different circuit segments to the portfolio that could be managed more effectively. PG&E manages wildfire risk through 79 circuit segments through our portfolio of Comprehensive Monitoring and Data Collection and Operational Mitigation measures." (a) Has PG&E considered overhead hardening on the 79 circuit segments described in this section? (b) If the answer to part (a) is no, why did PG&E not consider overhead hardening as a mitigation for these 79 circuit segments? (c) If the answer to part (a) is no, explain why not.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	<p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-016</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-016</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-016</p>	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
438	CAIPA	Sat WMP-28	CAIPA_SatWMP-28	17	CAIPA_SatWMP-28_017	<p>RP/PG&E-23-05-2</p> <p>Table 10: PG&E-23-05-2 on page 72 of PG&E's response compares the mileage in the top 20% of WFE, the top 20% of WDMA, and the top 20% of WFE. (a) PG&E-23-05-2 in the 2023-2023 WMP that the list of circuit segments listed by WFE is based on the mileage from WDMA and the 2023-2023 WMP that the list of circuit segments listed by WFE is based on the mileage from WDMA. (b) How does the WDMA of the response and the hardening of undergrounding segments in the response differ? (c) Please confirm or correct the understanding stated above. (d) Does the list of circuit segments listed by WFE encompass risk access from WDMA 27? If yes, describe how.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	<p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-017</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-017</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-017</p>	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
439	CAIPA	Sat WMP-28	CAIPA_SatWMP-28	18	CAIPA_SatWMP-28_018	<p>RP/PG&E-23-05</p> <p>Page 73 of PG&E's response states, "Based on our further evaluation, the preliminary, updated mitigation effectiveness for undergrounding, considering the residual risk from secondary and service lines, is approximately 97.7 percent compared to the 99 percent." (a) Describe how PG&E calculated the effectiveness of 97.7 percent. (b) Provide supporting data and workpapers for your response to part (a).</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	<p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-018</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-018</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-018</p>	1	N/A	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
440	CAIPA	Sat WMP-28	CAIPA_SatWMP-28	19	CAIPA_SatWMP-28_019	<p>RP/PG&E-23-07</p> <p>Page 103 of PG&E's response states, "The TAT was developed to fit the scope of the EVM Program. With the conclusion of EVM, PG&E has decided to discontinue the use of TAT and will be moving forward with utility assessment programs using the TRAQ system." (a) Given that, beginning in 2024, the scope of FTI will be similar to the scope of EVM (approximately 1,800 miles), how does the TAT and TRAQ differ? (b) Describe the ways in which the TAT and TRAQ form are similar. (c) Describe the ways in which the TAT and TRAQ form are different.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	<p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-019</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-019</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-019</p>	2	N/A	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
441	CAIPA	Sat WMP-28	CAIPA_SatWMP-28	20	CAIPA_SatWMP-28_020	<p>RP/PG&E-23-07</p> <p>Page 103 of PG&E's response states, "Given that we began working with the ISA TRAQ in 2023, data does not exist to objectively compare the effectiveness of TRAQ and the TAT." (a) Does PG&E have plans to compare the effectiveness of TRAQ and the TAT? If yes, please describe the study PG&E plans to perform, and the date PG&E plans to conclude the study. (b) If the answer to part (a) is no, please explain why not.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	<p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-020</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-020</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-020</p>	0	N/A	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
434	CAIPA	Sat WMP-28	CAIPA_SatWMP-28	13	CAIPA_SatWMP-28_013	<p>RP/PG&E-23-04</p> <p>Page 10 of PG&E's response states, with regard to field safety assessments, "Inspectors can also recommend field verification be cancelled if they believe an error of 1% or less was already committed." (a) Describe the process by which an inspector performing a field safety assessment can recommend a field verification be cancelled. (b) If an inspector performing a field safety assessment recommends that a verification be cancelled, do any additional verifications need to be performed? (c) If the answer to part (b) is no, please describe such additional checks or verifications. (d) If the answer to part (b) is no, explain why not.</p>	Holly Whitman	8/10/2023	8/16/2023	8/16/2023	<p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-013</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-013</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-013</p>	0	N/A	8.1.8	Grid Operations and Procedures	NA
413	CAIPA	Sat WMP-28	CAIPA_SatWMP-28	9	CAIPA_SatWMP-28_009	<p>Provide a list of circuits in your system. For each circuit, provide:</p> <p>(a) Circuit ID Number</p> <p>(b) Peak Load in Amperes obtained since January 1, 2014.</p> <p>(c) Circuit Capacity in Amperes</p>	Holly Whitman	7/27/2023	8/17/2023	8/17/2023	<p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-009</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-009</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-009</p>	1	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
414	CAIPA	Sat WMP-28	CAIPA_SatWMP-28	10	CAIPA_SatWMP-28_010	<p>Provide updated GIS layers of primary distribution, secondary distribution, and transmission lines, with the following attributes:</p> <p>(a) Circuit ID Number</p> <p>(b) Peak Load in Amperes obtained since January 1, 2014.</p> <p>(c) Circuit Capacity in Amperes</p>	Holly Whitman	7/27/2023	8/17/2023	8/17/2023	<p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-010</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-010</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-010</p>	1	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
415	CAIPA	Sat WMP-27	CAIPA_SatWMP-27	1	CAIPA_SatWMP-27_001	<p>The article states the following:</p> <p>The California utility company PG&E spent about \$2.5 billion on a weakening effort aimed at reducing wildfire risk by cutting or lowering trees that threaten power-generating plants. It now says that work was largely ineffective, and is abandoning the program, according to an internal analysis reviewed by The Wall Street Journal and others with utility executives.</p> <p>(a) Did PG&E provide an internal analysis in the Wall Street Journal as described in the article? (b) If the answer to part (a) is yes, please provide a copy of the internal analysis described in the article. (c) If the answer to part (a) is no, please describe the internal analysis described in the article? (d) If the answer to part (a) is no, please describe a copy of the internal analysis described in the article.</p>	Holly Whitman	8/4/2023	8/18/2023	8/18/2023	<p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-001</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-001</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-001</p>	1	N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
416	CAIPA	Sat WMP-27	CAIPA_SatWMP-27	2	CAIPA_SatWMP-27_002	<p>The article states the following:</p> <p>The California utility company PG&E spent about \$2.5 billion on a weakening effort aimed at reducing wildfire risk by cutting or lowering trees that threaten power-generating plants. It now says that work was largely ineffective, and is abandoning the program, according to an internal analysis reviewed by The Wall Street Journal and others with utility executives.</p> <p>(a) Please list the utility executives who were interviewed by The Wall Street Journal as described in the article. (b) For each executive listed in part (a), provide the date or dates the interview occurred. (c) For each executive listed in part (a), please provide transcripts of the interviews, if available.</p>	Holly Whitman	8/4/2023	8/18/2023	8/18/2023	<p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-002</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-002</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-002</p>	1	N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
417	CAIPA	Sat WMP-27	CAIPA_SatWMP-27	3	CAIPA_SatWMP-27_003	<p>The article states the following:</p> <p>PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ, however, PG&E does not know how they were used by WSJ. Please see attachments WMP-Discovery2023_DR_California_027-000186101-1. (b) Please see part (a). (c) The materials were shared on July 25, 2023. (d) See response in (a).</p>	Holly Whitman	8/4/2023	8/18/2023	8/18/2023	<p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-003</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-003</p> <p>https://www.pge.com/page_global/communications/infrastructure/operational-mitigation/2023-08-15-003</p>	0	N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections

418	CaPA	Sat WMP-27	CaPA_Sat WMP-27	4	CaPA_Sat WMP-27_04	<p>The article states the following: The California utility giant says the program, which involved creating side spaces between live wires and potentially insulating them, resulted in a 7% reduction in ignitions during periods when the risk is highest, typically in autumn according to the company's annual analysis. Based on a full year, the work resulted in a 7% reduction in ignitions. a) Please provide the analysis and data to support the 7% reduction in ignitions during periods when fire risk was highest. b) Please provide the analysis and data to support the 7% reduction in ignitions across a full year.</p> <p>In response to data request CaliforniaCaPA-20230818-14, question 03 on April 17, 2023, PG&E stated that it responded to the Substation Annual Abatement Effectiveness Study by July 18, 2023.</p> <p>a) Has PG&E completed the Substation Annual Abatement Effectiveness Study? b) If the answer to part (a) is no, please provide a copy of any reports or other output from the Substation Annual Abatement Effectiveness Study. c) If the answer to part (a) is no, please state when PG&E currently expects to complete the Substation Annual Abatement Effectiveness Study.</p> <p>In response to data request TERN/PG&E-3, question 01 on April 10, 2023, PG&E stated the following: Additionally, we are in the process of finalizing a study that is planned to be completed by June 30, 2023. This study will assess the recorded insulation improvements of insulators that have been underground and/or have been tested with renewed conductors. a) Has PG&E completed the study described above? b) If the answer to part (a) is yes, please provide a copy of any reports or other output from the study described above. c) If the answer to part (a) is no, please state when PG&E currently expects to complete the study described above.</p> <p>In response to data request CaliforniaCaPA-20230818-14, question 03 on April 17, 2023, PG&E stated that it responded to the Substation Annual Abatement Effectiveness Study by July 18, 2023.</p> <p>a) We have not yet completed our Substation Annual Abatement Effectiveness Study in partnership with Electric Power Research Institute (EPRI). b) The EPRI study will incorporate industry benchmark data, which is taking longer than expected. Completion is expected by Q4 of 2024.</p>	Holly Whitman	8/4/2023	8/18/2023	8/18/2023	2	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
419	CaPA	Sat WMP-27	CaPA_Sat WMP-27	5	CaPA_Sat WMP-27_05	<p>In response to data request CaliforniaCaPA-20230818-14, question 03 on April 17, 2023, PG&E stated that it responded to the Substation Annual Abatement Effectiveness Study by July 18, 2023.</p> <p>a) We have not yet completed our Substation Annual Abatement Effectiveness Study in partnership with Electric Power Research Institute (EPRI). b) The EPRI study will incorporate industry benchmark data, which is taking longer than expected. Completion is expected by Q4 of 2024.</p>	Holly Whitman	8/4/2023	8/18/2023	8/18/2023	0	NA	8.1.2.12	Grid Design and System Hardening	Other Technologies and Systems - Substation Annual Abatement
420	CaPA	Sat WMP-27	CaPA_Sat WMP-27	6	CaPA_Sat WMP-27_06	<p>In response to data request TERN/PG&E-3, question 01 on April 10, 2023, PG&E stated the following: Additionally, we are in the process of finalizing a study that is planned to be completed by June 30, 2023. This study will assess the recorded insulation improvements of insulators that have been underground and/or have been tested with renewed conductors. a) Has PG&E completed the study described above? b) If the answer to part (a) is yes, please provide a copy of any reports or other output from the study described above. c) If the answer to part (a) is no, please state when PG&E currently expects to complete the study described above.</p> <p>a) We have not yet completed the above referenced study. b) Not applicable. c) PG&E currently expects to complete the study in October 2023.</p>	Holly Whitman	8/4/2023	8/18/2023	8/18/2023	0	NA	NA	NA	NA
421	CaPA	Sat WMP-27	CaPA_Sat WMP-27	7	CaPA_Sat WMP-27_07	<p>Please provide a copy of PG&E's 2022 Annual Circuit Reliability Report. This should be similar to the documents provided to PG&E in response to TERN/PG&E-3, question 01 on April 10, 2023.</p> <p>Please see "WMP-Discovery2023_DR_CaPA/California_2022-0007A0101.pdf" for a copy of the 2022 Annual Circuit Reliability Report.</p> <p>Please see the table below for responses to subparts (i) and (ii): Flat Map Consequence Rank HFTD Tier Low Medium High Severe Extremes 2 232,985 32,724 27,521 4,236 4,280 Tier 3 128,899 33,724 28,889 2,345 869</p> <p>a) Please provide the number of substations/structures using the same asset/structure definition as WMP R2 table 8.1.3, page 465 located in HFTD tier 3. b) Please provide the number of substations/structures using the same asset/structure definition as WMP R2 table 8.1.3, page 465 located in HFTD tier 2.</p> <p>Please see the table below for responses to subparts (i) and (ii): Flat Map Consequence Rank HFTD Tier Low Medium High Severe Extremes 2 232,985 32,724 27,521 4,236 4,280 Tier 3 128,899 33,724 28,889 2,345 869</p> <p>a) Please provide the number of substations/structures using the same asset/structure definition as WMP R2 table 8.1.3, page 465 located in HFTD tier 3. b) Please provide the number of substations/structures using the same asset/structure definition as WMP R2 table 8.1.3, page 465 located in HFTD tier 2.</p>	Holly Whitman	8/4/2023	8/18/2023	8/18/2023	1	NA	NA	NA	NA
442	OESB	011	OESB_011	1	OESB_011_01	<p>Regarding distribution installed ground inspections: a. On page 464 of its revised WMP, PG&E states that it will shift from inspecting all HFTD tier 3 distribution assets annually and tier 2 assets every three years, to inspecting assets and extreme consequences only every two years. b. Please provide the number of substations/structures using the same asset/structure definition as WMP R2 table 8.1.3, page 465 located in HFTD tier 3. c. Please provide the number of substations/structures using the same asset/structure definition as WMP R2 table 8.1.3, page 465 located in HFTD tier 2.</p> <p>a) On page 464 of its revised WMP, PG&E states that it will shift from inspecting all HFTD tier 3 distribution assets annually and tier 2 assets every three years, to inspecting assets and extreme consequences only every two years. b. Please provide the number of substations/structures using the same asset/structure definition as WMP R2 table 8.1.3, page 465 located in HFTD tier 3. c. Please provide the number of substations/structures using the same asset/structure definition as WMP R2 table 8.1.3, page 465 located in HFTD tier 2.</p>	Delecia Smith	8/18/2023	8/23/2023	8/23/2023	0	NA	8.1.3.2.1	Asset Inspections	Detailed Ground Inspection
443	OESB	011	OESB_011	2	OESB_011_02	<p>Regarding PG&E's Grid Design and Maintenance Quality Control: a. In its Revision Notice Response, PG&E states that its "working to integrate OC with [its] execution processes. This approach will create real-time warnings to coach and guide workers..." and that minimum sample sizes and case rate target "would foster PG&E's reliability." (Page 85) b. Describe the approach, including the similarities and differences from the current and previous approach to OC. c. Provide the timeline for integrating the approach. d. Provide the estimated sample size for this approach. These sample sizes may differ represent physical assets PG&E will OC per year (e.g., PG&E will OC 1,000 circuit miles in each year of the WMP cycle) or how PG&E determines the sample size for OC (i.e., in a circuit for when and where PG&E performs OC). e. Describe any performance metrics PG&E has developed related to the approach and any targets for 2023-2025. f. Explain any PG&E can provide week-to-date pass rate results for its OC program (Table RN/PG&E-23-02-13a) and pass rate targets for the 2023-2025 WMP cycle.</p> <p>a. In its Revision Notice Response, PG&E states that its "working to integrate OC with [its] execution processes. This approach will create real-time warnings to coach and guide workers..." and that minimum sample sizes and case rate target "would foster PG&E's reliability." (Page 85) b. Describe the approach, including the similarities and differences from the current and previous approach to OC. c. Provide the timeline for integrating the approach. d. Provide the estimated sample size for this approach. These sample sizes may differ represent physical assets PG&E will OC per year (e.g., PG&E will OC 1,000 circuit miles in each year of the WMP cycle) or how PG&E determines the sample size for OC (i.e., in a circuit for when and where PG&E performs OC). e. Describe any performance metrics PG&E has developed related to the approach and any targets for 2023-2025. f. Explain any PG&E can provide week-to-date pass rate results for its OC program (Table RN/PG&E-23-02-13a) and pass rate targets for the 2023-2025 WMP cycle.</p>	Delecia Smith	8/18/2023	8/23/2023	8/23/2023	0	NA	8.1.6	Quality Assurance and Quality Control	NA
444	OESB	011	OESB_011	3	OESB_011_03	<p>Regarding PG&E's Vegetation Management Quality Control: a. In its Revision Notice Response, PG&E states that its "working to integrate OC with [its] execution processes. This approach will create real-time warnings to coach and guide workers..." and that minimum sample sizes and case rate target "would foster PG&E's reliability." (Page 85) b. Describe the approach, including the similarities and differences from the current and previous approach to OC. c. Provide the timeline for integrating the approach. d. Provide the estimated sample size for this approach. These sample sizes may differ represent physical assets PG&E will OC per year (e.g., PG&E will OC 1,000 circuit miles in each year of the WMP cycle) or how PG&E determines the sample size for OC (i.e., in a circuit for when and where PG&E performs OC). e. Describe any performance metrics PG&E has developed related to the approach and any targets for 2023-2025. f. Explain any PG&E can provide week-to-date pass rate results for its OC program (Table RN/PG&E-23-02-13a) and pass rate targets for the 2023-2025 WMP cycle.</p> <p>a. In its Revision Notice Response, PG&E states that its "working to integrate OC with [its] execution processes. This approach will create real-time warnings to coach and guide workers..." and that minimum sample sizes and case rate target "would foster PG&E's reliability." (Page 85) b. Describe the approach, including the similarities and differences from the current and previous approach to OC. c. Provide the timeline for integrating the approach. d. Provide the estimated sample size for this approach. These sample sizes may differ represent physical assets PG&E will OC per year (e.g., PG&E will OC 1,000 circuit miles in each year of the WMP cycle) or how PG&E determines the sample size for OC (i.e., in a circuit for when and where PG&E performs OC). e. Describe any performance metrics PG&E has developed related to the approach and any targets for 2023-2025. f. Explain any PG&E can provide week-to-date pass rate results for its OC program (Table RN/PG&E-23-02-13a) and pass rate targets for the 2023-2025 WMP cycle.</p>	Delecia Smith	8/18/2023	8/23/2023	8/23/2023	0	NA	8.1.6	Quality Assurance and Quality Control	NA
413	CaPA	Sat WMP-26	CaPA_Sat WMP-26	SRPP	CaPA_Sat WMP-26_OB9LPP	<p>Please provide a list of all circuits in your system. For each circuit, provide: a) Circuit ID Number b) Peak load in Amps observed since January 1, 2014. c) Circuit Capacity in Amps</p> <p>Please see the attached spreadsheet "WMP-Discovery2023_DR_SPO_010-0001-Ann01" with information summarized from Table 11 of PG&E's most recently submitted QDR (Q1 2023 submitted Aug 1).</p>	Holly Whitman	7/27/2023	8/4/2023	8/4/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
414	CaPA	Sat WMP-26	CaPA_Sat WMP-26	SRPP	CaPA_Sat WMP-26_O10LPP	<p>Please provide GIS layers of primary distribution, secondary distribution, and transmission lines, with the following attributes: a) Circuit ID Number b) Peak load in Amps observed since January 1, 2014. c) Circuit Capacity in Amps</p> <p>Please see the attached spreadsheet "WMP-Discovery2023_DR_SPO_010-0001-Ann01" with information summarized from Table 11 of PG&E's most recently submitted QDR (Q1 2023 submitted Aug 1).</p>	Holly Whitman	7/27/2023	8/24/2023	8/24/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
445	CPUC - SPD (Safety Policy Division)	010	CPUC - SPD (Safety Policy Division)_010	1	CPUC - SPD (Safety Policy Division)_010_01	<p>Please provide the attached spreadsheet "WMP-Discovery2023_DR_SPO_010-0001-Ann01" with information summarized from Table 11 of PG&E's most recently submitted QDR (Q1 2023 submitted Aug 1).</p> <p>Please see the attached spreadsheet "WMP-Discovery2023_DR_SPO_010-0001-Ann01" with information summarized from Table 11 of PG&E's most recently submitted QDR (Q1 2023 submitted Aug 1).</p>	Karin Miller	8/24/2023	8/31/2023	8/31/2023	1	NA	NA	NA	NA

465	CaPA	Sat WMP-30	CaPA_Set WMP-30	1	CaPA_Set WMP-30_01	<p>This data request relates to PG&E's Wildlife Distribution Risk Model version 4 (hereinafter referred to as "WDRM v4") in any of the requested documents or information is not yet complete and available, please state in your response when you expect the documents or information to be complete and available.</p> <p>ii) Please list all distinct risk scores generated by PG&E's WDRM v4. For example, WDRM v3 generated 17 different risk scores 4</p> <p>iii) For each risk score in part (ii) please provide a category or brief description of the type of risk the score represents.</p> <p>iv) For each risk score in part (ii) please provide a brief explanation of how PG&E intends to use that risk score.</p> <p>v) For each risk score in part (ii) please list all PG&E wildfire mitigation initiatives that are informed by that risk score.</p> <p>vi) For each risk score in part (ii) please state the most granular level available for that risk score. For example, in WDRM v3, the most granular level available would be the risk scores associated with individual 100m x 100m pixels.</p> <p>vii) For each risk score in part (ii) please state the granularity of which the risk score is used to inform wildfire mitigation initiatives (e.g., circuit segment, circuit, individual asset, etc.).</p>	<p>A1-1) The Wildlife Distribution Risk Model (WDRM v4) is not currently available. PG&E plans to make the model information available with the 2025 Wildfire Mitigation Plan Update.</p>	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/common/pdf/va/56/AmendatoryProposedWildfireMitigationPlanUpdateWildfireMitigationInitiativesReferenceDoc/2023_CaPAExecutive_010_01	0	N/A	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	N/A
466	CaPA	Sat WMP-30	CaPA_Set WMP-30	2	CaPA_Set WMP-30_02	<p>This data request relates to PG&E's Wildlife Distribution Risk Model version 4 (hereinafter referred to as "WDRM v4") in any of the requested documents or information is not yet complete and available, please state in your response when you expect the documents or information to be complete and available.</p> <p>ii) Please list all composite (or aggregate) risk scores generated by PG&E's WDRM v4. For example, WDRM v3 generated five composite risk scores.</p> <p>iii) For each risk score in part (ii) please provide a category or brief description of the type of risk the score represents.</p> <p>iv) For each risk score in part (ii) please provide a brief explanation of how PG&E intends to use that risk score.</p> <p>v) For each risk score in part (ii) please list all PG&E wildfire mitigation initiatives that are informed by that risk score.</p> <p>vi) For each risk score in part (ii) please state the most granular level available for that risk score.</p> <p>vii) For each risk score in part (ii) please state the granularity of which the risk score is used to inform wildfire mitigation initiatives (e.g., circuit segment, circuit, individual asset, etc.).</p>	<p>A1-1) As stated in the response to Question 001, the WDRM v4 is not currently available. PG&E plans to make the model information available with the 2025 WMP Update.</p>	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/common/pdf/va/56/AmendatoryProposedWildfireMitigationPlanUpdateWildfireMitigationInitiativesReferenceDoc/2023_CaPAExecutive_010_01	0	N/A	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	N/A
467	CaPA	Sat WMP-30	CaPA_Set WMP-30	3	CaPA_Set WMP-30_03	<p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&E's responses to questions 1 and 2 above.</p> <p>ii) Please provide a GIS file that details the most granular level (as discussed in questions 1(a) and 2(a)) available for each risk score identified in questions 1(a) and 2(a). This file should contain the following:</p> <p>a) Geometric features detailing the relevant geometry for each risk score. This may be polygons that depict "pixels," lines that depict circuit segments, points that depict assets, or other geometry that best suits the relevant risk scores. If multiple risk scores share geometry (e.g., multiple risk scores that are calculated at the "pixel" level), there is no need to include multiple polygons that depict the same physical geometry.</p> <p>b) Each geometric feature, please include all relevant risk scores from questions 1(a) and 2(a) as attributes.</p>	<p>A1-3) As stated in the response to Questions 001-002, the WDRM v4 is not currently available. PG&E plans to make the model information available with the 2025 WMP Update.</p>	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/common/pdf/va/56/AmendatoryProposedWildfireMitigationPlanUpdateWildfireMitigationInitiativesReferenceDoc/2023_CaPAExecutive_010_01	0	N/A	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	N/A
468	CaPA	Sat WMP-30	CaPA_Set WMP-30	4	CaPA_Set WMP-30_04	<p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&E's responses to questions 1 and 2 above.</p> <p>ii) Please provide a GIS file that details the risk scores at the same granularity that is currently used to inform wildfire mitigation measures (as discussed in questions 1(f) and 2(f)). This file should contain the following:</p> <p>a) Geometric features detailing the relevant geometry for each risk score. This may be polygons that depict "pixels," lines that depict circuit segments, points that depict assets, or other geometry that best suits the relevant risk scores. If multiple risk scores share geometry (e.g., multiple risk scores that are calculated at the "pixel" level), there is no need to include multiple polygons that depict the same physical geometry.</p> <p>b) For each geometric feature, please include all relevant risk scores from questions 1(a) and 2(a) as attributes.</p> <p>c) For each geometric feature, include the circuit identification number as an attribute.</p> <p>d) For each geometric feature, include the circuit name as an attribute.</p> <p>e) For each geometric feature, include the circuit segment name as an attribute.</p> <p>f) If available, include a unique classification for each geometric feature (e.g., asset ID, substation name, etc.).</p>	<p>A1-1) As stated in the response to Questions 001-003, the WDRM v4 is not currently available. PG&E plans to make the model information available with the 2025 WMP Update.</p>	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/common/pdf/va/56/AmendatoryProposedWildfireMitigationPlanUpdateWildfireMitigationInitiativesReferenceDoc/2023_CaPAExecutive_010_01	0	N/A	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	N/A
469	CaPA	Sat WMP-30	CaPA_Set WMP-30	5	CaPA_Set WMP-30_05	<p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&E's responses to questions 1 and 2 above.</p> <p>ii) Please provide a spreadsheet that lists (as many) each circuit-segment that is included in the Wildlife Distribution Risk Model v4. This spreadsheet should include, at minimum, the following columns:</p> <p>a) Name or ID number of each circuit segment.</p> <p>b) Circuit name for the circuit that each segment is part of.</p> <p>c) Circuit ID for the circuit that each segment is part of.</p> <p>d) Total voltage.</p> <p>e) The total count of the circuit segment. (Cal Attention understands this to be the number of 100m x 100m pixels analyzed by the WDRM v4 along the length of the circuit segment).</p> <p>f) The average risk value(s) associated with each pixel along the circuit segment. (In previous versions of the risk model, the risk referred to as the "mean WDFV" core cell" or "mean risk").</p> <p>g) Total circuit-miles on the circuit-segment.</p> <p>h) Total overhead circuit-miles on the circuit-segment.</p> <p>i) Total non-HFTD overhead circuit-miles on the circuit-segment.</p> <p>j) Total Tier 2 overhead circuit-miles on the circuit-segment.</p> <p>k) Total Tier 3 overhead circuit-miles on the circuit-segment.</p> <p>l) Total underground circuit-miles on the circuit-segment.</p> <p>m) Total HFTD underground circuit-miles on the circuit-segment.</p>	<p>A1-1) As stated in the response to Questions 001-004, the WDRM v4 is not currently available. PG&E plans to make the model information available with the 2025 WMP Update.</p>	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/common/pdf/va/56/AmendatoryProposedWildfireMitigationPlanUpdateWildfireMitigationInitiativesReferenceDoc/2023_CaPAExecutive_010_01	0	N/A	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	N/A
470	CaPA	Sat WMP-30	CaPA_Set WMP-30	6	CaPA_Set WMP-30_06	<p>Has E3 or another entity performed an independent review of the WDRM v4?</p> <p>ii) If the answer to part (a) is yes, please provide a copy of any report and output from the independent review.</p> <p>iii) If the answer to part (a) is no, does PG&E plan to have E3 or a similar entity perform an independent review of the WDRM v4?</p> <p>iv) If the answer to part (a) is no, please explain why not.</p> <p>v) If the answer to part (a) is yes, when does PG&E expect the response to be completed?</p>	<p>A1-1) The WDRM v4 is currently under review by E3. PG&E expects that the E3 review will be completed and available with the 2025 WMP Update.</p>	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/common/pdf/va/56/AmendatoryProposedWildfireMitigationPlanUpdateWildfireMitigationInitiativesReferenceDoc/2023_CaPAExecutive_010_01	0	N/A	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	N/A
471	CaPA	Sat WMP-30	CaPA_Set WMP-30	7	CaPA_Set WMP-30_07	<p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&E's responses to questions 1 and 2 above.</p> <p>ii) Has PG&E created a detailed overview document that details the WDRM v4, similar to the "2021 Wildlife Distribution Risk Model Overview" that PG&E submitted following public workshop held on October 5 and 6, 2021?</p> <p>iii) If the answer to part (a) is yes, please provide a copy of the document.</p> <p>iv) If the answer to part (a) is no, does PG&E plan to create such a document?</p> <p>v) If the answer to part (a) is no, please explain why not.</p> <p>vi) If the answer to part (a) is yes, when does PG&E expect the document to be completed?</p>	<p>A1-1) As stated in the response to Questions 001-005, the WDRM v4 is not currently available. PG&E plans to make the model information available with the 2025 WMP Update. Along with this model information, PG&E anticipates preparing a similar document as part of the 2025 WMP Update.</p>	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/common/pdf/va/56/AmendatoryProposedWildfireMitigationPlanUpdateWildfireMitigationInitiativesReferenceDoc/2023_CaPAExecutive_010_01	0	N/A	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	N/A
472	CaPA	Sat WMP-30	CaPA_Set WMP-30	8	CaPA_Set WMP-30_08	<p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&E's responses to questions 1 and 2 above.</p> <p>ii) Page 76 of PG&E's 2023/2025 Wildfire Mitigation Plan Supplemental Response to Revision Notice, September 27, 2023 states, "When we began using the WDRM v4 and incorporating it with the WSCA (Wildfire Benefit Cost Analysis) risk scoring and project prioritization initiative, wildfire risk reduction, reliability benefits, public safety, project costs, long-term savings and other factors that present a more holistic view into the costs and benefits of an energy project."</p> <p>iii) Does the WDRM v4 include an estimation of reliability benefits, as discussed in the above quote? Please explain if yes.</p> <p>iv) Does the WDRM v4 include an estimation of public safety, as discussed in the above quote? Please explain if yes.</p> <p>v) Does the WDRM v4 include an estimation of project costs, as discussed in the above quote? Please explain if yes.</p>	<p>A1-1) The WDRM v4 scope does not include the estimated benefits requested in parts A, B, and C. Reliability benefits, public safety, and project costs will be considered as part of the WSCA and are not part of the WDRM v4.</p>	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/common/pdf/va/56/AmendatoryProposedWildfireMitigationPlanUpdateWildfireMitigationInitiativesReferenceDoc/2023_CaPAExecutive_010_01	0	N/A	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	N/A
473	CaPA	Sat WMP-31	CaPA_Set WMP-31	1	CaPA_Set WMP-31_01	<p>The following questions pertain to PG&E's 2023 - 2025 WMP Revision 3, submitted on September 27, 2023, Section 8.1.7 - Open Work Orders.</p> <p>ii) On page 530 of your 2023 - 2025 WMP R3, PG&E provided a table (Table B-6-1) showing the total number of open work orders listed in order by age and HFTD tier. Please provide an updated version of Table B-6-1 as of September 30, 2023.</p> <p>iii) Number of Past Due Transmission Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>iv) HFTD Area 0 - 30 Days 91 - 90 Days 91 - 180 Days 181+ Days</p> <p>v) Non-HFTD HFTD Tier 2 HFTD Tier 3</p>	<p>Please see the table below for the requested information: Number of Past Due Transmission Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area 0 - 30 Days 91 - 90 Days 91 - 180 Days 181+ Days</p> <p>Non-HFTD HFTD Tier 2 HFTD Tier 3</p>	Holly Whitman	10/1/2023	10/26/2023	10/26/2023	https://www.pge.com/legal_global/common/pdf/va/56/AmendatoryProposedWildfireMitigationPlanUpdateWildfireMitigationInitiativesReferenceDoc/2023_CaPAExecutive_010_01	0	N/A	8.1.7	Open Work Orders	N/A

474	CAPA	Sat WMP-31	CaPA_Sat WMP-31	2	CaPA_Sat WMP-31_02	<p>The following questions pertain to PG&E's 2023-2025 WMP Revision 3, submitted on September 27, 2023.</p> <p>Section 8.1.7 - Open Work Orders.</p> <p>On page 530 of your 2023-2025 WMP R3, PG&E provided a table (Table 8-6-1) showing the total number of past due transmission asset work orders by age and HFTD tier. Please provide a similar table for past due distribution asset work orders by age and HFTD tier, as of September 30, 2023.</p> <p>Number of Past Due Distribution Asset Work Orders Categorized by Age</p> <p>Through September 30, 2023</p> <p>HFTD Area</p> <p>0 - 30 Days</p> <p>31 - 60 Days</p> <p>61 - 90 Days</p> <p>91 - 180 Days</p> <p>Non - HFTD</p> <p>HFTD Tier 1</p> <p>HFTD Tier 2</p> <p>HFTD Tier 3</p>	<p>Please see the table below for the requested information.</p> <p>Number of Past Due Distribution Asset Work Orders Categorized by Age</p> <p>Through September 30, 2023</p> <p>HFTD Area 0 - 30 Days 1 - 90 Days 91 - 180 Days 181 - 360 Days</p> <p>Non - HFTD 0 - 30 Days 31 - 60 Days 61 - 90 Days 91 - 180 Days 181 - 360 Days</p> <p>HFTD Tier 1 1,404 18,322 41,287 206,645</p> <p>HFTD Tier 2 1,353 10,817 25,159 68,061</p> <p>HFTD Tier 3 239 2,925 847 60,397</p>	Holly Whitman	10/1/2023	10/26/2023	10/26/2023	0	N/A	8.1.7	Open Work Orders	N/A
475	CAPA	Sat WMP-31	CaPA_Sat WMP-31	3	CaPA_Sat WMP-31_03	<p>The following questions pertain to PG&E's 2023-2025 WMP Revision 3, submitted on September 27, 2023.</p> <p>Section 8.1.7 - Open Work Orders.</p> <p>On page 557 of your 2023-2025 WMP R3, PG&E asked with regard to distribution asset work orders, "PG&E is unable to provide the number of past due asset work orders, categorized by age, in the HFTD team Q1 2023 through Q3 2022."</p> <p>Please list the reasons why PG&E was unable to provide the number of past due asset work orders, categorized by age, in the HFTD, as stated above.</p> <p>Please list any steps PG&E has taken to improve its ability to provide the number of past due asset work orders, categorized by age, in the HFTD.</p>	<p>At the time of filing the 2023-2025 WMP, PG&E did not have the capability to submit the data at the granularity requested. Therefore, PG&E was unable to provide the number of past due asset work orders, and, therefore, utilized the available data from "Table 2, metrics" as a proxy for providing the number of past due asset work orders.</p> <p>Through September 2023, PG&E has improved its "data" extraction capabilities and is now able to provide this data at the requested granularity. This capability has improved by employing additional data systems and creating automated reporting capabilities. This semi-automated process will now allow us to pull data more readily, and at the granularity desired.</p>	Holly Whitman	10/1/2023	10/26/2023	10/26/2023	0	N/A	8.1.7	Open Work Orders	N/A
476	CAPA	Sat WMP-31	CaPA_Sat WMP-31	4	CaPA_Sat WMP-31_04	<p>The following questions pertain to PG&E's 2023-2025 WMP Revision 3, submitted on September 27, 2023.</p> <p>Section 8.1.7 - Open Work Orders.</p> <p>Section 8.1.7.2 - Open Work Orders - Distribution Taps in PG&E's 2023-2025 WMP R3 discusses a subset of open work orders referred to as "spillover" taps. Please provide a table similar to Table 8-6-1 for all past due, spillover-risk, distribution asset work orders by age and HFTD tier, as of September 30, 2023.</p> <p>Number of Spillover Risk Past Due Distribution Asset Work Orders Categorized by Age</p> <p>Through September 30, 2023</p> <p>HFTD Area</p> <p>0 - 30 Days</p> <p>31 - 60 Days</p> <p>61 - 90 Days</p> <p>91 - 180 Days</p> <p>Non - HFTD</p> <p>HFTD Tier 1</p> <p>HFTD Tier 2</p> <p>HFTD Tier 3</p>	<p>Please see the table below for the requested information.</p> <p>Number of "Spillover Risk" Past Due Distribution Asset Work Orders Categorized by Age</p> <p>Through September 30, 2023</p> <p>HFTD Area 0 - 30 Days 31 - 60 Days 61 - 90 Days 91 - 180 Days 181 - 360 Days</p> <p>Non - HFTD 0 - 30 Days 31 - 60 Days 61 - 90 Days 91 - 180 Days 181 - 360 Days</p> <p>HFTD Tier 1 1,191 1,462 23,625 60,312</p> <p>HFTD Tier 2 148 193 753 55,157</p>	Holly Whitman	10/1/2023	10/26/2023	10/26/2023	0	N/A	8.1.7	Open Work Orders	N/A
477	CPUC - SPD (Safety Policy Division)	011	CPUC - SPD (Safety Policy Division)_011	1	CPUC - SPD (Safety Policy Division)_011_01	<p>Provide calculations that justify Table RWPG&E-23-05-3. Explain specifically how Risk Assessment over Lifetime Benefits is calculated from Total Risk (page 85 of PG&E's 2023-2025 Wildlife Mitigation Plan (WMP)).</p> <p>Supplemental Revision Notice Responses</p>	<p>In Critical Issue RWPG&E-23-05, PG&E explained that in response to the Commission decision in the Risk-Based Decision-Making Framework (RDMF) (1) we are in the process of conducting a benefit/cost model. The model will incorporate benefit elements of the mitigation selection decision-making process (i.e. an analytical model). RWPG&E calls this the Wildlife Benefit/Cost Analysis (WBCA) tool. In RWPG&E-23-05, PG&E provided an example of the output from the WBCA model for two mitigation alternatives at two rural segments of Table RWPG&E-23-05-3. PG&E responded to an energy stakeholder request for more information about the WBCA. In that response, PG&E explained that the WBCA had not been fully developed, approved, or implemented under PG&E.</p> <p>We also explained that the worksheet submitted in the 2023-2025 WMP is based on PG&E's Wildlife Distribution Risk Model (WDRM) and not one of the 2023-2025 projects included in the WMP worksheet were selected using the WBCA. The WBCA is being developed to support PG&E's 10-year (2034) undergrounding plan and we anticipate finalizing the WBCA for that submission in 2024. We anticipate eventually using the WBCA to inform project selection for PG&E's long-term undergrounding plan and future WMPs.</p> <p>Because the WBCA is still in development, PG&E is not in a position to respond to either the critical issue or the request for more information.</p>	Henry Swaid	10/1/2023	10/17/2023	10/17/2023	0	N/A	8.1.2.2	Grid Design and System Planning	Undergrounding of electric lines and/or equipment
477	CPUC - SPD (Safety Policy Division)	012	CPUC - SPD (Safety Policy Division)_012	1	CPUC - SPD (Safety Policy Division)_012_01	<p>Provide calculations that justify Table RWPG&E-23-05-3. Explain specifically how Risk Assessment over Lifetime Benefits is calculated from Total Risk (page 85 of PG&E's 2023-2025 Wildlife Mitigation Plan (WMP)).</p> <p>Supplemental Revision Notice Responses</p>	<p>Please see WMP-Discovery012_DR_SPD_01-02007 Attach A for the visual and please note that this worksheet was updated PG&E expects to finalize the start in Q2 of 2024 as part of the Risk Assessment and Mitigation Phase (RAMP) WMP. Please note, there is a non-trivial inconsistency in the visual and the data between the original and current visual data which are included in the attachment.</p>	Henry Swaid	11/1/2023	11/1/2023	11/1/2023	1	N/A	8.1.2.2	Grid Design and System Planning	Undergrounding of electric lines and/or equipment
478	CPUC - SPD (Safety Policy Division)	011	CPUC - SPD (Safety Policy Division)_011_02	2	CPUC - SPD (Safety Policy Division)_011_02_02	<p>Provide a rationale justification that shows the risk from (subsets or other sources) for EPES compared to benefits of EPES (see wildlife, other) SPD model prior to analysis performed using cost/benefit ratios (shown in Table RWPG&E-23-05-3).</p>	<p>Please see PG&E's response to Question 1 of this data request.</p>	Henry Swaid	10/1/2023	10/17/2023	10/17/2023	0	N/A	8.1.2.2	Grid Design and System Planning	Undergrounding of electric lines and/or equipment
479	CAPA	Sat WMP-32	CaPA_Sat WMP-32	1	CaPA_Sat WMP-32_01	<p>Provide the following data for the years 2020, 2021, 2022, and 2023:</p> <p>a) Number of miles of underground distribution that PG&E installed as part of overhead-to-undergrounding conversion projects for the purposes of wildfire risk reduction.</p> <p>b) Number of miles of overhead distribution PG&E removed as part of the same projects in part (a).</p>	<p>Please see the table below with the data requested for subparts a and b:</p> <p>a) Please see row (a) of Table RWPG&E-23-05-3. PG&E included the miles of underground primary distribution lines installed each year 2020-2022 for the purposes of wildfire risk reduction. The data provided in 2023 is year to date through November 1, 2023. In addition to the miles completed, PG&E also has approximately 200 miles currently in progress (i.e., current complete, in construction, trench complete, overhead installed, ready for cable pulling).</p> <p>b) Please see row (b) of Table RWPG&E-23-05-3. PG&E included the estimated miles of overhead primary distribution lines PG&E has removed as part of undergrounding projects for the purposes of wildfire risk reduction. PG&E historically did not track exactly the overhead miles replaced by each project. Therefore, the overhead miles replaced is calculated based on US Miles Completed using a standard conversion factor for rebuilt projects or all other undergrounding projects. For Community rebuild projects (Subs and Overmiles) for every 1.57 miles of US installed, one mile of existing OH lines has been removed. For all other projects, 1.25 miles of US installed equates to one mile of existing OH removed. 2020-2021-2022-2023 Total</p> <p>a) US Miles Completed 42.4 79.2 179.8 208.6 503.9</p> <p>b) OH Miles Removed 27.6 50.8 142.3 166.8 379.6</p>	Holly Whitman	10/1/2023	11/14/2023	11/14/2023	0	N/A	7.2.2.1	Wildfire Mitigation Strategy Development	Projected Overall Risk Reduction
480	CAPA	Sat WMP-32	CaPA_Sat WMP-32	2	CaPA_Sat WMP-32_02	<p>Provide the same information as requested in Question 1 for undergrounding projects that fall into each of the following categories:</p> <p>a) Rule 20 undergrounding.</p> <p>b) Wildfire rebuild undergrounding.</p> <p>c) Any other undergrounding not included in Question 1 or parts a and b of this question.</p>	<p>Please see the table provided below with the data requested for subparts a - c:</p> <p>a) Please see row (a) of Table 20. Included are the undergrounded miles of primary distribution lines in High Fire, Three Districts (HFTD) and/or High Fire Risk Areas (HFRA) as part of the following program:</p> <ul style="list-style-type: none"> Rule 20A - 100% utility funding Rule 20B - partial utility funding Rule 20C - minimal utility funding <p>Please note, this data does not include all Rule 20 projects. It includes only those Rule 20 projects that have been placed in the HFTD/HFRA given the impact of the wildfire risk reduction program.</p> <p>b) Please see row (b) of Table RWPG&E-23-05-3. PG&E included the miles of primary distribution lines completed as part of wildfire rebuild. This includes work in the Fire Rehabilitation Program that is located in HFTD/HFRA, as well as the Community Rebuild program (i.e., Subs and Overmiles).</p> <p>c) Please see row (c) of Table RWPG&E-23-05-3. PG&E included the undergrounded miles of primary distribution lines through PG&E's targeted undergrounding program, as well as targeted projects and work requested by others included in an HFTD/HFRA. Please note, PG&E previously did not track overhead miles replaced. Therefore, the overhead miles replaced is calculated based on US Miles Completed using a standard conversion factor for rebuilt projects or all other undergrounding projects. For WMP-Discovery022_DR_California_ES-02022 Part 2 Community rebuild projects (Subs and Overmiles) for every 1.57 miles of US installed, one mile of existing OH lines has been removed. For all other projects, 1.25 miles of US installed equates to one mile of existing OH removed.</p>	Holly Whitman	10/1/2023	11/14/2023	11/14/2023	0	N/A	8.1.2.2	Grid Design and System Planning	Undergrounding of Electric Lines and/or Equipment - Distribution
481	CAPA	Sat WMP-32	CaPA_Sat WMP-32	3	CaPA_Sat WMP-32_03	<p>Provide copies of all current, site-source contracts PG&E has executed with other entities with regard to any of the following:</p> <p>a) Copies of materials related to distribution undergrounding projects.</p> <p>b) Entities who perform labor related to distribution undergrounding projects.</p> <p>c) Entities who assist PG&E with planning, permitting, environmental review, and other similar non-construction tasks related to distribution undergrounding projects.</p> <p>d) Any other entities who provide goods or services to PG&E in relation to distribution undergrounding projects.</p>	<p>The attachments to the responsive confidentially declaration (WMP-Discovery023_DR_California_ES-02023_Confidentiality Declaration) are being provided pursuant to the accompanying confidentiality declaration (WMP-Discovery023_DR_California_ES-02023_Confidentiality Declaration). PG&E does not have a sub-source contract process that mirrors state and federal site-source contract law. Instead, PG&E has a direct award process that documents contracts that are awarded over certain state thresholds to suppliers that are not preferred suppliers (generally, master services agreement or utility agreement suppliers). PG&E currently uses a Direct Award Documentation (DAD) form to document our direct awards.</p> <p>PG&E identified five direct award contracts that we have executed with entities providing goods and/or services related to ground-level distribution undergrounding projects. The procurement of contracts PG&E awarded included contracts or direct award contracts in 2020 and 2022. The value of the contract spend during that period was greater than \$100,000.</p> <p>The direct award contracts we awarded document the PG&E's underlying awarding process and are attached to the WMP-Discovery023_DR_California_ES-02023_Confidentiality Declaration.pdf</p> <ul style="list-style-type: none"> WMP-Discovery023_DR_California_ES-02023_Confidentiality Declaration.pdf WMP-Discovery023_DR_California_ES-02023_Confidentiality Declaration.pdf WMP-Discovery023_DR_California_ES-02023_Confidentiality Declaration.pdf WMP-Discovery023_DR_California_ES-02023_Confidentiality Declaration.pdf WMP-Discovery023_DR_California_ES-02023_Confidentiality Declaration.pdf <p>Attachments (A-C) are the Direct Award Documentation and Contract, including Contract Change Order for the first vendor who received a direct award contract. Attachments (A-C) are the Direct Award Documentation and Contract for the second vendor who received a direct award contract.</p> <p>a) See response to part a.</p> <p>b) See response to part a.</p> <p>c) See response to part a.</p>	Holly Whitman	10/1/2023	12/1/2023	12/1/2023	5	N/A	8.1.2	Grid Design and System Planning	Grid Design and System Planning

482	CaPA	Sat WMP-32	CaPA_Sat WMP-32	4	CaPA_Sat WMP-32_04	<p>Describe all vegetation management activities that PG&E typically performs around the following line types. In your response to parts (a) through (e), please describe 4 and 5 in detail. Use a PG&E vegetation management activities table that category meaningful effort compared to your response to part (a).</p> <p>1. Ground distribution main located in HFTDFHRA. 2. Ground distribution secondary located in HFTDFHRA. 3. Ground distribution services located in HFTDFHRA. 4) Right-of-way for underground distribution located in HFTDFHRA.</p> <p>a) Will alter the question to address Primary Distribution voltage 44V, 120V, 170V and 210V. The following program legs are on-Distribution: Annual Routine Tree Inspection (system-wide all line miles), resulting pruning and tree removal. Pruning to maintain 18 inches of year-round clearance outside HFTD and HFTA. Pruning to maintain 6 feet of year-round clearance inside HFTD and HFTA and pruning to maintain 4 feet of clearance inside DRAs during the winter. Maintenance of Overhang removal in EVM circuit segments completed 2017-2022 Mitigation up to complete tree removal for hazardous tree conditions identified during these inspections or through PG&E assessment by other inspection programs, customer, or agency notifications. b) Section Plan Tree Inspection in HFTD and HFTA, resulting pruning and tree removal. c) Second inspections approximately 6 months after Annual Routine Inspections to identify emerging hazardous tree conditions. WMP-Discovery(2021)_DR_CalAdvocates_032-0200 Page 2 d) Tree Threats e) Pruning Tree work based on local or tree specific conditions. Address tree response (growth) that annual pruning cannot fully mitigate to maintain compliance with Minimum Clearance Requirements. f) Vegetation Control (Fuel-load maintenance) in GRAAPRAHFTD and HFTA. g) All poles supporting equipment not specifically exempted by 14 CCR 1205. h) Additional inventory in HFTD and HFTA supporting the same equipment bearing inventories in BRSA and FRA. i) These poles are all inventoried and evaluated for risk. j) Low risk poles are not maintained unless conditions change to elevated risk. k) All poles are inventoried and published on the system map. l) All poles are inventoried and published on the system map. m) All poles are inventoried and published on the system map. n) All poles are inventoried and published on the system map. o) All poles are inventoried and published on the system map. p) All poles are inventoried and published on the system map. q) All poles are inventoried and published on the system map. r) All poles are inventoried and published on the system map. s) All poles are inventoried and published on the system map. t) All poles are inventoried and published on the system map. u) All poles are inventoried and published on the system map. v) All poles are inventoried and published on the system map. w) All poles are inventoried and published on the system map. x) All poles are inventoried and published on the system map. y) All poles are inventoried and published on the system map. z) All poles are inventoried and published on the system map.</p>	Holly Whitman	10/31/2023	1/14/2023	1/14/2023	https://www.pge.com/content/dam/pge/docs/2023/03/14/2023-03-14-CA-Advocates-032-0200-Page-2.pdf	0	NA	8.2	Vegetation Management and Inspections	NA
483	CaPA	Sat WMP-32	CaPA_Sat WMP-32	5	CaPA_Sat WMP-32_05	<p>Please estimate the typical, annual cost per mile of vegetation management activities that PG&E performs around the following line types: a) Ground distribution main located in HFTDFHRA. b) Ground distribution secondary located in HFTDFHRA. c) Ground distribution services located in HFTDFHRA. d) Right-of-way for underground distribution located in HFTDFHRA.</p> <p>a) PG&E performs pole loading calculations for every pole in the project. b) In the above characterization correct? Please elaborate if incorrect. c) Does PG&E have a threshold safety factor (or other result from a pole loading calculation) which it replace into a project? d) If yes, please describe PG&E's threshold(s). e) If no, please describe PG&E's threshold(s). f) If not applicable, please see the response to subject (b).</p>	Holly Whitman	10/31/2023	1/14/2023	1/14/2023	https://www.pge.com/content/dam/pge/docs/2023/03/14/2023-03-14-CA-Advocates-032-0200-Page-3.pdf	9	NA	8.2	Vegetation Management and Inspections	NA
484	CaPA	Sat WMP-32	CaPA_Sat WMP-32	6	CaPA_Sat WMP-32_06	<p>Can PG&E understand that, in every project to replace overhead tree distribution with covered conductor, PG&E performs pole loading calculations for every pole in the project? a) PG&E performs pole loading calculations for every pole in the project. b) In the above characterization correct? Please elaborate if incorrect. c) Does PG&E have a threshold safety factor (or other result from a pole loading calculation) which it replace into a project? d) If yes, please describe PG&E's threshold(s). e) If no, please describe PG&E's threshold(s). f) If not applicable, please see the response to subject (b).</p>	Holly Whitman	10/31/2023	1/14/2023	1/14/2023	https://www.pge.com/content/dam/pge/docs/2023/03/14/2023-03-14-CA-Advocates-032-0200-Page-4.pdf	1	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
485	CaPA	Sat WMP-32	CaPA_Sat WMP-32	7	CaPA_Sat WMP-32_07	<p>Please provide the results of all pole loading calculations performed as part of all bare-to-covered conductor replacement projects in 2022 and 2023 (as of October 1, 2023). This should contain the following at minimum: Risk Data. Estimated safety factor before conductor replacement (bare conductor). Estimated safety factor after conductor replacement (covered conductor). Determination of whether the pole needed replacement based on safety factor. Whether the pole was actually replaced. A-C D-G E-NEC H) This information has been included in the attachment, as described in item 1 above. I) PG&E's winding process does not include performing a pole loading calculation of the pole in the configuration prior to covered conductor installation. We model the pole with the covered conductor and equipment for the new project and make a determination as to whether the pole is adequately sized to remain in service. If a pole is not adequately sized to remain in service, the pole is replaced with a larger pole.</p>	Holly Whitman	10/31/2023	1/14/2023	1/14/2023	https://www.pge.com/content/dam/pge/docs/2023/03/14/2023-03-14-CA-Advocates-032-0200-Page-5.pdf	1	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
486	CaPA	Sat WMP-32	CaPA_Sat WMP-32	8	CaPA_Sat WMP-32_08	<p>For each year from 2020 through 2023, please provide ten randomly selected pole loading calculations performed as part of a bare-to-covered conductor replacement project. For these calculations, please provide: The full calculation inputs. The full calculation outputs. Any interpretations associated with the calculation (for example, an engineer's determination that the calculation demonstrates a pole must be replaced).</p>	Holly Whitman	10/31/2023	1/14/2023	1/14/2023	https://www.pge.com/content/dam/pge/docs/2023/03/14/2023-03-14-CA-Advocates-032-0200-Page-6.pdf	1	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
487	OEB	015	OEB_015	1	OEB_015_01	<p>Regulating confirmation of 2024-2025 targets. a) PG&E 2022-2025 WMP Revision 3 Table 8.1.2 (page 555) shows that PG&E expects to close 68,200 backing distribution system risk tags in 2024. PG&E's response in Tables 8.1.2 and 8.1.2.2 shows PG&E does not expect the same expected number of backing system risk tags in 2024. Tables 8.1.2 and 8.1.2.2 show larger numbers of closing 46,000 distribution backing tags in 2024. Confirm PG&E's ability to fulfill its targets to reflect the plan and commitment made in its 2022-2025 WMP Revision 3 Table 8.1.2 (page 555). b) If not, explain the discrepancy between the commitment to close 68,200 backing distribution system risk tags in 2024 and 50,000 backing distribution system risk tags in 2023 (Table 8.1.2, page 555) to the targets outlined in Tables 8.1 and WMP-032-04-2.</p>	Delecia Smith	1/18/2023	1/18/2023	1/18/2023	https://www.pge.com/content/dam/pge/docs/2023/01/18/2023-01-18-CA-Advocates-032-0200-Page-7.pdf	0	NA	8.1.7	Open Work Orders	NA
488	CaPA	Sat WMP-33	CaPA_Sat WMP-33	1	CaPA_Sat WMP-33_01	<p>Please provide an Excel sheet listing (in rows) each asset work order (or "tag") that was open as of June 30, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns: a) Work order ID number b) Equipment type c) HFTD line d) Asset type, Distribution or transmission e) G2 50 Risk 18 priority level of the tag f) 18M-specific priority level (A or B) g) Date the tag was originally created h) Date of the original work order i) Most recent date the work order was retrospectively modified (if applicable) j) Date of the work order after it was retrospectively modified (if applicable) k) Date the work order was completed & closed, if any l) Date work was completed (to match the G2R for G2 of 2023)</p>	Aaron Louie	1/19/2023	1/18/2023	1/18/2023	https://www.pge.com/content/dam/pge/docs/2023/01/19/2023-01-19-CA-Advocates-032-0200-Page-8.pdf	1	NA	8.1.7	Open Work Orders	NA
489	CaPA	Sat WMP-33	CaPA_Sat WMP-33	2	CaPA_Sat WMP-33_02	<p>Please provide an Excel sheet listing (in rows) each asset work order (or "tag") that was open as of September 30, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns: a) Work order ID number b) Equipment type c) HFTD line d) Asset type, Distribution or transmission e) G2 50 Risk 18 priority level of the tag f) 18M-specific priority level (A or B) g) Date the tag was originally created h) Date of the original work order i) Most recent date the work order was retrospectively modified (if applicable) j) Date of the work order after it was retrospectively modified (if applicable) k) Date the work order was completed & closed, if any l) Date work was completed (to match the G2R for G2 of 2023)</p>	Aaron Louie	1/19/2023	1/18/2023	1/18/2023	https://www.pge.com/content/dam/pge/docs/2023/01/19/2023-01-19-CA-Advocates-032-0200-Page-9.pdf	1	NA	8.1.7	Open Work Orders	NA
490	CaPA	Sat WMP-33	CaPA_Sat WMP-33	3	CaPA_Sat WMP-33_03	<p>Please provide an Excel sheet listing (in rows) each asset work order (or "tag") that was open as of November 30, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns: a) Work order ID number b) Equipment type c) HFTD line d) Asset type, Distribution or transmission e) G2 50 Risk 18 priority level of the tag f) 18M-specific priority level (A or B) g) Date the tag was originally created h) Date of the original work order i) Most recent date the work order was retrospectively modified (if applicable) j) Date of the work order after it was retrospectively modified (if applicable) k) Date the work order was completed & closed, if any l) Date work was completed (to match the G2R for G2 of 2023)</p>	Aaron Louie	1/19/2023	1/18/2023	1/18/2023	https://www.pge.com/content/dam/pge/docs/2023/01/19/2023-01-19-CA-Advocates-032-0200-Page-10.pdf	1	NA	8.1.7	Open Work Orders	NA