

Row	CA/PA	Set	WMP-02	CA/PA_Sat	WMP-03	3	CA/PA_Sat	WMP-03_Q3													
15	CA/PA	Sat	WMP-02	CA/PA_Sat	WMP-03	3	CA/PA_Sat	WMP-03_Q3													
16	CA/PA	Sat	WMP-02	CA/PA_Sat	WMP-03	4	CA/PA_Sat	WMP-03_Q4													
17	CA/PA	Sat	WMP-02	CA/PA_Sat	WMP-03	5	CA/PA_Sat	WMP-03_Q5													
18	CA/PA	Sat	WMP-02	CA/PA_Sat	WMP-03	6	CA/PA_Sat	WMP-03_Q6													
19	CA/PA	Sat	WMP-02	CA/PA_Sat	WMP-03	7	CA/PA_Sat	WMP-03_Q7													
20	CA/PA	Sat	WMP-02	CA/PA_Sat	WMP-03	8	CA/PA_Sat	WMP-03_Q8													
21	CA/PA	Sat	WMP-02	CA/PA_Sat	WMP-03	9	CA/PA_Sat	WMP-03_Q9													
22	CA/PA	Sat	WMP-02	CA/PA_Sat	WMP-03	10	CA/PA_Sat	WMP-03_Q10													
23	CA/PA	Sat	WMP-02	CA/PA_Sat	WMP-03	11	CA/PA_Sat	WMP-03_Q11													
24	CA/PA	Sat	WMP-02	CA/PA_Sat	WMP-03	12	CA/PA_Sat	WMP-03_Q12													
25	CA/PA	Sat	WMP-02	CA/PA_Sat	WMP-03	13	CA/PA_Sat	WMP-03_Q13													
26	CA/PA	Sat	WMP-02	CA/PA_Sat	WMP-03	14	CA/PA_Sat	WMP-03_Q14													
27	CA/PA	Sat	WMP-02	CA/PA_Sat	WMP-03	15	CA/PA_Sat	WMP-03_Q15													

38	CaPA	Sat WMP-09	CaPA_Sat WMP-09_07	7	CaPA_Sat WMP-09_07	<p>P: 73 of PG&E's WMP status. "We created a species-specific stress index model for PG&E live health and mortality."</p> <p>a) What is PG&E's species-specific stress index model for live health and mortality? b) How does PG&E utilize its species-specific stress index model to assess and monitor? c) Please describe the data inputs to this model. d) Please describe the outputs of this model.</p> <p>P: 120 of PG&E's WMP status. When conducting VM activities, PG&E employees and contractors must adhere to PG&E's Best Management Practices (BMP) where practicable. BMPs are considered practicable where physically possible and not conflicting with other regulatory obligations or safety considerations (GO 19, Rule 35 and Public Resources Codes 4292 and 4293) in emergency situations.</p> <p>Q: How does PG&E avoid or reduce when adherence to BMPs is not "physically possible"? a) How does PG&E avoid or reduce VM contractors to ensure they are adhering to BMPs where practicable? b) What does PG&E's WMP status indicate if it determines that a VM contractor did not adhere to BMPs where BMPs were practicable, as defined above. c) Please list all instances in 2022 in which PG&E took action to reprimand or sanction a VM contractor for failing to adhere to BMPs where practicable.</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	0	NA	4.4	Overview of WMP	Risk-Informed Framework
39	CaPA	Sat WMP-09	CaPA_Sat WMP-09_08	8	CaPA_Sat WMP-09_08	<p>P: 120 of PG&E's WMP status. When conducting VM activities, PG&E employees and contractors must adhere to PG&E's Best Management Practices (BMP) where practicable. BMPs are considered practicable where physically possible and not conflicting with other regulatory obligations or safety considerations (GO 19, Rule 35 and Public Resources Codes 4292 and 4293) in emergency situations.</p> <p>Q: How does PG&E avoid or reduce when adherence to BMPs is not "physically possible"? a) How does PG&E avoid or reduce VM contractors to ensure they are adhering to BMPs where practicable? b) What does PG&E's WMP status indicate if it determines that a VM contractor did not adhere to BMPs where BMPs were practicable, as defined above. c) Please list all instances in 2022 in which PG&E took action to reprimand or sanction a VM contractor for failing to adhere to BMPs where practicable.</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/12/2023</p> <p>4/12/2023</p>	1	NA	5.4.5	Overview of the Service Territory	Environmental Compliance and Permitting
39	CaPA	Sat WMP-09	CaPA_Sat WMP-09_09REV	9	CaPA_Sat WMP-09_09REV	<p>P: 120 of PG&E's WMP status. When conducting VM activities, PG&E employees and contractors must adhere to PG&E's Best Management Practices (BMP) where practicable. BMPs are considered practicable where physically possible and not conflicting with other regulatory obligations or safety considerations (GO 19, Rule 35 and Public Resources Codes 4292 and 4293) in emergency situations.</p> <p>Q: How does PG&E avoid or reduce when adherence to BMPs is not "physically possible"? a) How does PG&E avoid or reduce VM contractors to ensure they are adhering to BMPs where practicable? b) What does PG&E's WMP status indicate if it determines that a VM contractor did not adhere to BMPs where BMPs were practicable, as defined above. c) Please list all instances in 2022 in which PG&E took action to reprimand or sanction a VM contractor for failing to adhere to BMPs where practicable.</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/12/2023</p> <p>4/13/2023</p>	1	NA	5.4.5	Overview of the Service Territory	Environmental Compliance and Permitting
40	CaPA	Sat WMP-09	CaPA_Sat WMP-09_09	9	CaPA_Sat WMP-09_09	<p>P: 524 of PG&E's WMP status. "The primary target for secondary paths is HF1D and HF1A for excursions and additional areas are included in appropriate address registration associated risk."</p> <p>Q: 201 status. "Beginning in 2023, PG&E will use the annual review of AOC, but we committed to doing in the PG&E-0209 to identify areas subject to Second Patrol."</p> <p>a) Is there a difference between "secondary paths" and "Second Patrol" in the two packages outlined above? b) In 2022, did PG&E's secondary patrol cover the entire HF1D? Please explain your answer. c) In 2023, did PG&E's secondary patrol cover the entire HF1D? Please explain your answer. d) Is PG&E planning to cover lower circuit miles with the entire patrol in 2023? When were covered? 2022? Please explain your answer.</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	0	NA	8.2.2.2	Vegetation Management and Inspections	Distribution Second Patrol
41	CaPA	Sat WMP-09	CaPA_Sat WMP-09_010	10	CaPA_Sat WMP-09_010	<p>P: 542 of PG&E's WMP status. "In July 2021, PG&E launched a multi-year program to underground 10,000 distribution circuit miles to high wildfire risk areas."</p> <p>Q: Since the July 2021 announcement of a 10,000-mile undergrounding program, has PG&E performed any studies to determine whether increased scope is warranted? a) Please provide any available studies, analyses, reports, or workpapers pertinent to your answer to part (a). b) Does PG&E plan to perform any studies or analyses during the 2023-2025 WMP period to determine whether 10,000 circuit miles is still the appropriate scope to support undergrounding? c) If the answer to part (b) is yes, please describe the planned scope and timing of such studies. d) If the answer to part (b) is no, please explain why.</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	2	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
42	CaPA	Sat WMP-09	CaPA_Sat WMP-09_011	11	CaPA_Sat WMP-09_011	<p>P: 960 of PG&E's WMP status. "On average, it takes 1-2.5 hours/mile to replace 1 OH mile. However, at times the replacement can take up to 4 hours/mile."</p> <p>Q: Does PG&E target a range of 10,000 miles of undergrounding relative to the number of OH circuit miles to be removed underground, or the number of underground circuits to be installed?</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	0	NA	Appendix D	Assess for Continued Improvement	ACI PG&E-2023-04 - Review Process of Planning Wildfire Mitigation
43	CaPA	Sat WMP-09	CaPA_Sat WMP-09_012	12	CaPA_Sat WMP-09_012	<p>a) What is PG&E's current forecast cost per circuit-mile for undergrounding projects completed in the second half of 2022? b) Please provide workpapers to support your answer to part (a).</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
44	CaPA	Sat WMP-09	CaPA_Sat WMP-09_013	13	CaPA_Sat WMP-09_013	<p>a) What is PG&E's forecast RSE for undergrounding completed in the second half of 2022? b) Please provide workpapers to support your answer to part (a).</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
45	CaPA	Sat WMP-09	CaPA_Sat WMP-09_014	14	CaPA_Sat WMP-09_014	<p>a) What is PG&E's current forecast cost per circuit-mile for covered conductor projects completed in the second half of 2022? b) Please provide workpapers to support your answer to part (a).</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	1	NA	8.1.2.5	Grid Design and System Hardening	Traditional Overhead Hardening - Transmission Conductor and Distribution
46	CaPA	Sat WMP-09	CaPA_Sat WMP-09_015	15	CaPA_Sat WMP-09_015	<p>a) What is PG&E's forecast RSE for covered conductor system hardening completed in the second half of 2022? b) Please provide workpapers to support your answer to part (a).</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	0	NA	8.1.2.5	Grid Design and System Hardening	Traditional Overhead Hardening - Transmission Conductor and Distribution
47	CaPA	Sat WMP-09	CaPA_Sat WMP-09_016	16	CaPA_Sat WMP-09_016	<p>In response to a risk-based California/PG&E 2023 WMP-03, question 7c, PG&E status: "The primary approach for selecting miles to use low dielectric polypropylene (LDP) Top 20 percent circuit segments based on the 2021 WORM v3 and the 2021 Feasibility Study (WORM) v3E is based on the 2021 WORM v3 and the 2021 WORM v3E, as described below. For each circuit segment, provide the following attributes as below: a) Circuit ID number b) Circuit segment name c) WORM v3 risk score d) WORM v3E risk score e) Feasibility factor f) WFE score as defined on p. 969 of PG&E's WMP 03 WFE WFEs."</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	1	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
48	CaPA	Sat WMP-10	CaPA_Sat WMP-10_01	1	CaPA_Sat WMP-10_01	<p>Table 8-3 on p. 332 of PG&E's WMP status that PG&E will make capable for Down Conductor Detection (DCD) 1,800 devices in 2023. a) 1,800 devices in 2024 and b) 1,800 devices in 2025. c) Please explain the reasoning for the decreasing number of devices made capable for DCD from 2023-2025. Is approximately how many circuit miles in the FTW will be protected by DCD at the end of 2023?</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/10/2023</p> <p>4/10/2023</p>	0	NA	8.1.1.2	Grid Design, Operations, and Maintenance	Targets
49	CaPA	Sat WMP-10	CaPA_Sat WMP-10_02	2	CaPA_Sat WMP-10_02	<p>Table 8-5 on p. 336 of PG&E's WMP status has a forecast reduction in the number of EPSS events of one to two events annually from 2022-2025. a) What factors does PG&E expect to contribute to the reduction in the number of EPSS events discussed above? b) What is PG&E's forecast reliability reduction in the number of EPSS events from 2022-2025? c) Please provide any available workpapers that support PG&E's forecasts regarding the number of EPSS events annually in 2023-2025.</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/10/2023</p> <p>4/10/2023</p>	0	NA	8.1.1.3	Grid Design, Operations, and Maintenance	Performance Metrics Identified by the Electrical Company
50	CaPA	Sat WMP-10	CaPA_Sat WMP-10_03	3	CaPA_Sat WMP-10_03	<p>a) Does PG&E forecast a change in the average duration of EPSS events during the 2023-2025 period? b) If the answer to part (a) is yes, provide the expected average duration of EPSS events for 2023, 2024, and 2025. c) If the answer to part (a) is no, please explain why not. d) Please provide any available workpapers that support PG&E's forecasts regarding the duration of EPSS events in 2023-2025.</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/10/2023</p> <p>4/10/2023</p>	0	NA	8.1.1.3	Grid Design, Operations, and Maintenance	Performance Metrics Identified by the Electrical Company

51	CaPA	Sat WMP-10	CaPA_Sat WMP-10	4	CaPA_Sat WMP-10_Q4	<p>P-385 of PG&E's WMP status, with regard to DTS-FAST</p> <p>A positive field test installation was completed on a 15kV tower in Martinez and a wood pole in Santa Cruz in 2022. The results require further work to be completed to determine ongoing, weather-related, and other related issues. In 2022, we filed a non-urgent patent application for DTS-FAST. For 2023, we have no field installation plans set for working through the patent examination process.</p> <p>What are the next steps PG&E plans to take in 2023 to further develop DTS-FAST?</p> <p>Through the end of 2022, how much has PG&E spent on DTS-FAST?</p> <p>What portion of your response is related to the patent and examination process?</p> <p>What are your forecast costs for DTS-FAST through the 2023-2025 period?</p> <p>What portion of your response is paid for in related to the patent application and examination process?</p>	Holly Whitman	4/4/2023	4/10/2023	4/10/2023	0	NA	8.1.2.8.2	Grid Design and System Hardening	Emerging Grid Hardening Technology (Innovations and Pilots)
52	CaPA	Sat WMP-10	CaPA_Sat WMP-10	5	CaPA_Sat WMP-10_Q5	<p>P-351 of PG&E's WMP status, if deployed, DTS-FAST could have a significant impact on wildfire risk where expected?</p> <p>Please quantify the phrase "a significant impact on wildfire risk" in the above quote.</p> <p>Please provide any other information or studies to support your answer to part (a).</p>	Holly Whitman	4/4/2023	4/10/2023	4/10/2023	0	NA	8.1.2.8.1	Grid Design and System Hardening	Emerging Grid Hardening Technology (Innovations and Pilots)
53	CaPA	Sat WMP-10	CaPA_Sat WMP-10	6	CaPA_Sat WMP-10_Q6	<p>P-464 of PG&E's WMP status, in 2022, we reduced the Customer Average Interruption Duration Index (CAIDI) and Customer Experience (CX) Score (CESI) for customers served by EPSS-capable lines in compliance with the 2021 program plan.</p> <p>What are the CAIDI and CESI for all EPSS customers for each year from 2019-2022?</p> <p>Please provide the CESI value for all EPSS customers for each year from 2019-2022.</p>	Holly Whitman	4/4/2023	4/10/2023	4/10/2023	1	NA	8.1.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
54	CaPA	Sat WMP-10	CaPA_Sat WMP-10	7	CaPA_Sat WMP-10_Q7	<p>P-464 of PG&E's WMP status, by the end of 2022, we responded to 89 percent of outages on EPSS-enabled lines within 60 minutes, responding on average within 42 minutes. For all outages on EPSS-enabled lines within 60 minutes, responding on average within 42 minutes.</p> <p>What are the 42-minute figure in an average of response times in what percent of line?</p>	Holly Whitman	4/4/2023	4/10/2023	4/10/2023	0	NA	8.1.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
55	CaPA	Sat WMP-10	CaPA_Sat WMP-10	8	CaPA_Sat WMP-10_Q8	<p>P-464 of PG&E's WMP status, by the end of 2022, we responded to 89 percent of outages on EPSS-enabled lines within 60 minutes, responding on average within 42 minutes. For all outages on EPSS-enabled lines within 60 minutes, responding on average within 42 minutes.</p> <p>What are the 42-minute figure in an average of response times in what percent of line?</p>	Holly Whitman	4/4/2023	4/10/2023	4/10/2023	0	NA	8.1.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
56	CaPA	Sat WMP-10	CaPA_Sat WMP-10	9	CaPA_Sat WMP-10_Q9	<p>P-464 of PG&E's WMP status, by the end of 2022, we responded to 89 percent of outages on EPSS-enabled lines within 60 minutes, responding on average within 42 minutes. For all outages on EPSS-enabled lines within 60 minutes, responding on average within 42 minutes.</p> <p>What are the 42-minute figure in an average of response times in what percent of line?</p>	Holly Whitman	4/4/2023	4/10/2023	4/10/2023	0	NA	8.1.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
57	CaPA	Sat WMP-10	CaPA_Sat WMP-10	10	CaPA_Sat WMP-10_Q10	<p>P-441 of PG&E's WMP status, "We plan to implement a QA (quality assurance) program for systems inspections."</p> <p>When does PG&E expect to implement a QA program for systems inspections?</p> <p>What are the possible limitations of the QA program that PG&E plans to implement?</p>	Holly Whitman	4/4/2023	4/10/2023	4/10/2023	0	NA	8.1.1	Quality Assurance and Quality Control	Quality Assurance
58	CaPA	Sat WMP-10	CaPA_Sat WMP-10	11	CaPA_Sat WMP-10_Q11	<p>P-441 of PG&E's WMP status, "We plan to update existing OVI (quality verification) procedures for systems inspections."</p> <p>When does PG&E expect to update existing OVI procedures for systems inspections?</p> <p>What are the possible limitations of the OVI program that PG&E plans to implement?</p>	Holly Whitman	4/4/2023	4/10/2023	4/10/2023	0	NA	8.1.1	Quality Assurance and Quality Control	Quality Assurance
59	CaPA	Sat WMP-10	CaPA_Sat WMP-10	12	CaPA_Sat WMP-10_Q12	<p>P-450 of PG&E's WMP status, "Along with reducing wildfire risk related to basing ignition risk tags in HFTDFRFA, new EC notifications identified after January 14, 2021 HFTDFRFA ignition risk tags will be completed in compliance with GO 95 rule 18 8 minutes. During external factors."</p> <p>What are the external factors those EC notifications may prevent from completing HFTDFRFA ignition risk tags in compliance with GO 95 rule 18 8 minutes?</p> <p>For each external factor identified in part (a), what is PG&E's plan to mitigate the effect the external factor may have?</p> <p>During the period from 2023-2025, will PG&E complete new ignition risk tags in compliance with GO 95 rule 18 8 minutes for those ignition risk tags located outside the HFTDFRFA? Please explain your answer.</p>	Holly Whitman	4/4/2023	4/10/2023	4/10/2023	0	NA	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags
60	CaPA	Sat WMP-10	CaPA_Sat WMP-10	13	CaPA_Sat WMP-10_Q13	<p>Table PG&E-1.1.3 (up to 451 of PG&E's WMP status, "Field Safety Assessment (FSR) performed annually or more frequently to confirm Priority E notification has not exceeded to Priority A or B."</p> <p>When does PG&E expect to update the priority of a notification? Please explain your answer.</p> <p>When does PG&E expect to update the priority of a notification? Please explain your answer.</p> <p>When does PG&E expect to update the priority of a notification? Please explain your answer.</p>	Holly Whitman	4/4/2023	4/10/2023	4/10/2023	0	NA	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags
61	CaPA	Sat WMP-10	CaPA_Sat WMP-10	14	CaPA_Sat WMP-10_Q14	<p>Table PG&E-1.1.3 (up to 451 of PG&E's WMP status, "Field Safety Assessment (FSR) performed annually or more frequently to confirm Priority E notification has not exceeded to Priority A or B."</p> <p>When does PG&E expect to update the priority of a notification? Please explain your answer.</p> <p>When does PG&E expect to update the priority of a notification? Please explain your answer.</p> <p>When does PG&E expect to update the priority of a notification? Please explain your answer.</p>	Holly Whitman	4/4/2023	4/10/2023	4/10/2023	0	NA	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags

Row Number	Agency	Request	Response	Comments	Response Date	Review Date	Final Decision	Impact	Other	Notes					
105	CAFA	Set WMP-12	CaPA_SetWMP-12_03	3	CaPA_SetWMP-12_03	Regarding Table 9-2 (List of Frequently De-energized Circuits) in Appendix F of PG&E's WMP, distribution circuit Early Numbers 3, 4, 6, 13, 14, 19, 20, 21, 22, 23, 24, 25, 27, 32, 35, 45, 46, 51, 52, 53, 60, 61, 64, 65, 67, 69, 72, 73, 75, 76, 78, 79, 81, 82, 83, 84, 85, 91, 94, 96, 99, 100, 101, 102, 104, 106, 107, 108, 110, 114, 115, 116, 123, 124, 127, 129, 130, 132, 133, 140, 142, 145, 147, 149, 150, 154, 158, 159, 164, 165, 168, 170, 171, 175, 180, 181, 182, 184, 186, 189, 191	Holly Whitman	4/8/2023	4/11/2023	4/11/2023	0	NA	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-energized Circuits
106	CAFA	Set WMP-12	CaPA_SetWMP-12_04	4	CaPA_SetWMP-12_04	Regarding Table 9-2 (List of Frequently De-energized Circuits) in Appendix F of PG&E's WMP, distribution circuit Early Numbers 3, 4, 6, 13, 14, 19, 20, 21, 22, 23, 24, 25, 27, 32, 35, 45, 46, 51, 52, 53, 60, 61, 64, 65, 67, 69, 72, 73, 75, 76, 78, 79, 81, 82, 83, 84, 85, 91, 94, 96, 99, 100, 101, 102, 104, 106, 107, 108, 110, 114, 115, 116, 123, 124, 127, 129, 130, 132, 133, 140, 142, 145, 147, 149, 150, 154, 158, 159, 164, 165, 168, 170, 171, 175, 180, 181, 182, 184, 186, 189, 191	Holly Whitman	4/8/2023	4/11/2023	4/11/2023	0	NA	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-energized Circuits
107	CAFA	Set WMP-12	CaPA_SetWMP-12_05	5	CaPA_SetWMP-12_05	Regarding Table 9-2 (List of Frequently De-energized Circuits) in Appendix F of PG&E's WMP, distribution circuit Early Numbers 103, 195, 197, 198, 199, 201, 202, 203, 204, 205, 206, 208, 209, 210, 211, 212, 213, 215, 217, 218, 219, 221, 222, 223, 224, 226, 228, 229, 231, 232, 233, 234, 236, 238	Holly Whitman	4/8/2023	4/11/2023	4/11/2023	0	NA	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-energized Circuits
108	CAFA	Set WMP-12	CaPA_SetWMP-12_06	6	CaPA_SetWMP-12_06	PG&E's WMP p. 751, Section 9.1.2, states that "This table [Table 9-2] also includes the mitigation measures taken or planned to be taken to reduce the likelihood of PSPS on these circuits." Regarding Table 9-2 (List of Frequently De-energized Circuits) in Appendix F of PG&E's WMP, the only planned action listed in Table 9-2 is regarding "MSD or minor installation or replacement plan"	Holly Whitman	4/8/2023	4/11/2023	4/11/2023	0	NA	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-energized Circuits
109	CAFA	Set WMP-12	CaPA_SetWMP-12_07	7	CaPA_SetWMP-12_07	Regarding ACI PG&E-20-25 (Quantity Migration Benefits of Restoring PSPS State, Scope, and Frequency) on WMP, 9/27/23. Please explain why the table shows customer impacts in terms of individual PSPS mitigation for only rest migration metrics (i.e., undergrounding and MSD), while other metrics (e.g., undergrounding, reenergizing, and MSD) are not included in the table. Is this PG&E's analysis of customer impacts for other areas to be included in the table? If not, please explain why.	Holly Whitman	4/8/2023	4/11/2023	4/11/2023	0	NA	Appendix D	Area for Continued Improvement	ACI PG&E-20-25 - Quantity Migration Benefits of Restoring PSPS State, Scope, and Frequency
110	CAFA	Set WMP-12	CaPA_SetWMP-12_08	8	CaPA_SetWMP-12_08	Regarding Section 9.2 (Outline of Tactical and Strategic Decision-Making Protocol for Initiating a PSPS/PSPS) in the Decision Tree, subsection "Decision to De-energize." The WMP p. 799 states in part that "The CIC will determine whether alternatives to de-energization are infeasible." a) Please describe the alternatives to de-energization that are considered. b) Please state the basis of PG&E's decision regarding such alternatives to de-energization. c) Please describe how CIC determines whether such alternatives are adequate or infeasible.	Holly Whitman	4/8/2023	4/11/2023	4/11/2023	0	NA	9.2.3	Public Safety Power Shutoff	Outline of Tactical and Strategic Decision-Making Protocol for Initiating PSPS/PSPS (Such as Decision Tree)
111	CAFA	Set WMP-12	CaPA_SetWMP-12_09	9	CaPA_SetWMP-12_09	Regarding WMP p. 793, Section 9.2 (Protocol for Mitigating the Public Safety Impacts of PSPS, Including Impacts on First Responders, Health Care Facilities, Operations of Telecommunication Infrastructure, and Water Distribution Infrastructure) subsection "Communication" under "Prepared Disaster Personnel." a) Does PG&E rely on third-party or pre-authorized emergency customers of other specific resources as available, such as: i) fire stations? ii) police stations? iii) other emergency services? iv) other emergency services? v) other emergency services? vi) other emergency services? b) If the answer to part (a) is yes, how far in advance of a potential PSPS event does PG&E notify third-party or pre-authorized emergency customers of other specific resources as available, such as: i) fire stations? ii) police stations? iii) other emergency services? iv) other emergency services? v) other emergency services? vi) other emergency services? c) Please provide an example of a map that has been provided to pertinent agencies.	Holly Whitman	4/8/2023	4/11/2023	4/11/2023	1	NA	9.2.4	Public Safety Power Shutoff	Protocol for Mitigating the Public Safety Impacts of PSPS, Including Impacts on First Responders, Health Care Facilities, Operations of Telecommunication Infrastructure, and Water Distribution Infrastructure
112	CAFA	Set WMP-12	CaPA_SetWMP-12_10	10	CaPA_SetWMP-12_10	Regarding PSPS and its relationship with EPSS follow-up. a) Please describe the decision-making process for a situation in which PG&E anticipates PSPS conditions but decides to utilize EPSS instead. b) Please describe the decision-making process for a situation in which PG&E anticipates PSPS conditions but decides to utilize EPSS instead of PSPS. c) Please describe the decision-making process for a situation in which PG&E anticipates PSPS conditions but decides to utilize EPSS instead of PSPS. d) Please describe how PG&E utilizes EPSS during a PSPS event period.	Holly Whitman	4/8/2023	4/11/2023	4/11/2023	0	NA	NA	Public Safety Power Shutoff & CIC Operations and Procedures	NA

160	CAFA	Sat WMP-15	CaPA_Sat WMP-15_01	11	CaPA_Sat WMP-15_01	<p>PSGE states in its response to Question 4 (j)(i) of Caliber/CAFA-PSGE-2022WMP-08 that the scope of work for Focused Tree Inspections (FTI) is:</p> <p>Complete a focused tree inspection pilot project of ~300 DM line miles in 2023 to evaluate protocols and optimize effectiveness. Inspections will follow Tree Risk Assessment Qualification (TRAQ) Certified Arborists. Tree mitigations will be determined as necessary based on site and individual tree conditions. Pilots will begin in Q2 2023 and are expected to inform detailed SCOW during the regional implementation.</p> <p>If/When was the initial scope of 300 DM line miles determined?</p> <p>If/When was the final TRAQ assessment completed? Will it address tree mitigations "as necessary" within the above-stated scope of work and within the FTI program?</p> <p>If/When will the final "regional implementation" of the above address?</p> <p>If/When clarify whether the scope referenced above is 300 line miles or 300 critical miles. A Caliber/CAFA understands "line miles" to typically refer to actual miles of conductors, such that one critical mile of a three-phase circuit would be approximately three line miles.</p>	<p>With a goal to identify regional variable AOC to pilot the initial program for the ACCE, we selected (see response to Question 10). The 300 miles represents 10% of the total miles of DM line miles in the system. We are currently in the process of identifying the 300 miles for 2023 and will be beginning work to inspect and assess. TRAQ Certified Arborists with the additional TRAQ certification can inspect utility best standards and guides to identify, evaluate, perform appropriate response level(s) and determine if a tree needs to be removed or if a tree can be retained.</p> <p>If/When was the final TRAQ assessment completed? Will it address tree mitigations "as necessary" within the above-stated scope of work and within the FTI program?</p> <p>If/When will the final "regional implementation" of the above address?</p> <p>If/When clarify whether the scope referenced above is 300 line miles or 300 critical miles. A Caliber/CAFA understands "line miles" to typically refer to actual miles of conductors, such that one critical mile of a three-phase circuit would be approximately three line miles.</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	0	NA	8.2.2.25	Vegetation Management and Inspections	Focused Tree Inspections
161	CaPA	Sat WMP-15	CaPA_Sat WMP-15_02	12	CaPA_Sat WMP-15_02	<p>PSGE states in its response to Question 4 (h)(ii) of Caliber/CAFA-PSGE-2022WMP-08 that "With respect to both safety and effectiveness, it is anticipated that more regional guidance will allow faster completion of work and less on-site variability."</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p>	<p>The following clarifications are to provide more detail on what "more regional guidance" is intended to accomplish. Guidance associated with both utility and data collection is expected to be provided more quickly to support the FTI pilot. The strategy, approach and work plan are expected to be reviewed prior to launch. The data is an additional element of the program that will be reviewed with the FTI pilot. The data will be used to inform the FTI pilot and will be used to inform the FTI pilot. The data will be used to inform the FTI pilot and will be used to inform the FTI pilot.</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	0	NA	8.2.2.25	Vegetation Management and Inspections	Focused Tree Inspections
162	CaPA	Sat WMP-15	CaPA_Sat WMP-15_03	13	CaPA_Sat WMP-15_03	<p>PSGE states in its response to Question 4 (i) of Caliber/CAFA-PSGE-2022WMP-08 that "The use of all materials not identified for the FTI program, FTI will use TRAQ Certified Arborists to perform inspections of all materials not identified for the FTI program. Some trees will be trimmed and other will be removed to address associated risk to the inspection process."</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p>	<p>Level 1 inspections are to be performed during pilots. Site specific and tree specific conditions will inform decisions made under Level 1 inspections. Inspections are needed to determine if a tree needs to be completely removed or trimmed to mitigate risks between inspection cycles in the ACCE. Guidance provided in the Caliber/CAFA Tree Risk Assessment Manual (TRAM) is to be used to inform decisions made under Level 1 inspections. Inspections are needed to determine if a tree needs to be completely removed or trimmed to mitigate risks between inspection cycles in the ACCE. Guidance provided in the Caliber/CAFA Tree Risk Assessment Manual (TRAM) is to be used to inform decisions made under Level 1 inspections.</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	1	NA	8.2.2.25	Vegetation Management and Inspections	Focused Tree Inspections
163	CaPA	Sat WMP-15	CaPA_Sat WMP-15_04	14	CaPA_Sat WMP-15_04	<p>PSGE states in its response to Question 6 (f) of Caliber/CAFA-PSGE-2022WMP-08 that "PSGE has performed lead testing which has shown DCCD is able to detect and de-energize downed conductors reducing ignition risk where needed."</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p>	<p>DCCD led testing was formally conducted at AT&S in 2022 to validate DCCD effectiveness to detect and de-energize downed conductors, as well as calibration, troubleshooting, timing, maintenance, and debugging. The tests were designed to assess high impedance fault conditions experienced in the system such as a tree leaning on energized conductor, or an energized conductor lying on soil, concrete, and various line feeds. These tests successfully demonstrated that DCCD was able to detect the high impedance fault conditions and de-energize the line.</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	1	NA	8.2.4	Vegetation Management and Inspections	Fault Mitigation
164	CaPA	Sat WMP-15	CaPA_Sat WMP-15_05	15	CaPA_Sat WMP-15_05	<p>PSGE states in its response to Question 7 (b) of Caliber/CAFA-PSGE-2022WMP-08 that "Should a program fall below 95% pass rate, each back test will be developed in partnership with VM execution to mitigate for specific test conditions."</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p>	<p>A Catch Back is a recovery plan developed after project milestones are not met. The Catch Back Plan is developed by the project owner with stakeholders, and includes the specific project, courier measurements, data set, revised issue data, cleared issue data.</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	0	NA	8.2.5	Vegetation Management and Inspections	Quality Assurance/Quality Control
165	CaPA	Sat WMP-15	CaPA_Sat WMP-15_06	16	CaPA_Sat WMP-15_06	<p>PSGE states in its response to Question 7 (c) of Caliber/CAFA-PSGE-2022WMP-08 that "Improved quality metrics have been established for 2023, allowing for greater insight into overall VM work product throughout and via identification of risks. Check definitions of acceptance criteria, sampling methodology, population eligibility, and pass rate calculations were established and communicated across the VM organization prior to beginning 2023 work."</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p>	<p>Quality Control - Quality Assurance was implemented as a comprehensive system of acceptance and delivery control. The "improved quality metrics" mean that PSGE has implemented comprehensive layers of production checks (described below):</p> <p>(1) In each of the primary VM programs (Route Distribution, Route Transmission, and Vegetation Control (PFD)), a comprehensive quality management system which has been established to ensure quality control.</p> <p>(2) This year, PSGE O&M has designed standard workbooks and processes that ensure these are used and applications steps for work execution that align with industry best practices.</p> <p>(3) PSGE O&M has designed standard workbooks and processes that ensure these are used and applications steps for work execution that align with industry best practices.</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	0	NA	8.2.5.1	Vegetation Management and Inspections	Quality Assurance and Quality Verification
166	CaPA	Sat WMP-15	CaPA_Sat WMP-15_07	17	CaPA_Sat WMP-15_07	<p>PSGE states in its response to Question 7 (d) of Caliber/CAFA-PSGE-2022WMP-08 that "For Routine and Second Patrol, PSGE does not currently have standards specific to high-risk species," but that species types will be incorporated into Focused Tree Inspections pilots in 2023. A determination will be made specific to high-risk species as its guidance is formalized following the pilot."</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p>	<p>As a result of just one factor of many that PSGE takes into account to identify the higher risk trees, these trees identified during routine and second patrol inspection cycles that require mitigation per PRC-029 and C-026/046 are expected to be identified and listed for each region/area of species.</p> <p>(a) As described in response to Caliber/CAFA-PSGE-2022WMP-08 (7), the Focused Tree Inspections (FTI) is being piloted within Areas of Concern (AOC). The development and testing of using species of high-risk species may vary from development of program-specific guidance that address regional high-risk species. PSGE will not determine which programs are best to incorporate species specific guidance due to regional variability. The development of any standards related to high-risk species will be incorporated and completed upon completion of FTI 2023.</p> <p>(b) Development of any standards related to high-risk species is still being determined and completed upon completion of FTI 2023.</p> <p>(c) Development of any standards related to high-risk species is still being determined and completed upon completion of FTI 2023.</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	0	NA	8.2.5.6	Vegetation Management and Inspections	High-Risk Species
167	CaPA	Sat WMP-15	CaPA_Sat WMP-15_08	18	CaPA_Sat WMP-15_08	<p>PSGE states in its response to Question 16 (b) of Caliber/CAFA-PSGE-2022WMP-08 that "The Quality Management team has started an ongoing trial run of 80% for Field Quality Control Active Observation Program for the following core vegetation management programs: Route Distribution, Second Patrol Distribution, Vegetation Control, and Routine Distribution."</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p>	<p>PSGE has just one factor of many that PSGE takes into account to identify the higher risk trees, these trees identified during routine and second patrol inspection cycles that require mitigation per PRC-029 and C-026/046 are expected to be identified and listed for each region/area of species.</p> <p>(a) As described in response to Caliber/CAFA-PSGE-2022WMP-08 (7), the Focused Tree Inspections (FTI) is being piloted within Areas of Concern (AOC). The development and testing of using species of high-risk species may vary from development of program-specific guidance that address regional high-risk species. PSGE will not determine which programs are best to incorporate species specific guidance due to regional variability. The development of any standards related to high-risk species will be incorporated and completed upon completion of FTI 2023.</p> <p>(b) Development of any standards related to high-risk species is still being determined and completed upon completion of FTI 2023.</p> <p>(c) Development of any standards related to high-risk species is still being determined and completed upon completion of FTI 2023.</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	2	NA	8.2.5.6	Vegetation Management and Inspections	High-Risk Species
168	CaPA	Sat WMP-15	CaPA_Sat WMP-15_09	19	CaPA_Sat WMP-15_09	<p>In its response to Question 5 of Caliber/CAFA-PSGE-2022WMP-08, PSGE provides the following table of actual and forecasted costs for vegetation management programs: PSGE further states that "The EVM Transitional program for VM and Focused Tree Inspections, VM and Operational Mitigation, and Tree Removal/Restoration."</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p>	<p>PSGE has just one factor of many that PSGE takes into account to identify the higher risk trees, these trees identified during routine and second patrol inspection cycles that require mitigation per PRC-029 and C-026/046 are expected to be identified and listed for each region/area of species.</p> <p>(a) As described in response to Caliber/CAFA-PSGE-2022WMP-08 (7), the Focused Tree Inspections (FTI) is being piloted within Areas of Concern (AOC). The development and testing of using species of high-risk species may vary from development of program-specific guidance that address regional high-risk species. PSGE will not determine which programs are best to incorporate species specific guidance due to regional variability. The development of any standards related to high-risk species will be incorporated and completed upon completion of FTI 2023.</p> <p>(b) Development of any standards related to high-risk species is still being determined and completed upon completion of FTI 2023.</p> <p>(c) Development of any standards related to high-risk species is still being determined and completed upon completion of FTI 2023.</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	0	NA	8.2.5.2	Vegetation Management and Inspections	Quality Control
169	CaPA	Sat WMP-15	CaPA_Sat WMP-15_020	20	CaPA_Sat WMP-15_020	<p>In its response to Question 15(a) of Caliber/CAFA-PSGE-2022WMP-08, PSGE says "We do not have a source for healthy dormant seed data for individual trees and are unable to provide the same data for individual trees. However, PSGE can provide a source for tracking planned work for individual trees."</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p>	<p>PSGE has just one factor of many that PSGE takes into account to identify the higher risk trees, these trees identified during routine and second patrol inspection cycles that require mitigation per PRC-029 and C-026/046 are expected to be identified and listed for each region/area of species.</p> <p>(a) As described in response to Caliber/CAFA-PSGE-2022WMP-08 (7), the Focused Tree Inspections (FTI) is being piloted within Areas of Concern (AOC). The development and testing of using species of high-risk species may vary from development of program-specific guidance that address regional high-risk species. PSGE will not determine which programs are best to incorporate species specific guidance due to regional variability. The development of any standards related to high-risk species will be incorporated and completed upon completion of FTI 2023.</p> <p>(b) Development of any standards related to high-risk species is still being determined and completed upon completion of FTI 2023.</p> <p>(c) Development of any standards related to high-risk species is still being determined and completed upon completion of FTI 2023.</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	0	NA	8.2.3.4	Vegetation Management and Inspections	Fault Mitigation
170	TURN	004	TURN_004	1	TURN_004_01	<p>Following up on the response to TURN Data Request 1, Question 2, please provide PSGE's data showing the recorded reliability improvement at locations that have been undergrounded and/or have been hardened with covered conductor" that will be assessed in the study plan for completion on June 30, 2023.</p>	<p>PSGE has just one factor of many that PSGE takes into account to identify the higher risk trees, these trees identified during routine and second patrol inspection cycles that require mitigation per PRC-029 and C-026/046 are expected to be identified and listed for each region/area of species.</p> <p>(a) As described in response to Caliber/CAFA-PSGE-2022WMP-08 (7), the Focused Tree Inspections (FTI) is being piloted within Areas of Concern (AOC). The development and testing of using species of high-risk species may vary from development of program-specific guidance that address regional high-risk species. PSGE will not determine which programs are best to incorporate species specific guidance due to regional variability. The development of any standards related to high-risk species will be incorporated and completed upon completion of FTI 2023.</p> <p>(b) Development of any standards related to high-risk species is still being determined and completed upon completion of FTI 2023.</p> <p>(c) Development of any standards related to high-risk species is still being determined and completed upon completion of FTI 2023.</p>	Tom Long	4/12/2023	4/17/2023	4/17/2023	1	Yes	8.1.1.2	Old Design and System Hardening	Hardening of Electric Lines and/or Equipment - Distribution
171	TURN	004	TURN_004	2	TURN_004_02	<p>Regarding Table PSGE-22-351 (PSPS Events Lookback Analysis) on page 57 of PSGE's 2022-2023 WMP-08, each customer with a non-zero, provide a verbal description of any repair data and of how the repair was calculated.</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p> <p>How does the proposed regional guidance differ from the current guidance?</p>	<p>PSGE has just one factor of many that PSGE takes into account to identify the higher risk trees, these trees identified during routine and second patrol inspection cycles that require mitigation per PRC-029 and C-026/046 are expected to be identified and listed for each region/area of species.</p> <p>(a) As described in response to Caliber/CAFA-PSGE-2022WMP-08 (7), the Focused Tree Inspections (FTI) is being piloted within Areas of Concern (AOC). The development and testing of using species of high-risk species may vary from development of program-specific guidance that address regional high-risk species. PSGE will not determine which programs are best to incorporate species specific guidance due to regional variability. The development of any standards related to high-risk species will be incorporated and completed upon completion of FTI 2023.</p> <p>(b) Development of any standards related to high-risk species is still being determined and completed upon completion of FTI 2023.</p> <p>(c) Development of any standards related to high-risk species is still being determined and completed upon completion of FTI 2023.</p>	Tom Long	4/12/2023	4/17/2023	4/17/2023	1	NA	Appendix D	ACI PG&E-22-351 Identify Mitigation Benefit of Restoring PSPS Save, Scope, and Frequency	

197	CAFA	Sat WMP-16	CAFA_Set WMP-16	2	CAFA_Set WMP-16_Q2	<p>Regarding PG&E's Load Break Allowance:</p> <ul style="list-style-type: none"> a) Please explain PG&E's operating procedure for operating a load break allow in a vault or energize or de-energize a circuit or segment. b) Please provide PG&E's written procedures or other documentation related to your response to part (a). c) Please explain in detail PG&E's operating procedure, from start to finish, for the following: after opening a circuit segment on a load break allow that is normally in a closed position, the circuit segment is returned to its normally closed position during switching. d) Please explain in detail PG&E's operating procedure from start to finish of the following operation: after closing circuit segment via a load break allow that is normally in an open position, then the circuit segment is returned to its normal open position during switching. 	<p>The confidential statements are being provided pursuant to the accompanying confidentiality declaration</p> <p>a) For distribution operations operating procedures, if de-energizing or energizing from Load Break allows that are not protected by fuses on the source side, then safety circuitry is first used to ensure that the source side protective device will not attempt to re-energize the circuit (including meter cutoff/guard relay cutouts) until it is then given to the field operators to then manually remove or place load break allow to de-energize/energize circuit as required.</p> <p>b) De-energizing circuit segments will be placed on isolated stand off and protective equipment installed. To energize circuit, protective equipment is removed, and allows are placed/closed in operating position. Once operation is complete, allows are then placed to their previous state.</p> <p>c) Load Break allows will be used when energizing a segment with a manual or protected load.</p> <p>d) PG&E assumes "WMP-Discover2022_DR_CafAcLocations_016-02001A2010COP.pdf" and "WMP-Discover2022_DR_CafAcLocations_016-02001A2010COP.pdf" provided in response to Question 191(a) of the Data Request Set for a copy of these Procedures.</p> <p>e) For distribution operations operating procedures, please see the answer to subpart (a) for the following: if the segment to place normal is already energized, a circuit segment will be placed on isolated stand off and protective equipment installed. To energize circuit, protective equipment is removed, and allows are placed/closed in operating position. Once operation is complete, allows are then placed to their previous state.</p> <p>f) PG&E assumes "WMP-Discover2022_DR_CafAcLocations_016-02001A2010COP.pdf" and "WMP-Discover2022_DR_CafAcLocations_016-02001A2010COP.pdf" provided in response to Question 191(a) of this data request set for a copy of these Procedures.</p> <p>g) For distribution operations operating procedures, please see the answer to Question 2 of this data request set for load break allow operation. For load break allow, after checking cables are de-energized, allows can then be placed on isolated stand off and protective equipment installed.</p> <p>h) For distribution operations operating procedures, please see the answer to Question 2 of this data request set for load break allow operation. For load break allow, after checking cables are de-energized, allows can then be placed on isolated stand off and protective equipment installed.</p> <p>i) For distribution operations operating procedures, please see the answer to subpart (a). The process is the same for operating a load break allow when placing circuit normal using a target parallel path. If now from one circuit installed, and creating a load break allow on an already energized segment of line.</p>	<p>Holly Whitman</p> <p>4/18/2023</p> <p>4/01/2023</p> <p>4/01/2023</p>	0	NA	8.1.2.10.3	Grid Design and System Hardening	Motor Switch Operator Switch Hardware
198	CAFA	Sat WMP-16	CAFA_Set WMP-16	3	CAFA_Set WMP-16_Q3	<p>Regarding PG&E's Junction Boxes:</p> <ul style="list-style-type: none"> a) Please explain in detail PG&E's operating procedure for operating a junction box in a vault or energize or de-energize a circuit or segment. b) Please provide PG&E's written procedures or other documentation related to your response to part (a). c) Please explain in detail PG&E's operating procedure, from start to finish, for the following operation: after closing circuit segment on a junction box that is normally in an open position, the circuit segment is returned to its normal open position during switching. d) Please explain in detail PG&E's operating procedure, from start to finish, for the following operation: after closing circuit segment on a junction box that is normally in a closed position, the circuit segment is returned to its normally closed position during switching. 	<p>The confidential statements are being provided pursuant to the accompanying confidentiality declaration</p> <p>a) For distribution operations operating procedures, junction boxes may contain either Load Break allows or dead break allows. For Load Break operations, see the responses to question 2 of the data request set. Dead break allows cannot be used to de-energize circuit segments. Dead break allows are only to be opened or closed on a de-energized circuit segment after checking that the cables are de-energized.</p> <p>b) Please reference "WMP-Discover2022_DR_CafAcLocations_016-02001A2010COP.pdf" and "WMP-Discover2022_DR_CafAcLocations_016-02001A2010COP.pdf" provided in response to Question 191(a) of this data request set for a copy of these Procedures.</p> <p>c) For distribution operations operating procedures, please see the answer to Question 2 of this data request set for load break allow operation. For load break allow, after checking cables are de-energized, allows can then be placed on isolated stand off and protective equipment installed.</p> <p>d) For distribution operations operating procedures, please see the answer to Question 2 of this data request set for load break allow operation. For load break allow, after checking cables are de-energized, allows can then be placed on isolated stand off and protective equipment installed.</p>	<p>Holly Whitman</p> <p>4/18/2023</p> <p>4/01/2023</p> <p>4/01/2023</p>	0	NA	8.1.2.10	Grid Design and System Hardening	Other Grid Technology Improvements to Minimize Risk of Ignition
199	CAFA	Sat WMP-16	CAFA_Set WMP-16	4	CAFA_Set WMP-16_Q4	<p>Please explain PG&E's selection criteria for when to install the following equipment on underground circuits:</p> <ul style="list-style-type: none"> a) SCADA switches b) Junction boxes c) Load break allows 	<p>The confidential statements are being provided pursuant to the accompanying confidentiality declaration</p> <p>a) SCADA underground switches are typically only installed at marine intersections. The 3-way SCADA switch can have to be installed in positions established with SCADA due to the space constraints on the top of the switch. Additionally, a communication signal to enable SCADA is not always available at the location where we would otherwise like to install a SCADA-enabled switch. While SCADA-enabled switches are preferred in these locations (marine intersections where communication are available), it is at the discretion of the Electric Distribution Planning Engineer to specify the appropriate device as part of the project design.</p> <p>b) PG&E install junction boxes on both cable mainlines (0.250, .375, .500, and .750") and tie lines (0.250") SCADA systems.</p> <p>c) A marine junction box is the connector of multiple 0.250" cables. They are installed in a substation enclosure and mounted on all of the enclosures. This connection cable also carries a 200A allowable routine on top of a ready to ready cable. PG&E typically designs the underground system such that there is a switching station at every other structure along the use of a single enclosure between. If electrically possible, the design approach is due to the 0.250" single junction being a dead-break device requiring a clearance to open.</p> <p>d) The junction boxes are installed on the wall of a substation enclosure. There can be 2 up to 4-way connections.</p> <p>e) Junction boxes are typically designed to be back-to-back on 200A metal systems and are not preferred conductor for 200A loops, but they can be used to serve a single transformer on a loop system if it is more cost efficient than turning up and out of a transformer. In some cases, the 200A junction can also be post-rotated (installed inside a post-rotated enclosure).</p> <p>f) The use of 200A Load Break (LB) allows is required when terminating 200A cable (ending the cable on, generally into a space of equipment like a transformer) on all substation installations installed after July 2016. The use of 200A LB allows has been required for terminating 200A cables on most one post-rotated installations since the early 1990s. Please note that when performing work on existing underground installations that involve the replacement of existing 200A Dead Break (DB) allows, it may not be feasible to convert 200A LBs to LB allows. The "normal" range of the 200A LBs is 0.250" where the existing DB allows and the enclosure covers must be able to be securely closed when cables are placed on an installed or grounded standby in the enclosure. In the cases where a LB allow cannot fit safely in the existing enclosure, LB allows are not installed.</p> <p>g) PG&E is standard to install post-rotated transformers on underground circuits when transformers are real. Saw the transformers to support for when a post-rotated transformer cannot be used in a substation enclosure. For non-residential customers, we prefer to install post-rotated transformers in the street furniture, assessment of right-of-way areas for multiple customers or on the customer's property for a single service. For non-residential customers, the preference is to install post-rotated transformers outside adjacent to the building on a concrete pad.</p> <p>h) Substation transformers are typically not installed unless it is required to support assessment location. There is no space available for a post-rotated transformer to be installed, or it is otherwise specified due to project-specific concerns. Reasons that substation transformers are not preferred include: a) a transformer located in an enclosure where the air circulation is restricted and the ambient temperature is high, such as in the Central Valley or some of the HFT areas that see high summer temperatures that reduce the capacity of transformer loads due to excessive temperature. Space is limited in a substation enclosure, so load equipment must enhance the use of the transformer to be installed in a substation enclosure.</p> <p>i) When it is needed, the location for a substation transformer must be pre-identified by PG&E.</p> <p>j) On the customer's property (outside a substation):</p> <ol style="list-style-type: none"> 1. In a preferred area (between the curb and the sidewalk). 2. In the paved portion of a parking lot. 3. In an existing transformer pad or street. 4. In the specified location of the street. 	<p>Holly Whitman</p> <p>4/18/2023</p> <p>4/01/2023</p> <p>4/01/2023</p>	0	NA	8.1.2	Grid Design and System Hardening	Other Grid Technology Improvements to Minimize Risk of Ignition
200	CAFA	Sat WMP-16	CAFA_Set WMP-16	5	CAFA_Set WMP-16_Q5	<p>Please explain PG&E's selection criteria for when to install the following equipment on underground circuits:</p> <ul style="list-style-type: none"> a) SCADA switches b) Substation transformers 	<p>The confidential statements are being provided pursuant to the accompanying confidentiality declaration</p> <p>a) PG&E is standard to install post-rotated transformers on underground circuits when transformers are real. Saw the transformers to support for when a post-rotated transformer cannot be used in a substation enclosure. For non-residential customers, we prefer to install post-rotated transformers in the street furniture, assessment of right-of-way areas for multiple customers or on the customer's property for a single service. For non-residential customers, the preference is to install post-rotated transformers outside adjacent to the building on a concrete pad.</p> <p>b) Substation transformers are typically not installed unless it is required to support assessment location. There is no space available for a post-rotated transformer to be installed, or it is otherwise specified due to project-specific concerns. Reasons that substation transformers are not preferred include: a) a transformer located in an enclosure where the air circulation is restricted and the ambient temperature is high, such as in the Central Valley or some of the HFT areas that see high summer temperatures that reduce the capacity of transformer loads due to excessive temperature. Space is limited in a substation enclosure, so load equipment must enhance the use of the transformer to be installed in a substation enclosure.</p> <p>c) When it is needed, the location for a substation transformer must be pre-identified by PG&E.</p> <p>d) On the customer's property (outside a substation):</p> <ol style="list-style-type: none"> 1. In a preferred area (between the curb and the sidewalk). 2. In the paved portion of a parking lot. 3. In an existing transformer pad or street. 4. In the specified location of the street. 	<p>Holly Whitman</p> <p>4/18/2023</p> <p>4/01/2023</p> <p>4/01/2023</p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
201	CAFA	Sat WMP-16	CAFA_Set WMP-16	6	CAFA_Set WMP-16_Q6	<p>For each of the underground projects that PG&E has planned for 2023, please answer the following questions on each project:</p> <ul style="list-style-type: none"> a) How many SCADA underground switches will be installed? b) How many overhead switches will be removed? c) How many DB be switches to adjacent circuits currently exist? d) How many DB be switches to adjacent circuits will be removed? e) How many SCADA overhead switches will be installed as points to adjacent circuits? f) How many SCADA underground switches will be installed as points to adjacent circuits? g) How many substation transformers will be installed? h) How many post-rotated transformers will be installed? i) How many junction boxes will be installed? j) How many junction boxes will be installed for sectionalizing? k) How many load break allows will be installed for sectionalizing? l) How many load break allows will be installed for sectionalizing? m) How many load break allows will be installed as points to adjacent circuits? n) How many handholes will be installed? 	<p>PG&E objects to the request as overstated and overly burdensome. We do not maintain the requested information in a manner that allows to be aggregated without a manual review of each project's engineering and construction documentation. Manually collating the data across hundreds of projects would require significant time and resources and the development of multiple processes to ensure data accuracy. If you would like to discuss this request further, please feel free to reach out to us.</p> <p>Resolves:</p> <p>In response to a request to provide the results of a manual review of a few projects, PG&E completed the review on a series of four projects at Clark Road 1102 (LADWP Phase 1, 1, 4). PG&E is providing the final quantities for the four projects that are constructed in the same circuit. The following items are the requested projects that can be found on our Undergrounding Workplan: 30299631, 30299630, 30299629, 30299628. Below are provide the assumptions used to collect this information:</p> <ul style="list-style-type: none"> a) PG&E assumes "SCADA underground switches installed" includes both post-rotated and sub-station SCADA switches. Because these excavations often have multiple positions installed (e.g., three-way switches), PG&E also collected the number of those with SCADA enabled as these are not always 1:1. b) SCADA underground devices - 1 c) SCADA overhead installed - 1 d) PG&E assumes "Overhead switches removed" to include both mainline and tie-line switches, junction boxes that can be operated as switches, tapline switches and inline disconnects as installed as part of a reactor package. e) SCADA underground devices - 14 f) PG&E assumes "Switches to adjacent circuits" are only included as part of the project reviewed and excludes ties to load. g) PG&E assumes "DB switches to adjacent circuits removed" are only included as part of the project reviewed and excludes ties to load. h) PG&E assumes "SCADA switches to adjacent circuits installed" are only included as part of the project reviewed and excludes ties to load. i) PG&E assumes "DB switches to adjacent circuits removed" are only included as part of the project reviewed and excludes ties to load. j) PG&E assumes "SCADA DB switches removed" to include both mainline, tap-line switches, and protection switches with SCADA that can be operated as switches. k) SCADA overhead Switches Removed - 3 l) PG&E assumes "SCADA underground switches to adjacent circuits are only included if part of the project reviewed and excludes ties to load. m) The Switches to Adjacent Circuits - 0 n) PG&E assumes "SCADA DB switches removed" to include both mainline, tap-line switches, and protection switches with SCADA that can be operated as switches. o) SCADA overhead Switches Removed - 3 p) PG&E assumes "SCADA underground switches to adjacent circuits are only included if part of the project reviewed and excludes ties to load. q) The Switches to Adjacent Circuits - 0 r) PG&E assumes "SCADA DB switches removed" to include both mainline, tap-line switches, and protection switches with SCADA that can be operated as switches. 	<p>Holly Whitman</p> <p>4/18/2023</p> <p>4/01/2023</p> <p>4/01/2023</p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
202	CAFA	Sat WMP-16	CAFA_Set WMP-16	7	CAFA_Set WMP-16_Q7	<p>For each of the underground projects that PG&E has planned for 2024, please answer the following questions on each project:</p> <ul style="list-style-type: none"> a) How many SCADA underground switches will be installed in each circuit? b) How many overhead switches will be removed? c) How many DB be switches to adjacent circuits currently exist? d) How many DB be switches to adjacent circuits will be removed? e) How many SCADA overhead switches will be installed as points to adjacent circuits? f) How many SCADA underground switches will be installed as points to adjacent circuits? g) How many substation transformers will be installed for sectionalizing? h) How many post-rotated transformers will be installed for sectionalizing? i) How many junction boxes will be installed? j) How many junction boxes will be installed for sectionalizing? k) How many load break allows will be installed for sectionalizing? l) How many load break allows will be installed for sectionalizing? m) How many load break allows will be installed as points to adjacent circuits? n) How many handholes will be installed? 	<p>PG&E objects to the request as overstated and overly burdensome. We do not maintain the requested information in a manner that allows to be aggregated without a manual review of each project's engineering and construction documentation. Manually collating the data across hundreds of projects would require significant time and resources and the development of multiple processes to ensure data accuracy. If you would like to discuss this request further, please feel free to reach out to us.</p> <p>Resolves:</p> <p>In response to a request to provide the results of a manual review of a few projects, PG&E completed the review on a series of four projects at Clark Road 1102 (LADWP Phase 1, 1, 4). PG&E is providing the final quantities for the four projects that are constructed in the same circuit. The following items are the requested projects that can be found on our Undergrounding Workplan: 30299631, 30299630, 30299629, 30299628. Below are provide the assumptions used to collect this information:</p> <ul style="list-style-type: none"> a) PG&E assumes "SCADA underground switches installed" includes both post-rotated and sub-station SCADA switches. Because these excavations often have multiple positions installed (e.g., three-way switches), PG&E also collected the number of those with SCADA enabled as these are not always 1:1. b) SCADA underground devices - 1 c) SCADA overhead installed - 1 d) PG&E assumes "Overhead switches removed" to include both mainline and tie-line switches, junction boxes that can be operated as switches, tapline switches and inline disconnects as installed as part of a reactor package. e) SCADA underground devices - 14 f) PG&E assumes "Switches to adjacent circuits" are only included as part of the project reviewed and excludes ties to load. g) PG&E assumes "DB switches to adjacent circuits removed" are only included as part of the project reviewed and excludes ties to load. h) PG&E assumes "SCADA switches to adjacent circuits installed" are only included as part of the project reviewed and excludes ties to load. i) PG&E assumes "DB switches to adjacent circuits removed" are only included as part of the project reviewed and excludes ties to load. j) PG&E assumes "SCADA DB switches removed" to include both mainline, tap-line switches, and protection switches with SCADA that can be operated as switches. k) SCADA overhead Switches Removed - 3 l) PG&E assumes "SCADA underground switches to adjacent circuits are only included if part of the project reviewed and excludes ties to load. m) The Switches to Adjacent Circuits - 0 n) PG&E assumes "SCADA DB switches removed" to include both mainline, tap-line switches, and protection switches with SCADA that can be operated as switches. 	<p>Holly Whitman</p> <p>4/18/2023</p> <p>4/01/2023</p> <p>4/01/2023</p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment

ID	Code	Sub-Code	Priority	Category	Description	Lead	Start	End	Due	Progress	Dependencies	Notes	Impact	Strategic Area	Objectives
216	OEIS	003	OEIS_003	2	OEIS_003_02	<p>Regarding Emergency Preparedness Plans Beyond Stated Objectives</p> <p>On page 624, PG&E states that there are "current plans for wildfire-related activities beyond the objectives in Table 6-33 and the ISA."</p> <p>4. List and describe the "plans" beyond the objectives.</p> <p>5. Explain why your proposed objectives are not presented as objectives in WMP Table 6-33 and 6-34.</p>	Colin Lang	4/01/2023	4/08/2023	4/08/2023	0	NA	8.4.1.1	Emergency Preparedness	Objectives
217	OEIS	003	OEIS_003	3	OEIS_003_03	<p>Regarding After Action Reports</p> <p>a. Provide After Action Reports (or similar post-event reports) for each wildfire-related emergency in 2021 and 2022.</p> <p>b. Does PG&E have internal After-Action Reports (or similar post-event reports) for both actual and potential PSPS events that differ from reports filed with the CPUC? If so, provide these internal reports for events in 2021 and 2022.</p>	Colin Lang	4/01/2023	4/08/2023	4/08/2023	4	NA	8.4	Emergency Preparedness	NA
218	OEIS	003	OEIS_003	4	OEIS_003_04	<p>Regarding Support for Medical Baseline Customers</p> <p>a. How does PG&E support Medical Baseline (MBL) customers during wildfire emergencies?</p>	Colin Lang	4/01/2023	4/08/2023	4/08/2023	0	NA	8.4.6	Emergency Preparedness	Customer Support in Wildfire and PSPS Emergencies
219	OEIS	003	OEIS_003	5	OEIS_003_05	<p>Regarding Emergency Operations Customer Surveys</p> <p>a. Provide an example of each customer survey sent in 2021 and 2022 regarding emergency operations and any reports analyzing these survey results.</p>	Colin Lang	4/01/2023	4/08/2023	4/08/2023	1	NA	8.4.4	Emergency Preparedness	Public Emergency Communication Strategy
220	OEIS	003	OEIS_003	6	OEIS_003_06	<p>Regarding PG&E's Areas of Concern</p> <p>a. Provide a GIS layer of PG&E's Areas of Concern (AOC) with the following attributes for each AOC polygon: i. Name of AOC ii. Name of critical risk within the AOC that was in scope for Focused Tree Inspections iii. Cumulative probability of ignition caused by vegetation coupled with consequence of ignition as given by WORM of (ln)(w₁ + c) iv. Average probability of ignition caused by vegetation coupled with consequence of ignition as given by WORM of (ln)(w₁ + c) v. Cumulative Overall Wildfire Risk as defined by the 2023-2025 WMP Technical Guidelines, Appendix B vi. Cumulative Ignition Risk as defined by the 2023-2025 WMP Technical Guidelines, Appendix B vii. Cumulative Critical from Vegetation Sources of Ignition as defined by the 2023-2025 WMP Technical Guidelines, Appendix B</p> <p>b. Has PG&E used any vegetation related data sources to identify the density/percentage of overstore trees to create the AOC? If so, (i.e., LIDAR, satellite) if so, list the data source and the date the data was collected (i.e., distribution LIDAR from PG&E 2017)</p> <p>c. Has PG&E used any tree mortality data sources to create the AOC? If so, list the data source and the date the data was collected</p> <p>d. Determine the prioritization of inspection among the AOC's if so, list the data set(s) and the date the data was collected</p>	Colin Lang	4/01/2023	4/08/2023	4/08/2023	3	NA	8.2	Vegetation Management and Inspections	NA
221	OEIS	003	OEIS_003	7	OEIS_003_07	<p>Regarding Focused Tree Inspections</p> <p>a. During the decision process to discontinue use of the Tree Assessment Tool (TAT) and adopt the ISA's Basic Tree Risk Assessment Form (ISA Form), did PG&E consider incorporating elements from the ISA's form into the TAT?</p> <p>b. Has PG&E collected a digital record of each ISA form generated by inspectors in Q4/21 or another system?</p> <p>c. How does PG&E plan to incorporate known localized risk factors (e.g., wind, outage rates) by species into tree health assessments?</p> <p>d. Did PG&E perform any analysis or study that compared the outcomes of the TAT and the ISA's checklist in the field? If so, provide the analysis or study.</p> <p>e. Has PG&E implemented and/or discussed the latest version of its TAT and the associated risk assessment procedure and the new tree assessment procedures using the ISA's checklist with other utilities, including that not limited to SCE and its Tree Risk Calculator? If so, provide a summary of that benchmarking/discussion.</p> <p>f. Provide the logs and any documentation of methodologies, observations, and data sources for the most recent version of the TAT. Include a list of the factors considered in TAT scoring methodology.</p>	Colin Lang	4/01/2023	4/07/2023	4/07/2023	1	NA	8.2	Vegetation Management and Inspections	NA
222	OEIS	003	OEIS_003	8	OEIS_003_08	<p>Regarding Confidential Stakeholder Data Requests</p> <p>a. Provide PG&E's confidential responses and attachments to the following Data Requests: i. WMP-Discovery2023_CaRisks001.pdf ii. WMP-Discovery2023_CaRisks002.pdf iii. WMP-Discovery2023_CaRisks003.pdf iv. WMP-Discovery2023_CaRisks004.pdf v. WMP-Discovery2023_CaRisks005.pdf</p>	Colin Lang	4/01/2023	4/08/2023	4/08/2023	0	NA	7	Wildfire Mitigation Strategy Development	NA
223	OEIS	003	OEIS_003	9	OEIS_003_09	<p>Regarding PG&E's Asset Inspection Program</p> <p>a. Provide the inspection checklist used for both PG&E's patrols and detailed inspections.</p> <p>b. If PG&E relies on inspections specifically to inspect specific risk specific items, identify which items within the checklist the applies to, particularly if such differs from standard GD 95 inspections.</p> <p>c. On average, how many detailed inspections are completed by inspectors per day?</p>	Colin Lang	4/01/2023	4/08/2023	4/08/2023	5	NA	8.1.3	Asset Inspections	NA

224	OEIS	003	OEIS_003	10	OEIS_003_010	<p>Regarding PG&E's Asset Inventory</p> <p>a. Provide a list of all fields that PG&E's asset inventory captures (i.e. equipment, equipment type, age, installation date)</p> <p>b. Provide a list of types of equipment captured within PG&E's asset inventory.</p> <p>c. Provide a percentage to what PG&E is missing data for each field listed in part (a) within its asset inventory.</p> <p>d. Provide an estimated percentage for the amount of assets missing from PG&E's asset inventory.</p>	<p>As outlined in Section 8.1.3 Asset Management and Inspection Enterprise System of PG&E's 2023-2025 WMP, PG&E uses several asset inventory databases. Geographic Information System (GIS) is the primary system of record for electric asset inventory (Asset Registry), fault location, electrical connectivity and attributes. Asset Registry data is generally sourced to GIS databases that are specific to Electric Distribution and Electric Transmission, also known as Electric Distribution Geographic Information System (EDGIS) and Electric Transmission Geographic Information System (ETGIS). The asset inventory attributes captured as fields in the Asset Registry systems vary by asset type. Not all fields are included in all of PG&E's databases.</p> <p>In fall of 2021, PG&E initiated an Asset Registry Data Quality (ARDCQ) program with the objective of identifying all Critical Data Elements (CDEs) generally aligned with the identified list of asset types that are managed in the Asset Registry systems. The initial focus of the ARDCQ program was in support of the Transmission Outbreak and Distribution Outbreak teams.</p> <p>As of 2023, PG&E has identified 90% of Asset Registry data quality issues. PG&E is currently working on the remaining 10% of Asset Registry data quality issues. PG&E is currently working on the remaining 10% of Asset Registry data quality issues. PG&E is currently working on the remaining 10% of Asset Registry data quality issues.</p> <p>PG&E is currently working on the remaining 10% of Asset Registry data quality issues. PG&E is currently working on the remaining 10% of Asset Registry data quality issues. PG&E is currently working on the remaining 10% of Asset Registry data quality issues.</p>	Colin Lang	4/21/2023	5/10/2023	5/10/2023	2	NA	8.1.5	Asset Management and Inspection Enterprise System(s)	NA
225	OEIS	003	OEIS_003	11	OEIS_003_011	<p>Regarding PG&E's Response to P-WMP_2023-PGAE-002-007</p> <p>a. PG&E states that a Critical Attribute is defined as "a condition that could lead to either an ignition point or fire from a situation that could result in a potential fire ignition." Provide all supporting documentation for procedures PG&E uses to determine whether something is a Critical Attribute. If such procedures do not exist, PG&E must provide a definition.</p> <p>b. A list of critical PG&E assets to qualify were used as a Critical Attribute.</p> <p>c. What does PG&E mean by "as defined by Asset Strategy"?</p>	<p>The determination of critical attributes was created based on discussions with multiple stakeholders (EM&E from Asset Strategy, Operations, and System Inspections). The finalized list was routed through EDRS and was approved by leaders from Asset Strategy and System Inspections. The list is provided as AS&SI-0011-A11-010.</p> <p>For transmission, the guidance within "Electric Transmission Line Guidance for Setting Priority Codes" provided in our response to Question 209, in accordance with GO-50 Rule 18, defines whether assets identified through ignition as critical attributes as the context of CAQC's asset inspection.</p> <p>For distribution, the guidance within "Electric Distribution Line Guidance for Setting Priority Codes" provided in our response to Question 209, in accordance with GO-50 Rule 18, defines whether assets identified through ignition as critical attributes as the context of CAQC's asset inspection.</p> <p>PG&E uses a risk-based approach to determine whether something is a Critical Attribute. PG&E uses a risk-based approach to determine whether something is a Critical Attribute. PG&E uses a risk-based approach to determine whether something is a Critical Attribute.</p>	Colin Lang	4/21/2023	4/26/2023	4/26/2023	0	NA	Appendix D	Asset for Containment	ACI PG&E-23-21 Asset Inspectors Quality Assurance and Quality Control ACI PG&E-23-08 Better Application of Specific Lessons Learned From Utility-Cause Fire
226	OEIS	003	OEIS_003	12	OEIS_003_012	<p>Regarding PG&E's Response to P-WMP_2023-PGAE-003-009</p> <p>a. PG&E states that it will perform targeted equipment repairs relating to EPSS. In this a program response from that described within Section 8.1.7 of the WMP? If so, provide the following: i. Description and procedures to address PG&E's current and future EPSS-related targeted equipment repairs. ii. Description and procedures to address those EPSS-related targeted equipment repairs (particularly in relation to the program described in Section 8.1.7). iii. A list of critical PG&E assets to qualify were used as a Critical Attribute. iv. What does PG&E mean by "as defined by Asset Strategy"?</p>	<p>The confidential material is being provided pursuant to the accompanying confidentiality declaration.</p> <p>(i) (ii) EPSS targeted equipment repairs are incorporated into the Open Work Order (OWO) program as described in Section 8.1.7 of the WMP. EPSS targeted equipment repairs are incorporated into the OWO program as described in Section 8.1.7 of the WMP. EPSS targeted equipment repairs are incorporated into the OWO program as described in Section 8.1.7 of the WMP.</p>	Colin Lang	4/21/2023	4/26/2023	4/26/2023	1	NA	Appendix D	Asset for Containment	ACI PG&E-23-02 Updates on EPSS Reliability Study
227	OEIS	003	OEIS_003	13	OEIS_003_013	<p>Regarding PG&E's Response to P-WMP_2023-PGAE-003-008</p> <p>a. Provide an Enhanced ignition analysis (EIA) reports completed for instances in which the qualifier was an EPSS related fault. Provide all Enhanced ignition analysis (EIA) reports completed for instances in which the qualifier was an EPSS related fault.</p>	<p>The confidential material is being provided pursuant to the accompanying confidentiality declaration.</p> <p>In response to Question 1 of Energy Safety & System Inspections (ESI) Section 8.1.7 of the WMP, PG&E provided a list of EIA reports that were available/available/available in the Enhanced Ignition Analysis (EIA) program as described in Section 8.1.7 of the WMP. PG&E provided a list of EIA reports that were available/available/available in the Enhanced Ignition Analysis (EIA) program as described in Section 8.1.7 of the WMP.</p>	Colin Lang	4/21/2023	4/26/2023	4/26/2023	1	NA	Appendix D	Asset for Containment	ACI PG&E-23-08 Better Application of Specific Lessons Learned From Utility-Cause Fire
228	OEIS	003	OEIS_003_014	<p>Regarding PG&E's Fuel Burner Replacements</p> <p>a. Provide the number of fuel burner PG&E has replaced by year since 2020.</p> <p>b. Provide PG&E's target for 2024, as applicable.</p> <p>c. Provide the number of fuel burner devices within PG&E's WFD.</p> <p>d. Provide the number of fuel burner devices identified as needing replacement within PG&E's WFD.</p>	<p>We replaced fuel burner replacement metrics with fuel burner replacement metrics in high-voltage areas. There was a hypothesis that fuel burner replacement metrics with fuel burner replacement metrics in high-voltage areas. There was a hypothesis that fuel burner replacement metrics with fuel burner replacement metrics in high-voltage areas.</p>	Colin Lang	4/21/2023	4/26/2023	4/26/2023	0	NA	NA	NA	NA		
229	OEIS	003	OEIS_003_015	<p>Regarding PG&E's V4 of its Wildfire Distribution Risk Model (WDRM)</p> <p>a. What is PG&E's status for review and approval of V4?</p> <p>b. When does PG&E intend to use V4 to inform its understanding? Include discussion on details from the final PG&E's understanding plan.</p> <p>c. Provide a list of the differences and improvements being made to V4 in comparison to V3.</p> <p>d. In V4, undergoing three early reviews (i.e. V2 and V3) so, provide a status update on the review, including expected completion date for the next review.</p>	<p>The WDRM is currently in review and will be used to inform its understanding. The WDRM is currently in review and will be used to inform its understanding. The WDRM is currently in review and will be used to inform its understanding.</p>	Colin Lang	4/21/2023	4/26/2023	4/26/2023	0	NA	6.2.1	Risk Methodology and Assessment	Risk and Risk Component Identification		
230	OEIS	003	OEIS_003_016	<p>Regarding PG&E's Response to OEIS Data Request 2 Question 1 Alternative 1</p> <p>a. How did PG&E determine a mitigation effectiveness of 1.18% for down conductor detection (DCD)?</p> <p>b. In Table 8A, PG&E has included 2023, 2024 and 2025 targets for DCD. Additionally, in response to Question 2 and Request 3 (Question 1), PG&E explains that 21,000 miles will be covered by DCD in 2023. However, within the attachments, PG&E only demonstrates data for approximately 27,344, 140, and 0 miles in 2023, 2024, and 2025 respectively. Explain this discrepancy.</p> <p>c. Include the number of miles DCD covered in 2022, as well as how many additional miles will be covered based on PG&E's targets for 2023, 2024, and 2025 miles down the year.</p> <p>d. How did PG&E determine a mitigation effectiveness of 68% for EPSS?</p> <p>e. What is the overall mitigation effectiveness (EPSS) included within the attachment? If it was, what would the mitigation effectiveness be for including PVDF?</p>	<p>The mitigation effectiveness for down conductor detection was based on the incremental benefits of EPSS. The mitigation effectiveness was based on the incremental benefits of EPSS. The mitigation effectiveness was based on the incremental benefits of EPSS.</p>	Colin Lang	4/21/2023	4/26/2023	4/26/2023	0	NA	8.1.10	Old Design and System Handing	Downed Conductor Detection Overview		
231	OEIS	003	OEIS_003_017	<p>Regarding PG&E's Response to 8.4.6</p> <p>PG&E discusses "red tagged" customers, "impaired" customers, and "impacted" customers including courts, counties, and tribal governments in Section 8.4.6. However, definitions of each term are not provided. Provide a definition, as it applies to both wildfire and PSPS events in the context of 8.4.6, and the criteria for these groups being identified as such for "Red tagged" customers.</p> <p>1. "Impaired" customers</p> <p>2. "Impacted" customers</p> <p>3. "Impaired" customers</p> <p>4. "Impaired" customers</p> <p>5. "Impaired" customers</p>	<p>Red Tag: For natural disasters, including wildfire, in which the Governor or POTS declares a State of Emergency, the official definition comes from D.19.07.015 (page 16): "when a disaster is declared, the inspection of damage of a structure, such that only service is disrupted temporarily or indefinitely due to safety concerns or reconstruction activities to address the damage from a proclaimed state of emergency event."</p> <p>Impaired Customers: This term was used as a shorthand for all impacted customers included on National Incident Agency Fire Center website and expand them by 2 miles wide. Any customer affected to a meter within the extended area is considered an "impacted customer". The list of impacted customers and attributes is refreshed daily, until the fire is contained.</p>	Colin Lang	4/21/2023	4/26/2023	4/26/2023	0	NA	8.4.6	Emergency Preparedness	Customer Support in Wildfire and PSPS Emergencies		
232	CHPA	S&I WMP-17	CHPA_S&I WMP-17	1	CHPA_S&I WMP-17_01	<p>Table 1 - Projects not pursued for Underpinning in final 2100 miles</p> <p>PG&E WDRM is made critical protection zones (CPZs) based on risk measured areas. PG&E has 17 critical protection zones (CPZs) based on risk measured areas. PG&E has 17 critical protection zones (CPZs) based on risk measured areas.</p>	<p>Upon review, PG&E respectfully finds that the CPZ mitigation presented in Table 1 was incorrect. As a result of the change errors in the Table, the calculated Risk Mitigation (RM) is provided pursuant to Confidentiality Declaration (WMP-Disclosure2023_DR_Calculations_011_Confidentiality_Declaration) in WMP-Disclosure2023_DR_Calculations_011-0001-CPDF-3.</p> <p>PG&E is currently working on the remaining 10% of Asset Registry data quality issues. PG&E is currently working on the remaining 10% of Asset Registry data quality issues. PG&E is currently working on the remaining 10% of Asset Registry data quality issues.</p>	Matthew Tait	4/21/2023	4/26/2023	4/26/2023	0	NA	8.1.2.2	Old Design and System Handing	Underpinning of Electric Lines and/or Equipment - Distribution

233	CAFA	Sat WMP-17	CaFA_Sat WMP-17	2	CaFA_Sat WMP-17_02	<p>In general, identify all the factors PG&E considers when deciding that a CPZ with a large average risk profile or small average risk profile in WORM V3 should be prioritized in PG&E's 2023 WMP project selection.</p> <p>~BEGIN CONFIDENTIAL~</p> <p>In Table 2 above, select CPZs that PG&E has decided to pursue Underpinning in its first 2100 miles of LG project as compared by:</p> <ul style="list-style-type: none"> 1) Cumulative risk score for the CPZ in WORM V3 2) The total mile length of Underpinning which PG&E queued for each LG project in Confidential response to Question 1 on "WMP-Discovery2023_DR_CaFAoccolca_03" 3) A calculated "risk per mile" average risk value derived from the two previous values 4) Whether the CPZ was incorporated into the WMP for 2023 or 2024 <p>PG&E 2023 WMP is designed to align projects to the CPZ alignment content referenced against Question 8 on "PG&E-2023WMP-AS_VM_Inspection_S3_Queueing" for projects in the 2023-2024 timeframe)</p> <p>PG&E 2023 WMP is designed to align projects to the CPZ alignment content referenced against Question 8 on "PG&E-2023WMP-AS_VM_Inspection_S3_Queueing" for projects in the 2023-2024 timeframe)</p> <p>PG&E 2023 WMP is designed to align projects to the CPZ alignment content referenced against Question 10 on "PG&E-2023WMP-AS_VM_Inspection_UC_VCC_Coastal_and_RSE" for projects in the 2023-2026 timeframe)</p> <p>1. Please explain why these select CPZs in Table 2, are small total risk profiles and small average risk profiles in WORM V3, are being considered as potential projects for Underpinning.</p> <p>2. Please provide reasons why PG&E did not opt for alternatives to Underpinning CPZ "STANISLAUS 1702188" given that the CPZ is comparatively long with both a low average and small cumulative risk profile. Alternatives to Underpinning include other means by which to reduce risk such as use of Crowded Conductor or a hybrid UDOCH approach.</p> <p>3. Please provide reasons why PG&E did not opt for alternatives to Underpinning CPZ "STANISLAUS 1702188" given that the CPZ is comparatively long with both a low average and small cumulative risk profile. Alternatives to Underpinning include other means by which to reduce risk such as use of Crowded Conductor or a hybrid UDOCH approach.</p> <p>4. Please identify the factors under consideration that resulted in priority given to CPZ "STANISLAUS 1702188" with cumulative risk score of 2.48 and distance to underpinning of 2.41 versus PG&E's 2023 WMP for mitigation on other CPZs such as:</p> <ul style="list-style-type: none"> a. "CROWDED" 11512147" with a cumulative risk score of 3.19 and distance to underpinning -19 miles. b. "SEAR VALLEY 210529" with a cumulative risk score of 7.40 and distance to underpinning -16 miles. c. "NEWBICK 1151217" with a cumulative risk score of 2.38 and distance to underpinning -21 miles. 	Matthew Tsai	4/1/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_and_confidentiality/2023-wmp-discovery2023-dr-cafaoccolca_03	0	NA	8.1,2,2	Grid Design and System Planning	Underpinning of Electric Lines and/or Equipment - Distribution
234	CAFA	Sat WMP-17	CaFA_Sat WMP-17	3	CaFA_Sat WMP-17_03	<p>In general, identify all the factors PG&E considers when deciding that a CPZ with a large average risk profile and small average risk profile in WORM V3 should be prioritized in PG&E's 2023 WMP project selection.</p> <p>~BEGIN CONFIDENTIAL~</p> <p>In Table 2 above, select CPZs that PG&E has decided to pursue Underpinning in its first 2100 miles of LG project as compared by:</p> <ul style="list-style-type: none"> 1) Cumulative risk score for the CPZ in WORM V3 2) The total mile length of Underpinning which PG&E queued for each LG project in Confidential response to Question 1 on "WMP-Discovery2023_DR_CaFAoccolca_03" 3) A calculated "risk per mile" average risk value derived from the two previous values 4) Whether the CPZ was incorporated into the WMP for 2023 or 2024 <p>PG&E 2023 WMP is designed to align projects to the CPZ alignment content referenced against Question 8 on "PG&E-2023WMP-AS_VM_Inspection_S3_Queueing" for projects in the 2023-2024 timeframe)</p> <p>PG&E 2023 WMP is designed to align projects to the CPZ alignment content referenced against Question 8 on "PG&E-2023WMP-AS_VM_Inspection_S3_Queueing" for projects in the 2023-2024 timeframe)</p> <p>PG&E 2023 WMP is designed to align projects to the CPZ alignment content referenced against Question 10 on "PG&E-2023WMP-AS_VM_Inspection_UC_VCC_Coastal_and_RSE" for projects in the 2023-2026 timeframe)</p> <p>1. Please explain why these select CPZs in Table 2, are small total risk profiles and small average risk profiles in WORM V3, are being considered as potential projects for Underpinning.</p> <p>2. Please provide reasons why PG&E did not opt for alternatives to Underpinning CPZ "STANISLAUS 1702188" given that the CPZ is comparatively long with both a low average and small cumulative risk profile. Alternatives to Underpinning include other means by which to reduce risk such as use of Crowded Conductor or a hybrid UDOCH approach.</p> <p>3. Please provide reasons why PG&E did not opt for alternatives to Underpinning CPZ "STANISLAUS 1702188" given that the CPZ is comparatively long with both a low average and small cumulative risk profile. Alternatives to Underpinning include other means by which to reduce risk such as use of Crowded Conductor or a hybrid UDOCH approach.</p> <p>4. Please identify the factors under consideration that resulted in priority given to CPZ "STANISLAUS 1702188" with cumulative risk score of 2.48 and distance to underpinning of 2.41 versus PG&E's 2023 WMP for mitigation on other CPZs such as:</p> <ul style="list-style-type: none"> a. "CROWDED" 11512147" with a cumulative risk score of 3.19 and distance to underpinning -19 miles. b. "SEAR VALLEY 210529" with a cumulative risk score of 7.40 and distance to underpinning -16 miles. c. "NEWBICK 1151217" with a cumulative risk score of 2.38 and distance to underpinning -21 miles. 	Matthew Tsai	4/1/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_and_confidentiality/2023-wmp-discovery2023-dr-cafaoccolca_03	0	NA	8.1,2,2	Grid Design and System Planning	Underpinning of Electric Lines and/or Equipment - Distribution
235	CAFA	Sat WMP-17	CaFA_Sat WMP-17	4	CaFA_Sat WMP-17_04	<p>In general, identify all the factors PG&E considers when deciding that a CPZ with a large average risk profile and small average risk profile in WORM V3 should be prioritized in PG&E's 2023 WMP project selection.</p> <p>~BEGIN CONFIDENTIAL~</p> <p>In Table 2 above, select CPZs that PG&E has decided to pursue Underpinning in its first 2100 miles of LG project as compared by:</p> <ul style="list-style-type: none"> 1) Cumulative risk score for the CPZ in WORM V3 2) The total mile length of Underpinning which PG&E queued for each LG project in Confidential response to Question 1 on "WMP-Discovery2023_DR_CaFAoccolca_03" 3) A calculated "risk per mile" average risk value derived from the two previous values 4) Whether the CPZ was incorporated into the WMP for 2023 or 2024 <p>PG&E 2023 WMP is designed to align projects to the CPZ alignment content referenced against Question 8 on "PG&E-2023WMP-AS_VM_Inspection_S3_Queueing" for projects in the 2023-2024 timeframe)</p> <p>PG&E 2023 WMP is designed to align projects to the CPZ alignment content referenced against Question 8 on "PG&E-2023WMP-AS_VM_Inspection_S3_Queueing" for projects in the 2023-2024 timeframe)</p> <p>PG&E 2023 WMP is designed to align projects to the CPZ alignment content referenced against Question 10 on "PG&E-2023WMP-AS_VM_Inspection_UC_VCC_Coastal_and_RSE" for projects in the 2023-2026 timeframe)</p> <p>1. Please explain why these select CPZs in Table 2, are small total risk profiles and small average risk profiles in WORM V3, are being considered as potential projects for Underpinning.</p> <p>2. Please provide reasons why PG&E did not opt for alternatives to Underpinning CPZ "STANISLAUS 1702188" given that the CPZ is comparatively long with both a low average and small cumulative risk profile. Alternatives to Underpinning include other means by which to reduce risk such as use of Crowded Conductor or a hybrid UDOCH approach.</p> <p>3. Please provide reasons why PG&E did not opt for alternatives to Underpinning CPZ "STANISLAUS 1702188" given that the CPZ is comparatively long with both a low average and small cumulative risk profile. Alternatives to Underpinning include other means by which to reduce risk such as use of Crowded Conductor or a hybrid UDOCH approach.</p> <p>4. Please identify the factors under consideration that resulted in priority given to CPZ "STANISLAUS 1702188" with cumulative risk score of 2.48 and distance to underpinning of 2.41 versus PG&E's 2023 WMP for mitigation on other CPZs such as:</p> <ul style="list-style-type: none"> a. "CROWDED" 11512147" with a cumulative risk score of 3.19 and distance to underpinning -19 miles. b. "SEAR VALLEY 210529" with a cumulative risk score of 7.40 and distance to underpinning -16 miles. c. "NEWBICK 1151217" with a cumulative risk score of 2.38 and distance to underpinning -21 miles. 	Matthew Tsai	4/1/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_and_confidentiality/2023-wmp-discovery2023-dr-cafaoccolca_03	0	NA	8.1,2,2	Grid Design and System Planning	Underpinning of Electric Lines and/or Equipment - Distribution
236	TURN	006	TURN_006	1	TURN_006_01	<p>1. Regarding the System Hardening Decision Tree provided at Attachment 3 to the response to TURN data request 5-1, please define the following acronym used in the Decision Tree:</p> <ul style="list-style-type: none"> a. EADP b. EADP c. EADP d. WCC e. EADP <p>Regarding the System Hardening Decision Tree provided at Attachment 3 to the response to TURN data request 5-1 and discussed in that response:</p> <p>1. Does PG&E intend to use the Decision Tree for future projects during the 2023-2025 period for selecting which system hardening mitigation to use for a given location?</p> <p>2. If the answer to "1" is anything other than an unequivocal "Yes," please explain each and every circumstance under which PG&E intends to use the Decision Tree for future fire-related projects.</p>	Tom Long	4/1/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_and_confidentiality/2023-wmp-discovery2023-dr-cafaoccolca_03	0	NA	8.1,2,2	Grid Design and System Planning	Underpinning of Electric Lines and/or Equipment - Distribution
237	TURN	006	TURN_006	2	TURN_006_02	<p>Regarding the System Hardening Decision Tree provided at Attachment 3 to the response to TURN data request 5-1 and discussed in that response:</p> <p>1. Does PG&E intend to use the Decision Tree for future projects during the 2023-2025 period for selecting which system hardening mitigation to use for a given location?</p> <p>2. If the answer to "1" is anything other than an unequivocal "Yes," please explain each and every circumstance under which PG&E intends to use the Decision Tree for future fire-related projects.</p>	Tom Long	4/1/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_and_confidentiality/2023-wmp-discovery2023-dr-cafaoccolca_03	0	NA	8.1,2,2	Grid Design and System Planning	Underpinning of Electric Lines and/or Equipment - Distribution
238	TURN	006	TURN_006	3	TURN_006_03	<p>Regarding the Underpinning Decision Tree provided at Attachment 1 to the response to TURN data request 5-1 and discussed in that response:</p> <p>1. Please explain what the term "Feasibility" means in the context of the Underpinning Decision Tree.</p> <p>2. Please explain what the term "Feasibility" means in the context of the Underpinning Decision Tree.</p> <p>3. Please explain what the term "Feasibility" means in the context of the Underpinning Decision Tree.</p>	Tom Long	4/1/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_and_confidentiality/2023-wmp-discovery2023-dr-cafaoccolca_03	0	NA	8.1,2,2	Grid Design and System Planning	Underpinning of Electric Lines and/or Equipment - Distribution
239	TURN	006	TURN_006	4	TURN_006_04	<p>Regarding the Fire Related Decision Tree provided at Attachment 2 to the response to TURN data request 5-1 and discussed in that response:</p> <p>1. Please define the following acronym used in the Decision Tree: PH, EADP, OEC, DO, SG.</p> <p>2. Does PG&E intend to use the Decision Tree for future fire-related projects during the 2023-2025 period for selecting which system hardening mitigation to use for a given location?</p> <p>3. If the answer to "1" is anything other than an unequivocal "Yes," please explain each and every circumstance under which PG&E intends to use the Decision Tree for future fire-related projects.</p>	Tom Long	4/1/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_and_confidentiality/2023-wmp-discovery2023-dr-cafaoccolca_03	0	NA	8.1,2,2	Grid Design and System Planning	Underpinning of Electric Lines and/or Equipment - Distribution
240	TURN	006	TURN_006	5	TURN_006_05	<p>Regarding the response to TURN data request 5-4, please explain the following terms used in the last paragraph of that response:</p> <ul style="list-style-type: none"> a. Gray services b. The services c. The services d. The services 	Tom Long	4/1/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_and_confidentiality/2023-wmp-discovery2023-dr-cafaoccolca_03	0	NA	8.1,2,2	Grid Design and System Planning	Underpinning of Electric Lines and/or Equipment - Distribution
241	TURN	006	TURN_006	6	TURN_006_06	<p>Regarding the response to TURN data request 5-4, please explain the following terms used in the last paragraph of that response:</p> <ul style="list-style-type: none"> a. Gray services b. The services c. The services d. The services 	Tom Long	4/1/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_and_confidentiality/2023-wmp-discovery2023-dr-cafaoccolca_03	0	NA	8.1,2,2	Grid Design and System Planning	Underpinning of Electric Lines and/or Equipment - Distribution
242	TURN	007	TURN_007	1	TURN_007_01	<p>1. Regarding the 2023-2026 Underpinning Workplan referenced on page 91 of the WMP (R1) and provided in Excel format in response to TURN data request 2-4:</p> <p>2. Please explain how the WMP (R1) was used in developing the workplan.</p> <p>3. Please explain what measures PG&E used to prioritize projects in the workplan and such measures (if any) used.</p> <p>4. Please add to the Excel spreadsheet columns showing the SWHSE and WFE for each listed circuit segment.</p> <p>5. Compare the Workplan in Table 7-2 of the WMP (R1) please explain how the RFD in Table 7-2 is a given circuit segment to the Planned LG in Columns V through AA of the Underpinning Workplan. For example, the second highest risk circuit segment in Table 7-2, Borneo Neck 11013CB, is shown in brown in Table 7-2 for a given circuit segment. Please also specify, explain, for the Borneo Neck 11013CB circuit segment, why the circuit underpinning mitigation only specifically requires a small portion of the mileage identified in Table 7-2.</p>	Matthew Tsai	4/1/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_and_confidentiality/2023-wmp-discovery2023-dr-cafaoccolca_03	1	Yes	8.1,2,2	Grid Design and System Planning	Underpinning of Electric Lines and/or Equipment - Distribution
243	TURN	007	TURN_007	2	TURN_007_02	<p>Regarding Table 7-2 in the WMP (R1) and the Overall Risk Score values in Table 7-2 are the sum of Underpinning Risk Score and the Total PPSIS Risk Score. Please explain how these values are the Overall Risk Score values calculated. Please include the calculation for the overall risk score.</p> <p>1. The overall risk score is calculated by adding the Underpinning Risk Score and the Total PPSIS Risk Score. The overall risk score is calculated by adding the Underpinning Risk Score and the Total PPSIS Risk Score.</p> <p>2. The overall risk score is calculated by adding the Underpinning Risk Score and the Total PPSIS Risk Score.</p>	Tom Long	4/1/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_and_confidentiality/2023-wmp-discovery2023-dr-cafaoccolca_03	1	NA	7.1,3	WMP Mitigation Strategy Development	Risk-Informed Prioritization

244	TURN	007	TURN_007	3	TURN_007_03	<p>Regarding the System Hardening Workplan provided in Attachment 1 to the response to TURN data request 2.2 which is turned on for a response provided to Cal AdCom:</p> <p>1. The fact that in the Cost worksheet in column "S1" (Worksheet "Cost", which supports that the response to Cal AdCom was taken from a document) that also included the years 2025 and 2026. Please provide the most up-to-date version of the worksheet for the period 2025-2026. Include the date of the information in the worksheet that is provided.</p> <p>2. It is requested that some of the cost segments listed at high risk in Table 7.2 of the WMP and in the 2023-2026 Underlying Work Plan referenced on page 10 of the WMP (P.1), are: Items 1104CB and 2023-2026 1101 (Borne Hawk 1102CB in a sheet), are not included in the worksheet. Please explain why this is the case, even though the worksheet includes planned underlying risks.</p> <p>3. Are there discrepancies in the terms of the cost segment between this worksheet, and Table 7.2 and the 2023-2026 Underlying Work Plan referenced on page 10 of the WMP (P.1), are, please modify the terms of the worksheet provided in response to "X" to make the cost segment terms consistent with Table 7.2 and the 2023-2026 Underlying Work Plan referenced on page 10 of the WMP (P.1).</p>	Tom Long	4/01/2023	4/07/2023	4/07/2023	<p>https://www.pge.com/eas_global/documents/turn_007_03_01.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_03_02.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_03_03.pdf</p>	1	Yes	8.1.1.2	Old Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
245	TURN	007	TURN_007	4	TURN_007_04	<p>Regarding Attachment 2023-03-27_PGE_2023_WMP_P1_Section 6.2_A201, which is referenced on page 165, 16, 77 of the WMP (P.1):</p> <p>a. Please provide a verification that the Cost worksheet that includes the same information for all of PGE's HFTD circuit segments, or as many of those segments for which PGE has such information.</p> <p>b. If PGE has complete information for its established HFTD segments, please provide that information.</p> <p>c. Has PGE calculated RSEs at the circuit segment level for all of the various mitigation shown in this worksheet? If so, which mitigation?</p> <p>d. Provide the calculated RSEs, preferably an additional column in the worksheet(s) in response to BP (2024) "X" and (X)2025.</p> <p>e. Regarding the Covered Conductor Mitigation Effectiveness values in Column U (2022), AE (2022), BP (2024) and (X)2025.</p> <p>f. Please explain how these values were determined.</p> <p>g. Why are the values for 2022-2025 much lower than the values for 2022?</p> <p>h. Why do the values differ (slightly) based on circuit segment?</p> <p>i. Are the values shown the values that are being used in PGE's process for selecting among different wildfire mitigation technologies, as an information source, in support of the final selection.</p> <p>PSGE slides in response to Question 7(d) of CalAdCom's PGE-2023WMP-15:</p> <p>Vegetation Management for Operational Mitigation (VMO) will be primarily focused on HFTD and HFRAs. These are areas where a circuit segment may cross in or out of HFTD/HFRAs. VMO will complete the work on the whole circuit segment including the areas outside HFTD/HFRAs. Focused Tree Inspections are planned only for portions of the line developed for 2023.</p> <p>a) Is it correct to interpret the statement above to mean that Focused Tree Inspections will take place only for portions of the line developed for 2023?</p> <p>b) If correct, this inspection will take place only in 1D areas and in HFRAs. Please explain why.</p> <p>c) WIP Focused Tree Inspections will take place only in HFTD after the year 2023.</p> <p>d) If yes, please state when in addition to the HFTD Focused Tree Inspections are likely to take place after the year 2023.</p>	Tom Long	4/01/2023	4/08/2023	4/08/2023	<p>https://www.pge.com/eas_global/documents/turn_007_04_01.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_04_02.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_04_03.pdf</p>	0	NA	6.4.2	Risk Methodology and Assessment	Top Risk Contributing Circuit Segments
246	CaPA	Sat WMP-18	CaPA_Sat WMP-18	1	CaPA_Sat WMP-18_01	<p>PSGE slides in response to Question 7(d) of CalAdCom's PGE-2023WMP-15:</p> <p>Vegetation Management for Operational Mitigation (VMO) will be primarily focused on HFTD and HFRAs. These are areas where a circuit segment may cross in or out of HFTD/HFRAs. VMO will complete the work on the whole circuit segment including the areas outside HFTD/HFRAs. Focused Tree Inspections are planned only for portions of the line developed for 2023.</p> <p>a) Is it correct to interpret the statement above to mean that Focused Tree Inspections will take place only for portions of the line developed for 2023?</p> <p>b) If correct, this inspection will take place only in 1D areas and in HFRAs. Please explain why.</p> <p>c) WIP Focused Tree Inspections will take place only in HFTD after the year 2023.</p> <p>d) If yes, please state when in addition to the HFTD Focused Tree Inspections are likely to take place after the year 2023.</p>	Holly Whitman	4/04/2023	4/07/2023	4/07/2023	<p>https://www.pge.com/eas_global/documents/turn_007_04_01.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_04_02.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_04_03.pdf</p>	0	NA	8.2.2.6	Vegetation Management and Inspections	Discouraged Programs
247	CaPA	Sat WMP-18	CaPA_Sat WMP-18	2	CaPA_Sat WMP-18_02	<p>PSGE slides in response to Question 7(d) of CalAdCom's PGE-2023WMP-15 that "PSGE intends to back-test identified for work under VMO and F1 using the OeVim tool."</p> <p>Please provide the following information:</p> <p>a) Is it supported?</p> <p>b) How does this tool (i.e., what mechanisms or procedures it will use to achieve outputs)</p> <p>c) When the tool was developed</p> <p>d) When PGE will begin utilizing the tool.</p>	Holly Whitman	4/04/2023	4/07/2023	4/07/2023	<p>https://www.pge.com/eas_global/documents/turn_007_04_01.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_04_02.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_04_03.pdf</p>	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
248	CaPA	Sat WMP-18	CaPA_Sat WMP-18	3	CaPA_Sat WMP-18_03	<p>PSGE slides in response to Question 7(d) of CalAdCom's PGE-2023WMP-15: "VM EPISS-enabled geodata was used to determine both a planned cut forecast and identify CPDs where EPISS Outages take place."</p> <p>Please explain what "planned cut forecast" refers to in the above location.</p>	Holly Whitman	4/04/2023	4/07/2023	4/07/2023	<p>https://www.pge.com/eas_global/documents/turn_007_04_01.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_04_02.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_04_03.pdf</p>	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
249	CaPA	Sat WMP-18	CaPA_Sat WMP-18	4	CaPA_Sat WMP-18_04	<p>PSGE slides in response to Question 7(d) of CalAdCom's PGE-2023WMP-15 that the forecast with intent to ramp up availability 3 years to a starting point to plan the pace of work completion however, the lessons learned will inform the completion timing."</p> <p>Please explain your reasoning for using nine years as a "starting point."</p> <p>a) Please explain how you arrived at nine years to plan the pace of work completion? Please explain.</p> <p>b) Does PGE consider duration other than nine years to plan the pace of work completion? Please explain.</p> <p>c) Does PGE consider duration other than nine years to plan the pace of work completion? Please explain.</p> <p>d) How does transitioning from 9 VM to three new programs result in a cost reduction?</p> <p>e) Please provide the following information about anticipated VM cost reductions from underpinning in the below table:</p> <p>Year</p> <p>Number of Underpinning Miles to be Completed</p> <p>Planned reduction in Number of Routine VM Miles</p> <p>Amount of Routine VM Cost Savings from Underpinning (\$\$)</p> <p>2023</p> <p>2024</p> <p>2025</p>	Holly Whitman	4/04/2023	4/07/2023	4/07/2023	<p>https://www.pge.com/eas_global/documents/turn_007_04_01.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_04_02.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_04_03.pdf</p>	0	NA	8.2.2.4	Vegetation Management and Inspections	Quality Control
250	CaPA	Sat WMP-18	CaPA_Sat WMP-18	5	CaPA_Sat WMP-18_05	<p>PSGE slides in response to Question 7(d) of CalAdCom's PGE-2023WMP-15: "PSGE intends to back-test identified for work under VMO and F1 using the OeVim tool."</p> <p>Please provide the following information:</p> <p>a) Is it supported?</p> <p>b) How does this tool (i.e., what mechanisms or procedures it will use to achieve outputs)</p> <p>c) When the tool was developed</p> <p>d) When PGE will begin utilizing the tool.</p>	Holly Whitman	4/04/2023	4/07/2023	4/07/2023	<p>https://www.pge.com/eas_global/documents/turn_007_04_01.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_04_02.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_04_03.pdf</p>	0	NA	8.2.5.2	Vegetation Management and Inspections	Quality Control
250	CaPA	Sat WMP-18	CaPA_Sat WMP-18	5	CaPA_Sat WMP-18_05_SUPP	<p>PSGE slides in response to Question 7(d) of CalAdCom's PGE-2023WMP-15: "PSGE intends to back-test identified for work under VMO and F1 using the OeVim tool."</p> <p>Please provide the following information:</p> <p>a) Is it supported?</p> <p>b) How does this tool (i.e., what mechanisms or procedures it will use to achieve outputs)</p> <p>c) When the tool was developed</p> <p>d) When PGE will begin utilizing the tool.</p>	Holly Whitman	4/04/2023	4/08/2023	4/08/2023	<p>https://www.pge.com/eas_global/documents/turn_007_04_01.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_04_02.pdf</p> <p>https://www.pge.com/eas_global/documents/turn_007_04_03.pdf</p>	0	NA	8.2.5.2	Vegetation Management and Inspections	Quality Control

Table with 13 columns: ID, Agency, Section, Title, Description, Comments, Status, Date, etc. Rows 314-321 provide details on electrical line and equipment distribution, conductor installation, and system hardware.

333	OESB	004	OESB_004	7	OESB_004_07	<p>Regulating Vegetation-Caused Outages</p> <p>Provide the following table of vegetation-caused outages by mode of failure in the HFTD between 2015 and 2022 broken out by year. PG&E may add additional rows (i.e., mode of failure if needed).</p> <p>VEGETATION CAUSES OUTAGE MODE OF FAILURE</p> <p>2015 2016 2017 2018 2019 2020 2021 2022</p> <p>Branch (total < 10k) Branch (within radial, 4-120k) Branch (overhead) Branch (radial, distance Unbraced) Branch (overhead) Dead Tree Tree Fall (unbraced-owners default) Tree Fall (upright default) Tree Fall (down) Tree Cover Into Other (Unbraced)</p> <p>TOTAL</p> <p>Regulating Vegetation Hazards Mitigated by PSPS</p> <p>Does PG&E have data on vegetation hazards mitigated by PSPS? If so, provide the following table of vegetation hazards mitigated by mode of failure in the HFTD between 2015 and 2022, broken out by year. PG&E may add additional rows (i.e., mode of failure if needed).</p> <p>MODE OF FAILURE FOR VEGETATION HAZARDS MITIGATED BY PSPS</p> <p>2015 2016 2017 2018 2019 2020 2021 2022</p> <p>Branch (total < 10k) Branch (within radial, 4-120k) Branch (overhead) Branch (radial, distance Unbraced) Branch (overhead) Dead Tree Tree Fall (unbraced-owners default) Tree Fall (upright default) Tree Fall (down) Tree Cover Into Other (Unbraced)</p> <p>TOTAL</p>	Colin Lang	5/4/2023	5/8/2023	5/9/2023	1	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-22-28 - Progression of Effectiveness of ET Clearance Joint Study
334	OESB	004	OESB_004	8	OESB_004_08	<p>Regulating Vegetation Hazards Mitigated by PSPS</p> <p>Does PG&E have data on vegetation hazards mitigated by PSPS? If so, provide the following table of vegetation hazards mitigated by mode of failure in the HFTD between 2015 and 2022, broken out by year. PG&E may add additional rows (i.e., mode of failure if needed).</p> <p>MODE OF FAILURE FOR VEGETATION HAZARDS MITIGATED BY PSPS</p> <p>2015 2016 2017 2018 2019 2020 2021 2022</p> <p>Branch (total < 10k) Branch (within radial, 4-120k) Branch (overhead) Branch (radial, distance Unbraced) Branch (overhead) Dead Tree Tree Fall (unbraced-owners default) Tree Fall (upright default) Tree Fall (down) Tree Cover Into Other (Unbraced)</p> <p>TOTAL</p> <p>Regulating Vegetation Hazards Mitigated by PSPS</p> <p>Does PG&E have data on vegetation hazards mitigated by PSPS? If so, provide the following table of vegetation hazards mitigated by mode of failure in the HFTD between 2015 and 2022, broken out by year. PG&E may add additional rows (i.e., mode of failure if needed).</p> <p>MODE OF FAILURE FOR VEGETATION HAZARDS MITIGATED BY PSPS</p> <p>2015 2016 2017 2018 2019 2020 2021 2022</p> <p>Branch (total < 10k) Branch (within radial, 4-120k) Branch (overhead) Branch (radial, distance Unbraced) Branch (overhead) Dead Tree Tree Fall (unbraced-owners default) Tree Fall (upright default) Tree Fall (down) Tree Cover Into Other (Unbraced)</p> <p>TOTAL</p>	Colin Lang	5/4/2023	5/8/2023	5/9/2023	0	NA	9.2.2	Public Safety Power Shutoff	Method Used to Compare and Evaluate the Relative Consequence of PSPS and Wildfires
335	OESB	004	OESB_004	9	OESB_004_09	<p>Regulating Coordination with Other Utilities on PSPS Wind Thresholds</p> <p>PG&E has coordinated with the joint O&U team. PG&E has performed additional studies to evaluate how covered conductors can reduce system risk compared to bare conductors.</p> <p>1. In the covered conductor study, PG&E used the Covered Conductor Effectiveness Study (Table 8.6.6, Line 17) multiplied by the probability of catastrophic fire (the Potential Index). Thus, we would not adjust the threshold at which PSPS is executed (each case is scoped for PSPS at a case-by-case threshold) based on covered conductors.</p> <p>2. PG&E does, however, incorporate new outage data each year into our Outage Producing Winds (OPW) and Ignition Probability Weather (IPW) machine learning models. These models account for any updated new outage or ignition responses in real time at the grid, including those due to asset-outage-related covered conductor in addition. PG&E also explores if adding covered conductor as a feature of the IPW model in future iterations provides benefits (see Objective SA-4).</p> <p>3. Please reference WMP Discovery22_01R_OESB_004(OESB0401) sheet for a list of historical O&U covered conductor projects as well as a list of forecasted projects to be added covered conductors.</p>	Colin Lang	5/4/2023	5/8/2023	5/9/2023	1	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-22-31 - PSPS Wind Threshold Change Evaluations
336	OESB	004	OESB_004	10	OESB_004_10	<p>Regulating Tree Fall and PSPS</p> <p>PG&E has coordinated with the joint O&U team. PG&E has performed additional studies to evaluate how covered conductors can reduce system risk compared to bare conductors.</p> <p>1. In the covered conductor study, PG&E used the Covered Conductor Effectiveness Study (Table 8.6.6, Line 17) multiplied by the probability of catastrophic fire (the Potential Index). Thus, we would not adjust the threshold at which PSPS is executed (each case is scoped for PSPS at a case-by-case threshold) based on covered conductors.</p> <p>2. PG&E does, however, incorporate new outage data each year into our Outage Producing Winds (OPW) and Ignition Probability Weather (IPW) machine learning models. These models account for any updated new outage or ignition responses in real time at the grid, including those due to asset-outage-related covered conductor in addition. PG&E also explores if adding covered conductor as a feature of the IPW model in future iterations provides benefits (see Objective SA-4).</p> <p>3. Please reference WMP Discovery22_01R_OESB_004(OESB0401) sheet for a list of historical O&U covered conductor projects as well as a list of forecasted projects to be added covered conductors.</p>	Colin Lang	5/4/2023	5/8/2023	5/9/2023	0	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-22-31 - PSPS Wind Threshold Change Evaluations
337	OESB	004	OESB_004	11	OESB_004_11	<p>Regulating Tree Fall and PSPS</p> <p>PG&E has coordinated with the joint O&U team. PG&E has performed additional studies to evaluate how covered conductors can reduce system risk compared to bare conductors.</p> <p>1. In the covered conductor study, PG&E used the Covered Conductor Effectiveness Study (Table 8.6.6, Line 17) multiplied by the probability of catastrophic fire (the Potential Index). Thus, we would not adjust the threshold at which PSPS is executed (each case is scoped for PSPS at a case-by-case threshold) based on covered conductors.</p> <p>2. PG&E does, however, incorporate new outage data each year into our Outage Producing Winds (OPW) and Ignition Probability Weather (IPW) machine learning models. These models account for any updated new outage or ignition responses in real time at the grid, including those due to asset-outage-related covered conductor in addition. PG&E also explores if adding covered conductor as a feature of the IPW model in future iterations provides benefits (see Objective SA-4).</p> <p>3. Please reference WMP Discovery22_01R_OESB_004(OESB0401) sheet for a list of historical O&U covered conductor projects as well as a list of forecasted projects to be added covered conductors.</p>	Colin Lang	5/4/2023	5/8/2023	5/9/2023	1	NA	7.1.4	Wildfire Mitigation Strategy Development	Identifying and Evaluating Mitigation Options
338	OESB	004	OESB_004	12	OESB_004_12	<p>Regulating PSPS Loadshed</p> <p>PG&E has coordinated with the joint O&U team. PG&E has performed additional studies to evaluate how covered conductors can reduce system risk compared to bare conductors.</p> <p>1. In the covered conductor study, PG&E used the Covered Conductor Effectiveness Study (Table 8.6.6, Line 17) multiplied by the probability of catastrophic fire (the Potential Index). Thus, we would not adjust the threshold at which PSPS is executed (each case is scoped for PSPS at a case-by-case threshold) based on covered conductors.</p> <p>2. PG&E does, however, incorporate new outage data each year into our Outage Producing Winds (OPW) and Ignition Probability Weather (IPW) machine learning models. These models account for any updated new outage or ignition responses in real time at the grid, including those due to asset-outage-related covered conductor in addition. PG&E also explores if adding covered conductor as a feature of the IPW model in future iterations provides benefits (see Objective SA-4).</p> <p>3. Please reference WMP Discovery22_01R_OESB_004(OESB0401) sheet for a list of historical O&U covered conductor projects as well as a list of forecasted projects to be added covered conductors.</p>	Colin Lang	5/4/2023	5/8/2023	5/9/2023	0	NA	6.2	Risk Analysis Framework	Risk Analysis Framework
339	OESB	004	OESB_004	13	OESB_004_13	<p>Regulating PSPS Loadshed</p> <p>PG&E has coordinated with the joint O&U team. PG&E has performed additional studies to evaluate how covered conductors can reduce system risk compared to bare conductors.</p> <p>1. In the covered conductor study, PG&E used the Covered Conductor Effectiveness Study (Table 8.6.6, Line 17) multiplied by the probability of catastrophic fire (the Potential Index). Thus, we would not adjust the threshold at which PSPS is executed (each case is scoped for PSPS at a case-by-case threshold) based on covered conductors.</p> <p>2. PG&E does, however, incorporate new outage data each year into our Outage Producing Winds (OPW) and Ignition Probability Weather (IPW) machine learning models. These models account for any updated new outage or ignition responses in real time at the grid, including those due to asset-outage-related covered conductor in addition. PG&E also explores if adding covered conductor as a feature of the IPW model in future iterations provides benefits (see Objective SA-4).</p> <p>3. Please reference WMP Discovery22_01R_OESB_004(OESB0401) sheet for a list of historical O&U covered conductor projects as well as a list of forecasted projects to be added covered conductors.</p>	Colin Lang	5/4/2023	5/8/2023	5/9/2023	1	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-22-33 - Progress on Filig Asset Inventory Data

340	DEIS	004	004	DEIS_004_14	DEIS_004_014	<p>Regarding PG&E's Live of Downed Conductor Detection (DCD) and Partial Voltage Detection (PVD)</p> <p>a. Provide any analysis completed on reliability impacts due to DCD, including:</p> <ol style="list-style-type: none"> The number of outages that occurred due to DCD in 2022 and 2023 The number of outages broken down by cause. Based on ignition drivers listed in Table 6 of the GOR that occurred due to DCD in 2022 and 2023 Criteria used for DCD enablement (if applicable) The number of field customer notices identified from DCD outages Any mitigations PG&E is using to reduce reliability impacts from DCD implementation, including lessons learned from existing <p>b. Provide any analysis completed on reliability impacts due to PVD, including:</p> <ol style="list-style-type: none"> The number of outages that occurred due to PVD in 2022 and 2023 The number of outages broken down by cause. Based on ignition drivers listed in Table 6 of the GOR that occurred due to PVD in 2022 and 2023 Criteria used for PVD enablement (if applicable) The number of field customer notices identified from PVD outages Any mitigations PG&E is using to reduce reliability impacts from PVD implementation, including lessons learned from existing <p>c. When evaluating outages due to EPSS, are DCD and PVD outages included as part of that evaluation?</p> <p>d. If so, what is the number of additional outages caused by PVD and DCD respectively in 2022?</p> <p>e. If not, how does PG&E account for and track any associated reliability and safety impacts from DCD and PVD implementation, and how does that align changes to the two programs?</p>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	0	NA	8.1.2.10.1	Old Design and System Hardening	Downed Conductor Detection
341	DEIS	004	004	DEIS_004_15	DEIS_004_015	<p>Regarding Feasibility Constraints</p> <p>PG&E must provide an evaluation of how, if at all, feasibility constraints impact the decision making of its Wildlife Governance Steering Committee in selecting a portfolio of mitigation measures that deviates from the risk information available. This should include:</p> <ol style="list-style-type: none"> A flowchart or explanation of decision-making process by the Wildlife Governance Steering Committee, including the criteria used to evaluate alternatives The correlation between non-V3 risk subtypes and WFE Any associated shifts in prioritization due to implementing feasibility constraints A list of any projects not included within DC scope due to feasibility constraints 	Colin Lang	5/4/2023	5/9/2023	5/9/2023	1	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-23-34 - Review Process of Prioritizing Wildlife Mitigation
342	DEIS	004	004	DEIS_004_16	DEIS_004_016	<p>Regarding Effectiveness of EPSS</p> <p>a. Provide the formula and calculations used by PG&E to determine the effectiveness of EPSS.</p> <p>b. Provide analysis demonstrating adequate overlap between EPSS risk and wildfire risk to ensure PG&E's mitigations are directly addressing wildfire risk opposed to stability.</p> <p>c. Provide PG&E's rationale for resourcing EPSS-derived mitigation measures, including rates and work hours shifted across from wildfire risk mitigations. This should also include asset management related mitigations.</p>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	2	NA	8.1.8.1.1	Old Design, Operations and Maintenance	Protective Equipment and Device Settings
343	DEIS	004	004	DEIS_004_17	DEIS_004_017	<p>Regarding PG&E's Underpinning Program</p> <p>a. Provide the correlation V2 and V3 risk scores of the 2022 WMP vs. 2023 WMP underpinning scope for 2023. This should not include nor account for feasibility.</p> <p>b. Provide the analysis on the remaining risk of the risks no longer scoped for underpinning, including:</p> <ol style="list-style-type: none"> Items mitigations being put into place for underpinning in the future The number of risks scoped for the future (per 2023) Alternative mitigations being used if no longer scoped for underpinning in the future <p>* being enhanced protective safety settings (EPSS) that automatically turn off power within one-half of a second if a wildfire threat is detected.</p> <p>* Deploying PPS to reduce wildfire risk during extreme weather conditions while reducing impacts from PPS outages through targeted grid reconfiguration and reconfiguration in weather-impacted areas. Identify reconfiguring power outages for customers who are not directly impacted, and</p> <p>* Considering street tree removal and repair, and vegetation management.</p> <p>At the time of filing the WMP and preparing the workshop dated January 3, 2023, we did not have any projects planned in 2023. Based on identified history of additional future underpinning projects, the projects completed to date this year, and the ongoing review of the underpinning portfolio, there are approximately 350 risks under consideration for 2023. A list of the most at-risk:</p> <ol style="list-style-type: none"> Yes Correct the intent of calculating SWRSE and WFE was to support the selection process for targeted underpinning projects only We agree with a and b as stated above, with additional clarification about how WFE was used in the development of other mitigation approaches. The WFE score is used to prioritize and select highest-risk-out-of-effectiveness circuit segments with the highest risk scores will be placed underground. The installed project is being performed by PG&E's engineering team, portions of circuit segments may be identified as infeasible to be placed underground for various environmental, operational, or technical reasons. In those cases, portions of the circuit segments selected using WFE may be hardened through the removal and/or construction of alternative, instead of underpinning. 	Colin Lang	5/4/2023	5/9/2023	5/9/2023	2	NA	8.1.2.2	Old Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
344	TURN	012	012	TURN_012_1	TURN_012_01	<p>1. Please confirm that the Simplified Wildfire Risk Speed Efficiency (SWRSE) and Wildfire Feasibility Equivalence (WFE) measures discussed on page 68 of PG&E's WMP</p> <p>a. Are any calculated by PG&E for underpinning projects and</p> <p>b. Can they be used to compare the effectiveness of underpinning projects with the identified project being performed by PG&E's engineering team, portions of circuit segments may be identified as infeasible to be placed underground for various environmental, operational, or technical reasons. In those cases, portions of the circuit segments selected using WFE may be hardened through the removal and/or construction of alternative, instead of underpinning.</p>	Tom Long	5/4/2023	5/11/2023	5/11/2023	0	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-23-34 - Review Process of Prioritizing Wildlife Mitigation

ID	Requester	Request Type	Request ID	Request Description	Response	Response Date	Response Status	Response Details	Response URL	Response Title	Response Content	
345	TURN	012	TURN_012	2	TURN_012_Q2	2	TURN_012_Q2	2	TURN_012_Q2	2	TURN_012_Q2	2
346	CPUC - SPD (Safety Policy Decision)	004	CPUC - SPD (Safety Policy Decision)_004	1	CPUC - SPD (Safety Policy Decision)_004_Q1	1	CPUC - SPD (Safety Policy Decision)_004_Q1	1	CPUC - SPD (Safety Policy Decision)_004_Q1	1	CPUC - SPD (Safety Policy Decision)_004_Q1	1
347	CPUC - SPD (Safety Policy Decision)	004	CPUC - SPD (Safety Policy Decision)_004	2	CPUC - SPD (Safety Policy Decision)_004_Q2	2	CPUC - SPD (Safety Policy Decision)_004_Q2	2	CPUC - SPD (Safety Policy Decision)_004_Q2	2	CPUC - SPD (Safety Policy Decision)_004_Q2	2
348	CPUC - SPD (Safety Policy Decision)	004	CPUC - SPD (Safety Policy Decision)_004	3	CPUC - SPD (Safety Policy Decision)_004_Q3	3	CPUC - SPD (Safety Policy Decision)_004_Q3	3	CPUC - SPD (Safety Policy Decision)_004_Q3	3	CPUC - SPD (Safety Policy Decision)_004_Q3	3
349	CPUC - SPD (Safety Policy Decision)	004	CPUC - SPD (Safety Policy Decision)_004	4	CPUC - SPD (Safety Policy Decision)_004_Q4	4	CPUC - SPD (Safety Policy Decision)_004_Q4	4	CPUC - SPD (Safety Policy Decision)_004_Q4	4	CPUC - SPD (Safety Policy Decision)_004_Q4	4
350	CPUC - SPD (Safety Policy Decision)	004	CPUC - SPD (Safety Policy Decision)_004	5	CPUC - SPD (Safety Policy Decision)_004_Q5	5	CPUC - SPD (Safety Policy Decision)_004_Q5	5	CPUC - SPD (Safety Policy Decision)_004_Q5	5	CPUC - SPD (Safety Policy Decision)_004_Q5	5
351	CPUC - SPD (Safety Policy Decision)	004	CPUC - SPD (Safety Policy Decision)_004	6	CPUC - SPD (Safety Policy Decision)_004_Q6	6	CPUC - SPD (Safety Policy Decision)_004_Q6	6	CPUC - SPD (Safety Policy Decision)_004_Q6	6	CPUC - SPD (Safety Policy Decision)_004_Q6	6
352	CHPA	Set WMP-24	CHPA_Set WMP-24	1	CHPA_Set WMP-24_Q1	1	CHPA_Set WMP-24_Q1	1	CHPA_Set WMP-24_Q1	1	CHPA_Set WMP-24_Q1	1
353	MGRA	Data Request No. 5	MGRA_Data Request No. 5	1	MGRA_Data Request No. 5_Q1	1	MGRA_Data Request No. 5_Q1	1	MGRA_Data Request No. 5_Q1	1	MGRA_Data Request No. 5_Q1	1
354	MGRA	Data Request No. 5	MGRA_Data Request No. 5	2	MGRA_Data Request No. 5_Q2	2	MGRA_Data Request No. 5_Q2	2	MGRA_Data Request No. 5_Q2	2	MGRA_Data Request No. 5_Q2	2
355	MGRA	Data Request No. 5	MGRA_Data Request No. 5	3	MGRA_Data Request No. 5_Q3	3	MGRA_Data Request No. 5_Q3	3	MGRA_Data Request No. 5_Q3	3	MGRA_Data Request No. 5_Q3	3
356	MGRA	Data Request No. 5	MGRA_Data Request No. 5	4	MGRA_Data Request No. 5_Q4	4	MGRA_Data Request No. 5_Q4	4	MGRA_Data Request No. 5_Q4	4	MGRA_Data Request No. 5_Q4	4

391	OBIS	009	008	008_008_004	008_008_004	<p>Registering PG&E's response to TURN DRI 10 Question 4</p> <p>A. Provide attachment 1 with the following additional columns:</p> <ol style="list-style-type: none"> Length of line (mi) V3 Risk Score V3 Risk Rank If not included above, provide the V3 risk rank for the following CPZs, and explain why they are not included in the above: <p>BRUNSWICK 11068100 GREEN VALLEY 21011004 GREEN VALLEY 210112108 GREEN VALLEY 210138620 LAURELS 110566240 LAURELS 11120280 MADISON 21011608 MORGAN HILL 211109588 NARROWS 21022220 NARROWS 21022218 NARROWS 2102438 NARROWS 2102748 PANDORAMA 11021342 PANDORAMA 11021028 PERDUE RIFERS 01010181 RINGLE SPRINGS 21091332 SHELLE SPRINGS 21090372 SILVERADO 21028268 TEMPLETON 21005160 WISE 1022200</p> <p>PG&E approves the timely response and provision of ignition data as requested, via "WMP-Discovery2023_DRI_SFD_004-0001A001" However, it appears the data in Columns U ("Damage Date") and V ("Damage Time") were provided in an incorrect format for use beyond the 400 PG&E units to reconcile the data with current outage data and time information. Please provide a corrected data file with rows beyond row 400 in the correct format (Use date format 'Y' as time format). Rows 1-400 of the spreadsheet are in the correct format.</p> <p>Provide corrections in the spreadsheet and explain:</p> <ol style="list-style-type: none"> Must, if not all, of PG&E's undergrounding projects have associated secondary and service lines because our customers are served through those facilities. PG&E's GIS system does not accurately represent the secondary and service conductors in each way that we could calculate the release of secondary and service conductors at ground level for underground projects. It results in very different and/or limited ability to calculate secondary and service conductor release risk. PG&E will calculate secondary and service conductor release risk based on the existing primary trench and depending on where the new post-mounted transformers are installed. Secondary conductors and service lines are installed by installing open-wire secondary, gray services, tree connects, and installing treasurers connectors with the original distribution conductors. PG&E calculates the 18 percent risk reduction using the same process as outlined in Section 7.2.1 of the 2023-2025 WMP and as provided in attachment WMP_Discovery2023_DRI_SFD_008-0001A001.xlsx. The attachment incorporates the 2023-2025 Undergrounding Workplan (that with the 2023-2025 WMP R1) in attachment 2023-02-02 PG&E_2023_WMP_R1 Appendix C ACI PG&E 22-09-A0001 (COP) as related to the WMP targets and compares the risk reduction based on WDRD R1. The attachment explains why target 2023-02-02 PG&E_2023_WMP_R1_Section 8.4.2, A001401 (as provided with PG&E April 26, 2023 email submissions) with the 2023 risk reduction impacts seen on Table DRI Columns E and V and the resulting 18% can be seen on cell F1010. In the data response, PG&E calculated the risk reduction based on its undergrounding target (24.90%) the 2023-2025 WMP is based on initial utility risk. PG&E used the same WDRD R1s based on the starting risk scores from the 2023-01-01 risk models. Note, WDRD R1s based on initial segment properties of 4/10/2023. To arrive at the 2023 baseline, PG&E used the same WDRD R1s based on the 2023 undergrounding and electrical hardening work in order to calculate the 18 percent wildfire risk reduction. 2023 undergrounding did not account as described in the table of the responses to this question above. See the following table for the results of the calculations for each year: <p>Year Risk Reduction 2023 0.38% 2023 1.72% 2024 0.98% 2025 4.96% 2026 3.25% Total 18.42%</p> <ol style="list-style-type: none"> WDRD R1s used for the calculation. In those instances where an associated project was selected based on WDRD R1, PG&E finalized the associated ground project and calculated risk reduction based off WDRD R1 risk scores. All projects in the 2023-2025 WMP are aligned with the appropriate WDRD R1s based on the community wildfire risk reduction. PG&E will determine a directed strategy to calculate wildfire risk reduction. The strategy is designed to include benefits and credits that can be used to mitigate risk and fire under non-PPSP conditions. See PG&E's 2023 WMP, Section 8.1.8 PPSP indicators of operational maturity, flexibility, and system resilience is based on but not limited to: <ul style="list-style-type: none"> Developed processes in the PPSP selection making process by reviewing information provided by our SMEs and determining what there is an innovation and significant risk of along which impacting PG&E assets and a significant risk of large, destructive wildfires should ignition occur (see section 8.2.3 of PG&E's 2023 WMP). Improved weather forecasting and spotting capabilities by utilizing Catastrophe Fire Probability models which employ granular spotting processes to specifically reduce the public safety impacts of over-forecasting by recognizing smaller segments of the grid within the close confines of the critical weather footprint, rather than the larger targeting amounts of customers. New equipment assets (see section 8.1.7 of PG&E's 2023 WMP). Making extensive use of Advanced Notifications and outreach tools to notify residential customers of the expected outages (see section 8.4.2.2 of PG&E's 2023 WMP). Using an extensive cameras, 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 Alert Crew" times to move process. Mobile teams to get customers back to service faster (see section 7.3.2.1 of PG&E's 2023 WMP). Reaching and increasing resources for restoration efforts, including use of helicopter (see section 8.2.3 of PG&E's 2023 WMP). "Alert Crew" restorative services with tools that can be possible subject to operational safety and ability to access equipment for public and any needed repairs (see section 7.3.6 of PG&E's 2023 WMP). Supporting vulnerable customers through California Foundation for Independent Living Centers (CILC) and Community Based Organizations (CBO) rescue services that address unique situations of customers impacted by the event. Note: PG&E has a critical alert and outreach of new personnel in its Emergency Operations Center (EOC) As such, we use at various stages of training completion. In addition, different positions within the EOC require different levels of training. Some of the courses of the more advanced level are instructor led and offered quarterly. PG&E is increasing the number of instructors that are able to increase these offerings in 2024. <p>PG&E is able to verify that a message was delivered to the phone number and/or email address on file for the customer or record associated with the premises identified as requested by a customer. PG&E messages and/or outreach due to a wildfire. Phone number and/or email address are requested at the time an account is established and are verified when a customer logs into My Account at pg.com on an annual basis and/or if a customer speaks with Contact Center Customer Service Representative (CSR) and has not verified contact information in the past 60 days. For CSR contacts, we verify the risk updated contact information for customers of recent wildfire safety-related customer-related incidents a standard call to action to update contact information. In addition, Business Energy Institute Account Reps engage with critical facilities and infrastructure, telecommunications and other providers and PG&E contractors to help identify high risk events and help them be prepared for those events. PG&E uses ES&S annually to confirm contact information for the purposes of outage notification. Contact information in the C&B and Payment systems are updated on a regular engagement by the A/N Affinity Outreach Program. For customers that are MBL and/or SV, we conduct a weekly campaign to verify risk and email to customer contact information updates. We conduct a weekly review to identify customers with alternative mailing or updated contact information as documented in Customer Care and Billing System (CC&B). Additionally, we cross-reference contact information submitted through our other program applications (i.e., CAREP&ERA and related to a daily log system between our Salesforce Application (used to process these program applications) and MBL databases within the CC&B system. These weekly daily processes are conducted year-round to help ensure the MBL and SV contact information is current. Local and state agencies and field responses are managed by Local Government Affairs and Public Safety Specialists annually to confirm contact information/identify new contacts for the purposes of outage notification.</p> <p>Our MBL and SV customers are sent annual communication either by email or a postcard (if an email address is not provided by the customer) between March and August, to reinforce the importance of having up-to-date contact information on file and encourage them to provide an alternative means of contact for PG&S notifications. MBL and SV information is updated automatically and in real-time when customer logs into the PG&E account and updates their information or when it is provided by PG&E representatives.</p> <p>Requests to change contact information can be submitted via multiple channels. Requests, there is no dedicated staffing member or requirement that implements changes. For example, contact information can be changed by customers on our website. Contact center system can receive direct calls. Customers can call Daily Contact (DAGC) the MBL and SV customer contact program. We conduct a weekly review to identify customers with alternative mailing or updated contact information documented in our Customer Care and Billing System (CC&B). Additionally, we cross-reference contact information submitted through our other program applications (i.e., CAREP&ERA and related) to run a daily sync between our Salesforce Application (used to process these program applications) and MBL databases within the CC&B system. These weekly and daily processes are conducted year-round to help ensure the MBL and SV contact information is current.</p> <p>PG&E contracts PS&S notifications for medical baseline customer as "received" if one of the following occurs: Customer answers the phone, and confirmation is received back from the customer, e-mail is opened or a link within the e-mail is clicked, or the customer is successfully contacted during a broadcast.</p>	Dakota Smith	5/8/2023	5/8/2023	5/8/2023	1	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-23-34 - Review Process of Priority Wildfire Mitigations
392	CPUC - SFD (Safety Policy Division)	008	008	CPUC - SFD (Safety Policy Division)_008_01REV	CPUC - SFD (Safety Policy Division)_008_01REV	<p>Please see "WMP-Discovery2023_DRI_SFD_008-0001A001" for the updated spreadsheet with the requested corrections to columns U and V.</p>	Kevin Miller	5/8/2023	5/8/2023	5/8/2023	1	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-23-06 - Addressing Increases in Risk Events
393	OBIS	009	009	008_009_001	008_009_001	<p>001 Registering PG&E's Secondary and Service Lines</p> <p>A. What percentage of PG&E's 2023-2025 undergrounding projects have associated secondary or service lines? What is the mileage of such lines?</p> <p>B. What is the extent of undergrounding mileage for secondary or service lines for PG&E's 2023-2025 undergrounding projects? (i.e., for every mile of the undergrounded, how many miles of secondary or service lines remain?)</p> <p>020 pages 348-351 of the 2023 WMP PG&E discusses risk reduction from undergrounding work and states that PG&E will target risk reduction to the highest wildfire risk areas by achieving approximately 18 percent of secondary service lines by the end of 2025. Please elaborate and show how PG&E calculated 18 percent wildfire risk reduction from undergrounding work.</p> <p>030 How many risk reduction miles were achieved for each year?</p> <p>040 Was one version used for some year's risk reduction and another version used for other years? What is any other model used to calculate risk reduction and if so, how?</p>	Dakota Smith	6/1/2023	6/8/2023	6/8/2023	0	NA	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
394	CPUC - SFD (Safety Policy Division)	009	009	CPUC - SFD (Safety Policy Division)_009_01	CPUC - SFD (Safety Policy Division)_009_01	<p>020 page 645 of the 2023 WMP PG&E states there has been a "Reduction in size and duration of PSES events" and claims "This is an indicator of increased operational maturity, flexibility, and system resilience." Is the claim described based on PSES?</p> <p>030 If yes, is it not at least in part or perhaps entirely, that PG&E's increased operational maturity, flexibility, and resilience is also relying on the processes such as ES&S that it has?</p>	Kevin Miller	6/2/2023	6/8/2023	6/7/2023	1	NA	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
395	CPUC - SFD (Safety Policy Division)	009	009	CPUC - SFD (Safety Policy Division)_009_02	CPUC - SFD (Safety Policy Division)_009_02	<p>020 PG&E has less than the required number of personnel with required training for several categories in Table B-20 (PG&E's Personnel Training Programs for Wildfire and PSES Events). Other tables related to staffing tables, for example, all staffing will complete training on time and resources for not all being completed in the timing of table requested process. Why are there less than the required levels of personnel not completing the training?</p>	Kevin Miller	6/2/2023	6/8/2023	6/7/2023	0	NA	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
396	CPUC - SFD (Safety Policy Division)	009	009	CPUC - SFD (Safety Policy Division)_009_03	CPUC - SFD (Safety Policy Division)_009_03	<p>020 PG&E has less than the required number of personnel with required training for several categories in Table B-20 (PG&E's Personnel Training Programs for Wildfire and PSES Events). Other tables related to staffing tables, for example, all staffing will complete training on time and resources for not all being completed in the timing of table requested process. Why are there less than the required levels of personnel not completing the training?</p>	Kevin Miller	6/2/2023	6/8/2023	6/7/2023	0	NA	8.1.3	Grid Operations and Procedures	Personnel Work Procedures and Training in Conditions of Elevated Fire Risk
397	CPUC - SFD (Safety Policy Division)	009	009	CPUC - SFD (Safety Policy Division)_009_04	CPUC - SFD (Safety Policy Division)_009_04	<p>020 PG&E provides means to verify message receipt in Table B-20 (PG&E's Protocols for Emergency Communication to Stakeholder Groups). How accurate is the record information with regard to verifying messages received and sent to intended safety customers (e.g., including, but not limited to, messages or text being sent to a new number or person no longer in the household)?</p>	Kevin Miller	6/2/2023	6/8/2023	6/7/2023	0	NA	8.4.1	Emergency Preparedness	Protocols for Emergency Communications
398	CPUC - SFD (Safety Policy Division)	009	009	CPUC - SFD (Safety Policy Division)_009_05	CPUC - SFD (Safety Policy Division)_009_05	<p>020 PG&E issues notifications to AFNMBL subscribers. How does PG&E ensure that these notifications are received and that contact information is up to date?</p> <p>030 Does PG&E have a notification/escalation/verification system that the contact information on file is current to help ensure that important notices are being received by the intended recipient?</p>	Kevin Miller	6/2/2023	6/8/2023	6/7/2023	0	NA	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations

339	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	6	CPUC - SPD (Safety Policy Division)_009_06	<p>SPGAE monitors pre-pandemic in-person engagement. Does SPGAE have data comparing pre-pandemic engagement to pandemic (business engagement efforts and among other things, attendance)? For instance, are there metrics/data regarding non-APNMB and APNMB?</p> <p>While in-person events are beneficial for a specific community, virtual events have been more prevalent than in-person events. We have been able to attend and host virtual events and have been able to engage with customers in a virtual format. We have also been able to host virtual events in a virtual format. We have also been able to host virtual events in a virtual format. We have also been able to host virtual events in a virtual format.</p> <p>During a PSP's event, medical baseline customers receive automated calls, text and e-mails at the same intervals as the general customer notifications. In addition, the customers receive need not automated calls and both at hourly intervals until the customer confirms receipt of the notification by either answering the phone, responding to the text or opening the email. If confirmation is not received, a PG&E representative will call the customer to check on the customer in order to verify the completion of hourly notification intervals, referred to as the "hourly ring process." If the customer does not answer, a door hanger is left at the home, where possible. PG&E's "hourly ring" and "door hanger" process is above and beyond the guidelines set forth in CPUC's Decision 18_12-005. While PG&E has specifically been named in an industry practice, the three joint California IOUs have aligned on this process. The door hanger is considered Successful Notification Delivery but is not confirmed as Notification Received. After a door hanger is left, these customers will continue to receive hourly notices until they confirm receipt.</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	0	NA	6.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
400	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	7	CPUC - SPD (Safety Policy Division)_009_07	<p>PG&E states that if an AFN customer does not answer the door, the notification is considered successful if a door hanger is left. What industry policy/practice is PG&E following that classifies a door hanger as a successful notification?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	0	NA	6.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
405	CaPA	Sat WMP-26	CaPA_Sat WMP-26	1	CaPA_Sat WMP-26_01	<p>a) Please describe your general process or strategy for developing load forecasts. b) Do you have a workflow process or procedure for developing load forecasts? c) If the answer to (b) is "yes," provide a copy of the answer to (b) to "yes," explain why not.</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	2	NA	6.1.2.2	Old Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
406	CaPA	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? b) If the answer to (a) is "yes," explain how load growth projections influence your mitigation selection process. 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	6.1.2.2	Old Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
407	CaPA	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? b) If yes, what degree of load growth do you design for? 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	6.1.2.2	Old Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
408	CaPA	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 maintain, increase, or decrease the load capacity at peak operating temperatures? b) Explain the reasoning for your response to (a).</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	6.1.2.2	Old Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
409	CaPA	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? b) If the answer to (a) is "yes," explain how. 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	6.1.2.2	Old Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
410	CaPA	Sat WMP-26	CaPA_Sat WMP-26	6	CaPA_Sat WMP-26_06	<p>a) Are all overhead to underground conductor conversion projects designed to accommodate loads greater than current capacity for the same circuit? b) If the answer to (a) is "yes," explain how. 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	6.1.2.2	Old Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
411	CaPA	Sat WMP-26	CaPA_Sat WMP-26	7	CaPA_Sat WMP-26_07	<p>Describe the challenges or advantages exhibited in increasing load capacity on a circuit that has previously been hardened with covered conductor.</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	6.1.2.2	Old Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
412	CaPA	Sat WMP-26	CaPA_Sat WMP-26	8	CaPA_Sat WMP-26_08	<p>Describe the challenges or advantages exhibited in increasing load capacity on a circuit that has previously been hardened with underground conductor.</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	6.1.2.2	Old Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
413	CaPA	Sat WMP-26	CaPA_Sat WMP-26	9	CaPA_Sat WMP-26_09	<p>Provide a list of all circuits in your system. For each circuit, provide: a) Peak load in Amperes observed since January 1, 2014. b) Circuit Capacity in Amperes</p>	Holly Whitman	7/27/2023	8/17/2023	8/17/2023	1	NA	6.1.2.2	Old Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution

Item ID	Category	Plan Name	Section	Table Reference	Comments	Response	Date	QA	PA	Score	Notes	Attachments			
435	CAFA	Sat WMP-28	CaFA_Sat WMP-28	14	CaFA_Sat WMP-28_014	<p>HNPGAE-23-04 Table HNPGAE-23-04 on page 47 of PG&E's response addresses PG&E's 70,000 level test logs in 2023, 54,000 level test logs in 2024, and 55,700 level test logs in 2025. a) State the log or the reduced number of level 2 logs PG&E forecasts being created in 2024 and 2025 compared to 2023.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
436	CAFA	Sat WMP-28	CaFA_Sat WMP-28	15	CaFA_Sat WMP-28_015	<p>HNPGAE-23-04 Page 48 of PG&E's response states, "For example, we have found certain types of logs, including well-logs for an insulator, and number of splices per mile (not per phase or overcrossed mile) of splices, instead of issuing a more granular risk maintenance log, the splices are better addressed by the asset management team as they are a critical indicator of a circuit's asset health." a) Describe how asset management team will track splices if a maintenance log is not issued. b) Describe how circumstances under which PG&E will report splices that do not pose an ignition risk, and not have a maintenance log. c) How does PG&E's asset management team use splices as an indicator of "critical asset health" and under what circumstances does the asset management team take action based on this indicator?</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
437	CAFA	Sat WMP-28	CaFA_Sat WMP-28	16	CaFA_Sat WMP-28_016	<p>HNPGAE-23-05 Page 60 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 shows a set of different circuit segments that could be undergrounded more efficiently. PG&E manages wildfire risk on these 79 circuit segments through our portfolio of Comprehensive Monitoring and Data Collection and Operational Mitigation described below." a) Has PG&E completed overhead hardening on the 79 circuit segments described in this section? b) If the answer to part (a) is yes, why did PG&E not do overhead hardening as an 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	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
438	CAFA	Sat WMP-28	CaFA_Sat WMP-28	17	CaFA_Sat WMP-28_017	<p>HNPGAE-23-05 Table HNPGAE-23-05-2 on page 72 of PG&E's response compares the mileage in the top 20% of WFE, the top 30% of WORM (A) and the top 30% of WORM (B). a) Is our understanding from PG&E's response to ACP PG&E-23-24 in its 2023-2025 WMP that the list of circuit segments that are the most at risk from WORM (B) are the same as those that are the most at risk from WORM (A) in other words, in the formula below, the WORM (B) risk score appears as the numerator and the WORM (A) risk score appears in the denominator? b) Please confirm or correct the understanding stated above. c) Does the list of circuit segments selected in WFE response risk scores from WORM (B) if yes, describe how so.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
439	CAFA	Sat WMP-28	CaFA_Sat WMP-28	18	CaFA_Sat WMP-28_018	<p>HNPGAE-23-05 Page 103 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 percent compared to the 99 percent." a) Describe how PG&E calculated the effectiveness of 97 percent. b) Provide supporting data and worksheets for your response to part (a).</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	1	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management and Inspections
440	CAFA	Sat WMP-28	CaFA_Sat WMP-28	19	CaFA_Sat WMP-28_019	<p>HNPGAE-23-07 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 the TAT and will be moving forward with utility site assessments under the TRAQ program." a) When did, beginning in 2023, the scope of FTI end under the scope of EVM (approximately 1000 miles)? b) Please explain why the TAT is not necessary for the scope of FTI. c) Describe the ways in which the TAT and TRAQ forms are similar. d) Describe the ways in which the TAT and TRAQ forms are different.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	2	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management and Inspections
441	CAFA	Sat WMP-28	CaFA_Sat WMP-28	20	CaFA_Sat WMP-28_020	<p>HNPGAE-23-07 Page 104 of PG&E's response states, "Given that we began working with the ISA TRAQ in 2023, data does not exist to objectively compare effectiveness differences between the TRAQ and the TAT." a) Does PG&E plan to perform a study or analysis to compare the effectiveness of the TAT and the ISA TRAQ? The study include, but is not limited to, the following: i) If the answer to part (a) is yes, please describe the study PG&E plans to perform, and the data PG&E plans to provide to the staff. ii) If the answer to part (a) is no, please explain why not.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management and Inspections
442	OES	011	OES_011	1	OES_011_01	<p>Regarding distribution detailed ground inspections: a. On page 464 of its revised WMP, PG&E states that it will still from inspecting all 173 distribution assets annually and for 2 assets every three years, to inspecting seven and extreme circumstances (at least) annually and for 100000 assets every two years. b. Please provide the number of assets/structures using the same asset/structure definition as WMP R2 table 8.1.3, page 465 located in RPT 18-11. c. Please provide the number of assets/structures (using the same asset/structure definition as WMP R2 table 8.1.3, page 465 located in RPT 18-11).</p>	Dakota Smith	8/16/2023	8/23/2023	8/23/2023	0	NA	8.1.3.1	Asset Inspections	Deleted Ground Inspection
443	OES	011	OES_011	2	OES_011_02	<p>Regarding PG&E's Grid Design and Maintenance Quality Control: a. In its Revision Notice Response, PG&E states that it is "working to integrate QC with [its] execution processes. This approach will create real-time learning to coach and guide workers," and that interim sample sites and "asset tags" would "reduce PG&E's flexibility" (Page 38). b. Describe the approach, including the similarities and differences from the current and previous approach to QC. c. Provide the timeline for integrating this approach. d. Provide the estimated sample sites for this approach. These sample sites may either represent physical assets PG&E will QC per year (e.g., PG&E will QC 1,000 circuit miles each year of the WMP cycle), or how PG&E determines the sample size for QC (i.e., the criteria for when and where PG&E performs QC). e. Describe any performance metrics PG&E has developed related to this approach and the targets for.</p>	Dakota Smith	8/16/2023	8/23/2023	8/23/2023	0	NA	8.1.8	Quality Assurance and Quality Control	NA
444	OES	011	OES_011	3	OES_011_03	<p>Regarding PG&E's Vegetation Management Quality Control: a. In its Revision Notice Response, PG&E states that it is "working to integrate QC with [its] execution processes. This approach will create real-time learning to coach and guide workers," and that interim sample sites and "asset tags" would "reduce PG&E's flexibility" (Page 38). b. Describe the approach, including the similarities and differences from the current and previous approach to QC. c. Provide the timeline for integrating this approach. d. Provide the estimated sample sites for this approach. These sample sites may either represent physical assets PG&E will QC per year (e.g., PG&E will QC 1,000 circuit miles each year of the WMP cycle), or how PG&E determines the sample size for QC (i.e., the criteria for when and where PG&E performs QC). e. Describe any performance metrics PG&E has developed related to this approach and the targets for.</p>	Dakota Smith	8/16/2023	8/23/2023	8/23/2023	0	NA	8.1.8	Quality Assurance and Quality Control	NA
445	CPUC - SPD (Safety Policy Decision)	010	CPUC - SPD (Safety Policy Decision)_010	1	CPUC - SPD (Safety Policy Decision)_010_01	<p>Please see the attached spreadsheet with information summarized from Table 11 of PG&E's most recently submitted QDR (Q1 2023) regarding August 1, 2023.</p>	Kevin Miller	8/24/2023	9/1/2023	8/31/2023	1	NA	QDR	NA	

446	OEIS	012	OEIS_012_1	001. Regarding PGE's Response to RHP-POAE-23-01 a. Considering that there are no fields in OneView collected Level 2 inspection data, the TRAQ form will not be digitized 2 and the Focused Tree Inspection procedure does not require inspectors to take a photo of completed TRAQ forms, what data and information is PGE to use to perform field-based quality control on Level 2 inspections performed under Focused Tree Inspections? b. Describe the quality control procedure for Focused Tree Inspections c. How are the paper TRAQ forms generated through Focused Tree Inspections collected and stored by PGE? d. For Focused Tree Inspections, Insulin, and Second Point e. How and where does the inspector document relevant factors that contributed to an inspector's designation of a tree as a hazard, or not a hazard, or any specific alternative procedure? f. If PGE does not record the information, justify why it does not record this information. g. In response to remedy, PGE states that it plans to only inspect part of its Areas of Concern through the Focused Tree Inspections. If PGE states that it will not inspect all of its Areas of Concern through the Focused Tree Inspections, how does PGE ensure that the TRAQ criteria are being met for the Areas of Concern if only parts to perform Focused Tree Inspections on 43% of those miles by the end of 2024? h. In PGE's response to Data Request RHP-POAE-001, Question 2, PGE describes update 1 (make it in its Assessment Tool (AT)) in 2022. i. In the update 1 (AT) is operational? j. If not, when was it operational? (used by all inspectors in the field to perform risk assessment under 2)? If not, why was it not operational? k. Provide the most recent version of the updated AT, even if the version was not operational. l. Provide any reports regarding the 2022 update of the AT, including but not limited, documentation of methodology, applications, training, reviews, and subsequent results. m. In response to remedy, PGE states that the current residual risk due to Tree Removal Inventory lines is 7% of the vegetation risk in the FTDA. Does PGE's update regarding the "percent of vegetation risk" assure that 10% of the vegetation risk in the FTDA can be mitigated? n. If so, justify this assumption. o. If not, what percentage of vegetation risk does PGE estimate it can mitigate in the FTDA? p. In response to remedy, PGE states that it supports its updated Distribution Inspection Procedure to achieve improved risk reduction of approximately 3 percent over the legacy Distribution Inspection Procedure to Populate the energy risk of the following table: Scenario Risk Score Reduction	001. PGE will update its FTI procedure to reflect a change in process for 2024 that will require users to record level 2 inspection data through a digital Tree Risk Assessment Form. The intent is to create a record of every active potential tree including that it has been assessed with a Level 2 inspection. The Quality Management team will use a list of completed Focused Tree Inspection (FTI) locations and completed Tree Risk Assessment forms to perform quality assessments. The Major Infrastructure Delivery - Quality Management team performs quality assessments in accordance with the FTI procedure bulletin WMP-Discovery2023_OR_OEIS_012-001A0601.pdf. For the 2023 Point FTI, the TRAQ data from the Tree Risk Assessment form will be utilized to perform Level 2 inspections. In 2024, PGE plans to update the Tree Risk Assessment Form. In the fall, our field WMP, the Tree Risk Assessment process became a WMP commitment which resulted in the initial 4.812 miles being identified within 102 subareas (Areas of Concern) under the service number where vegetation specific data (tagline, ignition PIPS damage) paired with other critical information was available. Following the development of AOC, PGE also committed to perform a pilot starting in Q2 of what was ultimately called the Focused Tree Inspection (FTI) program. This pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program.	Debra Smith	8/30/2023	9/27/2023	9/27/2023	4	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
447	OEIS	012	OEIS_012_2	002. Regarding PGE's Response to RHP-POAE-23-03 a. In its response relating to EPSS, PGE states that it "does not have detailed mitigation effectiveness analysis at this time. These analyses are being developed based on impact matter review empirical data as being completed." b. Explain what is meant by this statement, particularly given PGE has provided effectiveness data for EPSS in 2022. c. How does PGE plan to conduct an empirical effectiveness of 80% for EPSS in 2022? In the fall, will it be an accurate effectiveness estimate? If not, why? d. When does PGE plan on conducting a more updated effectiveness estimate? What factors is PGE including in this calculation? e. How does PGE plan on conducting a more updated effectiveness estimate? What factors is PGE including in this calculation?	002. PGE will update its FTI procedure to reflect a change in process for 2024 that will require users to record level 2 inspection data through a digital Tree Risk Assessment Form. The intent is to create a record of every active potential tree including that it has been assessed with a Level 2 inspection. The Quality Management team will use a list of completed Focused Tree Inspection (FTI) locations and completed Tree Risk Assessment forms to perform quality assessments. The Major Infrastructure Delivery - Quality Management team performs quality assessments in accordance with the FTI procedure bulletin WMP-Discovery2023_OR_OEIS_012-001A0601.pdf. For the 2023 Point FTI, the TRAQ data from the Tree Risk Assessment form will be utilized to perform Level 2 inspections. In 2024, PGE plans to update the Tree Risk Assessment Form. In the fall, our field WMP, the Tree Risk Assessment process became a WMP commitment which resulted in the initial 4.812 miles being identified within 102 subareas (Areas of Concern) under the service number where vegetation specific data (tagline, ignition PIPS damage) paired with other critical information was available. Following the development of AOC, PGE also committed to perform a pilot starting in Q2 of what was ultimately called the Focused Tree Inspection (FTI) program. This pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program.	Debra Smith	8/30/2023	9/20/2023	9/5/2023	0	NA	8.1.10	Circuit Design and System Reliability	Downed Conductor Detection Devices
448	OEIS	012	OEIS_012_3	003. Regarding PGE's Response to RHP-POAE-23-04 a. Table RHP-POAE-23-04-1 uses "aged Backlog Line Schedules" and "aged Backlog Line Remaining". Provide these same numbers for each year, broken down by non-pole ignition risk, ignition risk, and non-ignition risk respectively. b. Since PGE's violation of FSRs, provide the following data broken down annually: i. The number of instances in which PGE cancelled a work order in response to an FSR. ii. The number of instances in which PGE could not place it in place of an existing work order in response to an FSR. iii. The number of instances in which PGE cancelled a work order in response to an FSR. iv. The number of instances in which PGE cancelled a work order in response to an FSR. v. The number of instances in which PGE cancelled a work order in response to an FSR. vi. The number of instances in which PGE cancelled a work order in response to an FSR. vii. The number of instances in which PGE cancelled a work order in response to an FSR. viii. The number of instances in which PGE cancelled a work order in response to an FSR. ix. The number of instances in which PGE cancelled a work order in response to an FSR. x. The number of instances in which PGE cancelled a work order in response to an FSR. xi. The number of instances in which PGE cancelled a work order in response to an FSR. xii. The number of instances in which PGE cancelled a work order in response to an FSR. xiii. The number of instances in which PGE cancelled a work order in response to an FSR. xiv. The number of instances in which PGE cancelled a work order in response to an FSR. xv. The number of instances in which PGE cancelled a work order in response to an FSR. xvi. The number of instances in which PGE cancelled a work order in response to an FSR. xvii. The number of instances in which PGE cancelled a work order in response to an FSR. xviii. The number of instances in which PGE cancelled a work order in response to an FSR. xix. The number of instances in which PGE cancelled a work order in response to an FSR. xx. The number of instances in which PGE cancelled a work order in response to an FSR.	003. PGE will update its FTI procedure to reflect a change in process for 2024 that will require users to record level 2 inspection data through a digital Tree Risk Assessment Form. The intent is to create a record of every active potential tree including that it has been assessed with a Level 2 inspection. The Quality Management team will use a list of completed Focused Tree Inspection (FTI) locations and completed Tree Risk Assessment forms to perform quality assessments. The Major Infrastructure Delivery - Quality Management team performs quality assessments in accordance with the FTI procedure bulletin WMP-Discovery2023_OR_OEIS_012-001A0601.pdf. For the 2023 Point FTI, the TRAQ data from the Tree Risk Assessment form will be utilized to perform Level 2 inspections. In 2024, PGE plans to update the Tree Risk Assessment Form. In the fall, our field WMP, the Tree Risk Assessment process became a WMP commitment which resulted in the initial 4.812 miles being identified within 102 subareas (Areas of Concern) under the service number where vegetation specific data (tagline, ignition PIPS damage) paired with other critical information was available. Following the development of AOC, PGE also committed to perform a pilot starting in Q2 of what was ultimately called the Focused Tree Inspection (FTI) program. This pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program.	Debra Smith	8/30/2023	9/27/2023	9/27/2023	0	NA	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags
449	OEIS	012	OEIS_012_4	004. Regarding PGE's Response to RHP-POAE-23-05 a. For the 79 circuit segments not included in an undergrounding plan that have not been hardened, provide the following information as available: i. Circuit Name ii. Circuit segment ID iii. Length of circuit segment iv. V2 Risk Score v. V3 Risk Score vi. V4 Risk Score (if available) vii. V5 Risk Score (if available) viii. WFE Score ix. WFE Ranking x. Feasible Score xi. Reason why the circuit segment is not included in undergrounding plan xii. Other mitigation options being used for the circuit segment (if any, which differs from (i)) xiii. Other mitigation options being considered for the circuit segment in the future, if such differs from (i)	004. PGE will update its FTI procedure to reflect a change in process for 2024 that will require users to record level 2 inspection data through a digital Tree Risk Assessment Form. The intent is to create a record of every active potential tree including that it has been assessed with a Level 2 inspection. The Quality Management team will use a list of completed Focused Tree Inspection (FTI) locations and completed Tree Risk Assessment forms to perform quality assessments. The Major Infrastructure Delivery - Quality Management team performs quality assessments in accordance with the FTI procedure bulletin WMP-Discovery2023_OR_OEIS_012-001A0601.pdf. For the 2023 Point FTI, the TRAQ data from the Tree Risk Assessment form will be utilized to perform Level 2 inspections. In 2024, PGE plans to update the Tree Risk Assessment Form. In the fall, our field WMP, the Tree Risk Assessment process became a WMP commitment which resulted in the initial 4.812 miles being identified within 102 subareas (Areas of Concern) under the service number where vegetation specific data (tagline, ignition PIPS damage) paired with other critical information was available. Following the development of AOC, PGE also committed to perform a pilot starting in Q2 of what was ultimately called the Focused Tree Inspection (FTI) program. This pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program. The pilot was implemented to develop initial guidance and capture that critical information and assessment needs, subsequently develop the comprehensive FTI program.	Debra Smith	8/30/2023	9/5/2023	9/5/2023	1	NA	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
450	CaPA	Sat WMP-29	CaPA_Sat WMP-29_01	Page 35 of PGE's response states, "PGE is currently integrating OC with our execution processes to drive quality during initial work execution." a. Provide the appropriate data for which PGE plans to implement its integration OC process, described above. b. Provide any internal protocols, presentations, reports, or other information that describes PGE's proposed integration OC process. c. Please provide any procedures, handbooks, checklists, or job aids that personnel will use when implementing PGE's proposed integration OC process.	Page 35 of PGE's response states, "PGE is currently integrating OC with our execution processes to drive quality during initial work execution." a. Provide the appropriate data for which PGE plans to implement its integration OC process, described above. b. Provide any internal protocols, presentations, reports, or other information that describes PGE's proposed integration OC process. c. Please provide any procedures, handbooks, checklists, or job aids that personnel will use when implementing PGE's proposed integration OC process.	Holly Whitman	9/7/2023	9/27/2023	9/27/2023	0	NA	8.1.8	Quality Assurance and Quality Control	NA
451	CaPA	Sat WMP-29	CaPA_Sat WMP-29_02	PGE's response to Data Request No. Cal Advocates, 028-Q001a on August 16, 2023, states "OC is integrating with execution processes by completing OC on a shorter timeline than has been historically executed, allowing for greater opportunities for training, inspection, sharing lessons, and making corrections, as necessary." a. What was the minimum, maximum and average OC completion timeline for detailed ground distribution inspections in 2022? b. What was the minimum, maximum and average OC completion timeline for detailed ground distribution inspections in 2021? c. What was the minimum, maximum and average OC completion timeline for detailed ground distribution inspections in 2020? d. What are the expected target minimum, maximum, and average OC completion timelines for detailed ground distribution inspections after integration with execution processes?	PGE's response to Data Request No. Cal Advocates, 028-Q001a on August 16, 2023, states "OC is integrating with execution processes by completing OC on a shorter timeline than has been historically executed, allowing for greater opportunities for training, inspection, sharing lessons, and making corrections, as necessary." a. What was the minimum, maximum and average OC completion timeline for detailed ground distribution inspections in 2022? b. What was the minimum, maximum and average OC completion timeline for detailed ground distribution inspections in 2021? c. What was the minimum, maximum and average OC completion timeline for detailed ground distribution inspections in 2020? d. What are the expected target minimum, maximum, and average OC completion timelines for detailed ground distribution inspections after integration with execution processes?	Holly Whitman	9/7/2023	9/27/2023	9/27/2023	1	NA	8.1.8	Quality Assurance and Quality Control	NA
452	CaPA	Sat WMP-29	CaPA_Sat WMP-29_03	PGE's response to Data Request No. Cal Advocates, 028-Q001a on August 16, 2023, states "OC is integrating with execution processes by completing OC on a shorter timeline than has been historically executed, allowing for greater opportunities for training, inspection, sharing lessons, and making corrections, as necessary." a. Does PGE have an internal standard for the maximum amount of time between a detailed ground distribution inspection and subsequent OC? b. If the answer is part (a) is no, how does PGE determine when to perform OC following a detailed ground distribution inspection?	PGE's response to Data Request No. Cal Advocates, 028-Q001a on August 16, 2023, states "OC is integrating with execution processes by completing OC on a shorter timeline than has been historically executed, allowing for greater opportunities for training, inspection, sharing lessons, and making corrections, as necessary." a. Does PGE have an internal standard for the maximum amount of time between a detailed ground distribution inspection and subsequent OC? b. If the answer is part (a) is no, how does PGE determine when to perform OC following a detailed ground distribution inspection?	Holly Whitman	9/7/2023	9/27/2023	9/27/2023	0	NA	8.1.8	Quality Assurance and Quality Control	NA

400	DEIS	014	DEIS_014	1	DEIS_014_01	<p>Q01: Regarding Wildfire Benefit Cost Analysis</p> <p>1. In PG&E's Supplemental Revision Notice Response, PG&E states that "it will be moving away from the WFE to a Wildfire Benefit Cost Analysis (WBCA) at the circuit segment level." (p. 78)</p> <p>2. How does PG&E determine which mitigation are used in combination when evaluating across effectiveness (i.e. the scenario in Table WBCA-PG&E-23-03-03) and Q02? Please provide the calculations used for the monetized risk values shown in Table WBCA-PG&E-23-03-03 (p. 84)</p> <p>3. How is PG&E's Supplemental Revision Notice Response consistent with the information in the WBCA? (p. 82)</p> <p>4. What is PG&E's timeline for the development and implementation of WBCA? This should include, but not be limited to when PG&E is planning to release WBCA, as well as when PG&E's underlying modeling and analysis will begin to be informed by WBCA compared to WFE</p> <p>5. In the PG&E's Supplemental Revision Notice Response, PG&E states that it will be moving away from the WFE to a WBCA if so, provide all such supporting analysis.</p>	Debra Smith	10/6/2023	10/1/2023	10/1/2023	0	NA	8.1.2.2	Old Design and System Hardening	Underpinning of electric lines and/or equipment
401	DEIS	014	DEIS_014	2	DEIS_014_02	<p>Q02: Regarding backing risk reduction</p> <p>1. Provide PG&E's calculations for risk reduction percentages broken down annually for both the risk-reducing reduction steps in PG&E's Table PG&E-1.7.2 PG&E's Model 2023-2025 WMP as well as its Supplemental Revision Notice Response (p. 105). This should include evaluation of how PG&E's calculations for risk reductions, as well as both a reduction in risk units and overall risk impact</p> <p>2. Provide PG&E's model calculations for risk reduction percentages for its original 2023-2025 WMP plan for addressing backing compared to PG&E's new plan for addressing backing as outlined in its Supplemental Revision Notice Response. This should account for any new risk introduced from delays in responding to Priority 2 and 3 flag that may not follow CGIS requirements due to backing. This should include a discussion of how PG&E's calculations for risk reductions, as well as both a reduction in risk units and overall risk impact</p> <p>3. Explain the difference between the percent risk units and the % risk impact as shown in Table WBCA-PG&E-23-04-03 (p. 95) for instance, 2023 has a 48 percent risk unit reduction, but only a 4 percent risk impact reduction</p>	Debra Smith	10/6/2023	10/1/2023	10/1/2023	0	NA	8.1.7	Open Work Orders	NA
402	MORA	Data Request No. 7	MORA_Data Request No. 7	1	MORA_Data Request No. 7_01	<p>Please list the titles and qualifications of the team members on the Public Safety Specialist team. Specifically please raise the level of experience team members have in:</p> <p>a. Fire spread modeling using Technosolve or other simulation tools</p> <p>b. Traffic control and evacuation modeling</p> <p>c. Wildland firefighting and suppression</p> <p>These include any specific work experience or accomplishments.</p>	Joseph Mitchell	10/9/2023	10/12/2023	10/12/2023	0	NA	8.4.1.1	Emergency Preparedness	Protocols for Emergency Communications
403	MORA	Data Request No. 7	MORA_Data Request No. 7	2	MORA_Data Request No. 7_02	<p>How regress and egress concerns determined solely by the potential for falling poles or wires the PSS team also analyze the potential for emergency fire fuel involving residential and/or multifamily units?</p> <p>FNO: When PG&E conducted the EASOP analysis, our PSS team members reviewed data system modeling project during the modeling process to determine if regress/egress issues existed at the site. Given the time and effort involved to model fire fuel analysis, PG&E is unable to do a PSS priority review alternative analysis. In place of a PSS team member reviewing each of the 2023-2024 project risks selected by JCRH or JCRG, PG&E is using the PSS score for each circuit and applying it to each segment on that circuit. Is the PSS score for a circuit a high score = 100, the model considers there to be no regress/egress risk on each of the segments that make up that circuit.</p>	Joseph Mitchell	10/9/2023	10/12/2023	10/12/2023	0	NA	8.1.3	Asset Inspectors	NA
404	MORA	Data Request No. 7	MORA_Data Request No. 7	3	MORA_Data Request No. 7_03	<p>How representative is the gross PSS score of the entire circuit? Specifically, a. How many hardening projects are there per circuit? Provide a distribution if possible.</p> <p>b. What fraction does the hardening project typically take up of the circuit? Provide a distribution if possible.</p> <p>c. Show how EPS scores are determined and how these compare against WORM (3). Is the PSS regress/egress scoring used as an element incorporated into the risk model or is it used as an independent decision tree branch point?</p> <p>d. What fraction of underpinning projects rely on PSS regress/egress score to make the determination to underpin?</p> <p>e. Provide the fraction for cases where PSS regress/egress was only one of many factors used in the determination to underpin.</p>	Joseph Mitchell	10/9/2023	10/12/2023	10/12/2023	1	NA	8.1.3	Asset Inspectors	NA

465	CaPA	Sat WMP-30	CaPA_Sat WMP-30	1	CaPA_Sat WMP-30_Q1	<p>This data request relates to PG&E's Wildlife Distribution Risk Model version 4 (hereinafter referred to as "WDRM v4") if any of the requested documents or information is not yet complete and available, please state your response when you expect the documents or information to be complete and available.</p> <p>a) Please list all distinct risk scores generated by PG&E's WDRM v4. For example, WDRM v3 generated 17 different risk scores 4 (b) For each risk score in part (a), please provide a category or brief description of the type of risk the score represents. (c) For each risk score in part (a), please provide a brief explanation of how PG&E intends to use that risk score. (d) For each risk score in part (a), please list all PG&E wildfire mitigation initiatives that are informed by that risk score. (e) For each risk score in part (a), 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 plots. (f) For each risk score in part (a), please state the granularity at which the risk score is used to inform wildfire mitigation initiatives (e.g., circuit segment, circuit, individual asset, etc.).</p>	a) - f) 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.	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/Common/Info/Us/Information/press-releases/01/2023/2023-10-23-wildfire-mitigation-plan-update	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
466	CaPA	Sat WMP-30	CaPA_Sat WMP-30	2	CaPA_Sat WMP-30_Q2	<p>This data request relates to PG&E's Wildlife Distribution Risk Model version 4 (hereinafter referred to as "WDRM v4") if any of the requested documents or information is not yet complete and available, please state your response when you expect the documents or information to be complete and available.</p> <p>a) Please list all composite (or aggregate) risk scores generated by PG&E's WDRM v4. For example, WDRM v3 generated the composite risk scores. (b) For each risk score in part (a), please provide a category or brief description of the type of risk the score represents. (c) For each risk score in part (a), please provide a brief explanation of how PG&E intends to use that risk score. (d) For each risk score in part (a), please list all PG&E wildfire mitigation initiatives that are informed by that risk score. (e) For each risk score in part (a), please state the most granular level available for that risk score. (f) For each risk score in part (a), please state the granularity at which the risk score is used to inform wildfire mitigation initiatives (e.g., circuit segment, circuit, individual asset, etc.).</p>	a) - f) 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.	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/Common/Info/Us/Information/press-releases/01/2023/2023-10-23-wildfire-mitigation-plan-update	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
467	CaPA	Sat WMP-30	CaPA_Sat WMP-30	3	CaPA_Sat WMP-30_Q3	<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>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). The file should contain the following:</p> <p>a) Geometric features detailing the most granular level available for each risk score. This may be polygons that depict "points," 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 "zoom" level), there is no need to include multiple layers that depict the same physical geometry. (b) For each geometric feature, please include all relevant risk scores from questions 1(a) and 2(a) as attributes. (c) For each geometric feature, include the circuit identification number as an attribute. (d) For each geometric feature, include the circuit name as an attribute. (e) For each geometric feature, include the circuit segment name as an attribute. (f) In the event a feature contains information for each geometric feature (e.g., asset ID, substation name, etc.).</p>	a) - b) 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.	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/Common/Info/Us/Information/press-releases/01/2023/2023-10-23-wildfire-mitigation-plan-update	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
468	CaPA	Sat WMP-30	CaPA_Sat WMP-30	4	CaPA_Sat WMP-30_Q4	<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>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)). The file should contain the following:</p> <p>a) Geometric features detailing the relevant geometry for each risk score. This may be polygons that depict "points," 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 "zoom" level), there is no need to include multiple layers that depict the same physical geometry. (b) For each geometric feature, please include all relevant risk scores from questions 1(a) and 2(a) as attributes. (c) For each geometric feature, include the circuit identification number as an attribute. (d) For each geometric feature, include the circuit name as an attribute. (e) For each geometric feature, include the circuit segment name as an attribute. (f) In the event a feature contains information for each geometric feature (e.g., asset ID, substation name, etc.).</p>	a) - f) 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.	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/Common/Info/Us/Information/press-releases/01/2023/2023-10-23-wildfire-mitigation-plan-update	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
469	CaPA	Sat WMP-30	CaPA_Sat WMP-30	5	CaPA_Sat WMP-30_Q5	<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>Please provide a spreadsheet that lists (as rows) each circuit-segment that is included in the Wildlife Distribution Risk Model v4. The spreadsheet should include, at minimum, the following columns:</p> <p>a) Name or ID number of each circuit segment. (b) Circuit name for the circuit that each segment is part of. (c) Circuit ID for the circuit that each segment is part of. (d) Nominal voltage. (e) The total count of the circuit segment. (Ca) Advertisers understand this to be the number of 100m x 100m plots analyzed by the WDRM v4 along the length of the circuit segment. (f) The average risk value(s) associated with each plot along the circuit segment. (In previous versions of the risk model, the risk was referred to as the "mean RVP" score and/or "mean risk"). (g) Total overheads on the circuit segment. (h) Total overhead overheads on the circuit segment. (i) Total non-HFT overheads on the circuit segment. (j) Total Tier 2 overheads on the circuit segment. (k) Total Tier 3 overheads on the circuit segment. (l) Total underground circuit-miles on the circuit segment. (m) Total non-HFT underground circuit-miles on the circuit segment.</p>	a) - e) 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.	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/Common/Info/Us/Information/press-releases/01/2023/2023-10-23-wildfire-mitigation-plan-update	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
470	CaPA	Sat WMP-30	CaPA_Sat WMP-30	6	CaPA_Sat WMP-30_Q6	<p>a) Has E3 or another entity performed an independent review of the WDRM v4? (b) If the answer to part (a) is yes, please provide a copy of any report and output from the independent review. (c) 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? (d) If the answer to part (c) is no, please explain why not. (e) If the answer to part (c) is yes, when does PG&E expect the review to be completed?</p> <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>	a) - f) 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.	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/Common/Info/Us/Information/press-releases/01/2023/2023-10-23-wildfire-mitigation-plan-update	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
471	CaPA	Sat WMP-30	CaPA_Sat WMP-30	7	CaPA_Sat WMP-30_Q7	<p>a) 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 the public workshop held on October 5 and 6, 2021? (b) If the answer to part (a) is yes, please provide a copy of the document. (c) If the answer to part (a) is no, does PG&E plan to create such a document? (d) If the answer to part (c) is no, please explain why not. (e) If the answer to part (c) is yes, when does PG&E expect the document to be completed?</p>	a) - e) 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.	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/Common/Info/Us/Information/press-releases/01/2023/2023-10-23-wildfire-mitigation-plan-update	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
472	CaPA	Sat WMP-30	CaPA_Sat WMP-30	8	CaPA_Sat WMP-30_Q8	<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>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 WBCA (Wildfire Benefit Cost Analysis) risk scoring and project prioritization, we included 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 underground project." (a) Does the WDRM v4 include an estimation of reliability benefits, as discussed in the above quote? Please explain if yes. (b) Does the WDRM v4 include an estimation of public safety, as discussed in the above quote? Please explain if yes. (c) Does the WDRM v4 include an estimation of project costs, as discussed in the above quote? Please explain if yes.</p>	a) - c) 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 WBCA and are not part of the WDRM v4.	Holly Whitman	10/1/2023	10/25/2023	10/23/2023	https://www.pge.com/legal_global/Common/Info/Us/Information/press-releases/01/2023/2023-10-23-wildfire-mitigation-plan-update	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
473	CaPA	Sat WMP-31	CaPA_Sat WMP-31	1	CaPA_Sat WMP-31_Q1	<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>On page 530 of your 2023 - 2025 WMP R3, PG&E provided a table (Table 8-8-1) showing the total number of and the distribution of open work orders by age and HFT tier. Please provide an updated version of Table 8-8-1 as of September 30, 2023.</p> <p>Number of Open Work Orders (Submitted/Assigned/Work Orders Categorized by Age)</p> <p>(through September 30, 2023)</p> <p>HFTD Area 0 - 30 Days 31 - 90 Days 91 - 180 Days 181+ Days</p> <p>Non-HFTD HFTD Tier 2 HFTD Tier 3</p>	Please see the table below for the requested information: <p>Number of Open Work Orders (Submitted/Assigned/Work Orders Categorized by Age)</p> <p>(through September 30, 2023)</p> <p>HFTD Area 0 - 30 Days 31 - 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	10/25/2023	https://www.pge.com/legal_global/Common/Info/Us/Information/press-releases/01/2023/2023-10-23-wildfire-mitigation-plan-update	0	NA	8.1.7	Open Work Orders	NA

474	CaPA	Set WMP-31	CaPA_Set WMP-31	2	CaPA_Set WMP-31_02	<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>On page 530 of year 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. Number of Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area 0 - 30 Days 31 - 60 Days 61 - 90 Days > 91 Days None - HFTD HFTD Tier 1 HFTD Tier 2 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 (through September 30, 2023)</p> <p>HFTD Area 0 - 30 Days 1 - 60 Days 61 - 90 Days 91+ Days None - HFTD 14,548 38,322 41,257 278,645 HFTD Tier 1 2,353 10,817 25,159 68,061 HFTD Tier 2 229 293 847 69,390</p>	Holly Whitman	10/1/2023	10/26/2023	10/26/2023	0	NA	8.1.7	Open Work Orders	NA
475	CaPA	Set WMP-31	CaPA_Set WMP-31	3	CaPA_Set WMP-31_03	<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>On page 557 of year 2023-2025 WMP R3, PG&E stated 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>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>Section 8.1.7.2 - Open Work Orders - Distribution Tags in PG&E's 2023-2025 WMP R3 discusses a subset of open work orders referred to as "optimal" tags. Please provide a table similar to Table 8-6-1 for all past due, open-risk, distribution asset work orders by age and HFTD tier, as of September 30, 2023. Number of Open Risk Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area 0 - 30 Days 31 - 60 Days 61 - 90 Days > 91 Days None - HFTD HFTD Tier 1 HFTD Tier 2 HFTD Tier 3</p>	<p>At the time of filing the 2023-2025 WMP, PG&E did not have the capability to collect the data at the granularity requested. Therefore, PG&E was unable to provide the number of past due asset work orders, as noted, unless the Quarterly Data Report, Table 2, metric "c" as a proxy to generate the number of past due asset work orders.</p> <p>Through 2023, PG&E has improved its data collection capabilities and is now able to provide this data at the requested granularity. This capability has improved by employing additional data available and increasing automated scripting possibilities. This semi-annual 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	NA	8.1.7	Open Work Orders	NA
476	CaPA	Set WMP-31	CaPA_Set WMP-31	4	CaPA_Set WMP-31_04	<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>Section 8.1.7.2 - Open Work Orders - Distribution Tags in PG&E's 2023-2025 WMP R3 discusses a subset of open work orders referred to as "optimal" tags. Please provide a table similar to Table 8-6-1 for all past due, open-risk, distribution asset work orders by age and HFTD tier, as of September 30, 2023. Number of Open Risk Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area 0 - 30 Days 31 - 60 Days 61 - 90 Days > 91 Days None - HFTD HFTD Tier 1 HFTD Tier 2 HFTD Tier 3</p>	<p>Please see the table below for the requested information.</p> <p>Number of Open Risk Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area 0 - 30 Days 31 - 60 Days 61 - 90 Days 91+ Days None - HFTD 10,123 205,564 777 HFTD Tier 1 1,911 1,462 23,625 68,312 HFTD Tier 2 140 193 753 55,157</p>	Holly Whitman	10/1/2023	10/26/2023	10/26/2023	0	NA	8.1.7	Open Work Orders	NA
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 RNP-GSE-23-05.5. Explain specifically how Risk Assistance over Lifetime Benefit is calculated from Total Risk (page 85 of PG&E's 2023-2025 Wildlife Mitigation Plan (WMP) - Supplemental Revision Notice Responses)</p>	<p>In October 2023, RNP-GSE-23-05, PG&E explained that in response to the Commission's decision in the Risk-Based Decision-Making Framework (RBDMP), we are in the process of conducting a benefit-cost model. This model will incorporate several elements of the mitigation selection decision-making process into an analytical model. PG&E will use the Wildlife Benefit Cost Analysis (WBCA) model. PG&E will use the RNP-GSE-23-05 PG&E provided an example of the output from the WBCA model for five mitigation alternatives of two circuit segments (Table RNP-GSE-23-05.5). PG&E responded to an Energy Safety Data Request asking for more information about the WBCA. In that response, PG&E explained that the WBCA has not been fully developed, approved, or implemented within PG&E.</p> <p>We also explained that the spreadsheet 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 names associated with the WBCA. The WBCA is being developed to support PG&E's 10-year (SR 884) undergrounding plan and an electric fielding the WBCA. For that information, PG&E will anticipate eventually using the WBCA to inform project selection for PG&E's long-term undergrounding plan and future WMPs.</p> <p>Regarding the WBCA, additional development, PG&E is not in position to respond to either of the questions in this data request.</p>	Henry Beaul	10/1/2023	10/17/2023	10/17/2023	0	NA	8.1.2.2	Grid Design and System Hardening	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 RNP-GSE-23-05.6. Explain specifically how Risk Assistance over Lifetime Benefit is calculated from Total Risk (page 85 of PG&E's 2023-2025 Wildlife Mitigation Plan (WMP) - Supplemental Revision Notice Responses)</p>	<p>Please see "WMP-Discovery2023_OR_SPD_012-0005-A0001.xlsx" for the visual and underlying data. The final benefit cost model for PG&E's 2023-2025 WMP will be filed in 2024 as part of the Risk Assessment and Mitigation Phase (RAMP) filing. Please note, there is a non-material correction to the asset data table. Both the original and corrected WBCA data tables are provided in the attached file.</p>	Henry Beaul	11/1/2023	11/15/2023	11/14/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
478	CPUC - SPD (Safety Policy Division)	011	CPUC - SPD (Safety Policy Division)_011	2	CPUC - SPD (Safety Policy Division)_011_02	<p>Provide a numerical justification that shows the risk from (and/or other sources) for EPES compares to benefit of EPES (open wildfire, circuit) SPD would produce an analysis performed using cost-benefit ratios (similar to that shown in Table RNP-GSE-23-05-3).</p>	<p>Please see PG&E's response to Question 1 of this data request.</p>	Henry Beaul	10/12/2023	10/17/2023	10/17/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
479	CaPA	Set WMP-32	CaPA_Set WMP-32	1	CaPA_Set WMP-32_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>Please provide the following data for the years 2020, 2021, 2022, and 2023:</p> <p>a) Number of miles of overhead 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 project in part (a).</p>	<p>Please see the table below with the data requested for subparts a - c.</p> <p>a) Please see row (a) LG Miles Completed. Included are 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, 2022. In addition to the miles completed, PG&E also has approximately 200 miles currently in progress (i.e., current complete, in construction, trench complete, contract awarded, ready for cable pulling).</p> <p>b) Please see row (b) CH Miles Replaced (estimated). Included are 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 overhead miles replaced by each project. Therefore, the overhead miles replaced is calculated based on LG Miles Completed minus a estimated conversion factor for each project as of the undergrounding projects. For Community related projects (Bulls and Greenwells) for every 1.57 miles of LG installed, one mile of existing CH lines has been removed. For all other projects, 1.25 miles of LG installed equates to one mile of existing CH removed. 2020-2022 2023 Total</p> <p>a) LG Miles Completed 42.4 73.2 179.8 208.6 503.9 b) CH Miles Replaced (est.) 27.9 33.2 134.1 158.3 373.5</p>	Holly Whitman	10/1/2023	11/4/2023	11/4/2023	0	NA	7.2.2.1	Wildfire Mitigation Strategy Development	Projected Overall Risk Reduction
480	CaPA	Set WMP-32	CaPA_Set WMP-32	2	CaPA_Set WMP-32_02	<p>Please 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) Wildlife related undergrounding.</p> <p>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) Rule 20. Included are the undergrounding miles of primary distribution lines in High Fire Threat Districts (HFTD) and/or High Fire Risk Areas (HFRA) as part of the following programs:</p> <ul style="list-style-type: none"> Rule 20A - 100% utility funding Rule 20B - partial utility funding Rule 20C - minimal utility funding <p>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 these projects on reducing wildfire risk.</p> <p>b) Please see row (b) Wildlife Related. Included are the undergrounding miles of primary distribution lines completed as part of wildlife related. This includes work in our Fire Related Program that are located in HFTD/HFRA, as well as the Community Related program (i.e., Bulls and Greenwells).</p> <p>c) Please see row (c) Other. Included are the undergrounding miles of primary distribution lines through PG&E's targeted undergrounding program, as well as capacity projects and work requested by others located in HFTD/HFRA. Please note, PG&E previously did not track overhead miles replaced. Therefore, the overhead miles replaced is calculated based on LG Miles Completed using a conversion factor for related projects or all other undergrounding projects. For WMP-Discovery2023_OR_Capacities_032-0004 Page 2. Community related projects (Bulls and Greenwells) for every 1.57 miles of LG installed, one mile of existing CH lines has been removed. For all other projects, 1.25 miles of LG installed equates to one mile of existing CH removed.</p>	Holly Whitman	10/1/2023	11/4/2023	11/4/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
481	CaPA	Set WMP-32	CaPA_Set WMP-32	3	CaPA_Set WMP-32_03	<p>Please provide copies of all current, site-specific contracts PG&E has executed with other entities with regard to any of the following:</p> <p>a) Suppliers 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>Any other entities who provide goods or services to PG&E in relation to distribution undergrounding projects.</p>	<p>At the time of filing this question to address Primary Distribution voltage 48V, 120V, 240V and 276V. The following programs target work on CH facilities:</p> <ul style="list-style-type: none"> Annual Routine Tree Inspection (systemwide all line classes) resulting pruning and tree removals. Pruning to maintain 18 inches of year-round clearance outside HFTD and HFRA. Pruning to maintain 4 feet of year-round clearance inside HFTD and HFRA and pruning to maintain 4 feet of clearance inside SRA during declared fire season. Maintenance of Overhang removal in EMV circuit segments completed 2019-2022. Mitigation up to complete tree removal for hazardous tree conditions identified during these inspections or brought to PG&E's attention by other inspection programs, customer, or agency notifications. <p>b. Second Point Tree Inspection in HFTD and HFRA, resulting pruning and tree removals.</p> <p>Second inspections approximately 6 months after Annual Routine Inspections to identify any additional trees that are identified in HFTD/HFRA.</p> <p>c. Tree mortality.</p> <ul style="list-style-type: none"> Priority Tree work based on local or tree specific conditions. If additional tree response growth that cannot be pruned cannot fully mitigate to maintain compliance with Minimum Distance Requirements. Vegetation Control (Fuelbreak maintenance) in SRAP/HFTD and HFRA. All poles supporting equipment not classified exempt by 14 CCR 1255. Additional inventory in HFTD and HFRA supporting the same equipment requiring treatments in SRA and HFRA. These poles are all inventoried and evaluated for risk. Low risk poles are not maintained unless conditions change to elevated risk. Solid Dielectric disconnects and solid dielectric locations are not. 	Holly Whitman	10/1/2023	12/1/2023				8.1.2	Grid Design, Operations and Maintenance	Grid Design and System Hardening
482	CaPA	Set WMP-32	CaPA_Set WMP-32	4	CaPA_Set WMP-32_04	<p>Describe all vegetation management activities that PG&E typically performs around the following line types in your responses to parts (b) through (g), please describe f and g in detail only. PG&E's vegetation management activities for that category meaningful differ compared to your response to part (a).</p> <p>a) Aboveground distribution lines located in HFTD/HFRA.</p> <p>b) Aboveground distribution lines located in HFTD/HFRA.</p> <p>c) Aboveground distribution services located in HFTD/HFRA.</p> <p>d) Right-of-way for underground distribution located in HFTD/HFRA.</p>	<p>a) Please see the table below with the data requested for subparts a - c.</p> <p>a) Please see row (a) Rule 20. Included are the undergrounding miles of primary distribution lines in High Fire Threat Districts (HFTD) and/or High Fire Risk Areas (HFRA) as part of the following programs:</p> <ul style="list-style-type: none"> Rule 20A - 100% utility funding Rule 20B - partial utility funding Rule 20C - minimal utility funding <p>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 these projects on reducing wildfire risk.</p> <p>b) Please see row (b) Wildlife Related. Included are the undergrounding miles of primary distribution lines completed as part of wildlife related. This includes work in our Fire Related Program that are located in HFTD/HFRA, as well as the Community Related program (i.e., Bulls and Greenwells).</p> <p>c) Please see row (c) Other. Included are the undergrounding miles of primary distribution lines through PG&E's targeted undergrounding program, as well as capacity projects and work requested by others located in HFTD/HFRA. Please note, PG&E previously did not track overhead miles replaced. Therefore, the overhead miles replaced is calculated based on LG Miles Completed using a conversion factor for related projects or all other undergrounding projects. For WMP-Discovery2023_OR_Capacities_032-0004 Page 2. Community related projects (Bulls and Greenwells) for every 1.57 miles of LG installed, one mile of existing CH lines has been removed. For all other projects, 1.25 miles of LG installed equates to one mile of existing CH removed.</p>	Holly Whitman	10/1/2023	11/4/2023	11/4/2023	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 across the following line types:</p> <p>A) Overground distribution mains located in HFT/DHRA.</p> <p>B) Overground distribution secondaries located in HFT/DHRA.</p> <p>C) Overground distribution services located in HFT/DHRA.</p> <p>D) Right-of-way for underground distribution located in HFT/DHRA.</p>	<p>4) Please see table below for Routine and Second Patrol annual average cost per mile of VM distribution programs based on 2022 annual spend and 2022 actual miles. PG&E specific costs for the entire VM program and does not break these numbers out by Asset ID versus VTDHRA, etc. Please note that annual costs per mile are currently unavailable for TRF, FT, and VMCA as these programs were introduced in 2023.</p> <p>5) Please see the response to part (b) for any costs associated with VM activities in HFT/DHRA.</p> <p>6) Not applicable as VM does not conduct inspections on right-of-way (ROW) for underground distribution lines.</p>	Holly Whitman	10/3/2023	11/14/2023	11/14/2023	<p>https://www.pge.com/content/dam/pge/docs/2023/2023%20VM%20Annual%20Report%20Final%20Presentation%2020230926.pdf</p>	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>Ca/Advocates understands that, in every project to replace overhead line distribution with covered conductor, PG&E performs pole loading calculations for every pole in the project:</p> <p>A) Is the above characterization correct? Please elaborate if correct.</p> <p>B) Does PG&E have a threshold safety factor (or other result from a pole loading calculation) at which it will replace poles in a project?</p> <p>If the answer to part (b) is yes, please describe PG&E's threshold(s).</p> <p>If the answer to part (b) is no, please explain how PG&E determines which poles to replace in a project.</p>	<p>4) PG&E performs pole loading calculations for every pole that will be supporting the covered conductor.</p> <p>5) PG&E adheres to the requirements of General Order 95, Rule 44. In addition, for covered conductor projects, we adhere to our line area design guidance, which is detailed in Chapter 15.4 of our Electric Design Manual, the relevant portion of which is included as an attachment "WMP-Discovery2023_DR_Ca/Advocates_032-Q000001.pdf".</p> <p>6) Please see table in part (A) for any costs associated with VM activities in HFT/DHRA.</p> <p>7) Not applicable as VM does not conduct inspections on right-of-way (ROW) for underground distribution lines.</p>	Holly Whitman	10/3/2023	11/14/2023	11/14/2023	<p>https://www.pge.com/content/dam/pge/docs/2023/2023%20VM%20Annual%20Report%20Final%20Presentation%2020230926.pdf</p>	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:</p> <p>A) The data.</p> <p>B) Estimated safety factor before conductor replacement (bare conductor).</p> <p>C) Determination of whether the pole needed replacement based on safety factor.</p> <p>D) Whether the pole was actually replaced.</p>	<p>Please reference attachment: "WMP-Discovery2023_DR_Ca/Advocates_032-Q001A001.xlsx" for the list of pole loading calculations performed as part of covered conductor projects that were conducted in 2022 and were completed the quality verification process. Projects conducted in 2023 are still undergoing quality verification and have not been included in the report.</p> <p>The report contains the following information:</p> <ol style="list-style-type: none"> The Pole SAP Equipment ID for the in-service poles. The In-Service Pole Status, options for this data field are as follows: The In-Service Pole SAP Equipment ID for the in-service poles. The In-Service Pole Status, options for this data field are as follows: The In-Service Pole SAP Equipment ID for the in-service poles. The In-Service Pole Status, options for this data field are as follows: <p>"Actual" means that the pole is newly required as part of the covered conductor installation project.</p> <p>"Repl" means that the pole is not used in the location prior to the covered conductor installation project. A pole did not exist in the location prior to the covered conductor installation project.</p> <p>3) This Material, options for this data field are as follows:</p> <p>1) WMP-Discovery2023_DR_Ca/Advocates_032-Q0001.pdf</p> <p>2) WMP-Discovery2023_DR_Ca/Advocates_032-Q0001.pdf</p> <p>3) WMP-Discovery2023_DR_Ca/Advocates_032-Q0001.pdf</p> <p>4) WMP-Discovery2023_DR_Ca/Advocates_032-Q0001.pdf</p> <p>5) WMP-Discovery2023_DR_Ca/Advocates_032-Q0001.pdf</p> <p>6) WMP-Discovery2023_DR_Ca/Advocates_032-Q0001.pdf</p> <p>7) WMP-Discovery2023_DR_Ca/Advocates_032-Q0001.pdf</p> <p>8) WMP-Discovery2023_DR_Ca/Advocates_032-Q0001.pdf</p> <p>9) WMP-Discovery2023_DR_Ca/Advocates_032-Q0001.pdf</p> <p>10) WMP-Discovery2023_DR_Ca/Advocates_032-Q0001.pdf</p>	Holly Whitman	10/3/2023	11/14/2023	11/14/2023	<p>https://www.pge.com/content/dam/pge/docs/2023/2023%20VM%20Annual%20Report%20Final%20Presentation%2020230926.pdf</p>	1	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
488	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 bare-to-covered conductor replacement projects. For these calculations, please provide:</p> <p>A) The full calculation (reads).</p> <p>B) The full calculation (outputs).</p> <p>C) Any instructions associated with the calculation (for example, an engineer's determination that the calculation determines a pole must be replaced).</p>	<p>4) - PG&E is providing the requested ten randomly selected pole loading calculations for covered conductor projects from 2020, 2021, and 2022. Please see attachment "WMP-Discovery2023_DR_Ca/Advocates_032-Q0001C1C2P" for the fully populated calculations provided. Each of these pole loading calculations contains raw data, outputs, and associated instructions (instructions to clarify the pole to use in editing).</p> <p>5) - PG&E is providing the requested ten randomly selected pole loading calculations for covered conductor projects from 2020, 2021, and 2022. Please see attachment "WMP-Discovery2023_DR_Ca/Advocates_032-Q0001C1C2P" for the fully populated calculations provided. Each of these pole loading calculations contains raw data, outputs, and associated instructions (instructions to clarify the pole to use in editing).</p> <p>6) - PG&E is providing the requested ten randomly selected pole loading calculations for covered conductor projects from 2020, 2021, and 2022. Please see attachment "WMP-Discovery2023_DR_Ca/Advocates_032-Q0001C1C2P" for the fully populated calculations provided. Each of these pole loading calculations contains raw data, outputs, and associated instructions (instructions to clarify the pole to use in editing).</p>	Holly Whitman	10/3/2023	11/14/2023	11/14/2023	<p>https://www.pge.com/content/dam/pge/docs/2023/2023%20VM%20Annual%20Report%20Final%20Presentation%2020230926.pdf</p>	1	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
487	OES	015	OES_015	1	OES_015_01	<p>Regarding confirmation of 2024-2025 targets:</p> <p>A) PG&E's 2023-2025 WMP Revision 3 Table 8.1.7.2 (page 553) shows that PG&E expects to close 68,200 backing distribution system risk tags in 2025. PG&E's targets in Tables 8.3 and 8.3a (RM-PG&E-23-04-2) do not reflect the same expected number of backing system risk tags outlined in Table 8.1.7.2. a) Where do the 48,000 distribution backing tags in 2025? b) Confirm that PG&E intends for its targets to reflect the plan and commitment made in its 2023-2025 WMP Revision 3 Table 8.1.7.2 (page 553).</p> <p>If, upon review the discrepancy between the commitment to close 68,200 backing distribution system risk tags in 2024 and 63,000 backing distribution system risk tags in 2025 (Table 8.1.7.2, page 553) in the target outlined in Tables 8.3 and RM-PG&E-23-04-2.</p>	<p>4) The discrepancy between the two tables reflects expected multi-year planning versus what is compressed in the minimum required tags to meet our risk reduction targets.</p> <p>5) PG&E does not represent the minimum amount of tags needed to meet our 80% reduction in the tag backlog, which was set as our target for the larger WMP submission. Given the leading approach approved in the subsequent Revision 3/09 response, we anticipate that we will be able to complete a wider volume of tags. We will exceed the quantity and risk reduction targets that were initially set in Table 8.3. For both years, additionally, the production of tags that exceed the target will be carried over into the next year. The production of tags that exceed the target will be carried over into the next year.</p>	Duke Smith	11/6/2023	11/6/2023	11/6/2023	<p>https://www.pge.com/content/dam/pge/docs/2023/2023%20VM%20Annual%20Report%20Final%20Presentation%2020230926.pdf</p>	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:</p> <p>A) Work order ID number</p> <p>B) Equipment type</p> <p>C) HFT ID</p> <p>D) Asset type: Distribution or transmission</p> <p>E) OOS (in 10 priority level of the tag)</p> <p>F) Utility-specific priority level (A or B)</p> <p>G) Date the tag was originally created</p> <p>H) Due date of the original work order</p> <p>I) Most recent date the work order was rescheduled or modified (if applicable)</p> <p>J) Due date of the work order after it was rescheduled or modified (if applicable)</p> <p>K) Date the work order was completed & closed, if any</p> <p>Note: tags are through to closed means the OOS for OOS of 2023.</p>	<p>Please provide an Excel sheet listing (in rows) each asset work order (or "tag") that was open as of November 3, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns:</p> <p>A) Work order ID number</p> <p>B) Equipment type</p> <p>C) HFT ID</p> <p>D) Asset type: Distribution or transmission</p> <p>E) OOS (in 10 priority level of the tag)</p> <p>F) Utility-specific priority level (A or B)</p> <p>G) Date the tag was originally created</p> <p>H) Due date of the original work order</p> <p>I) Most recent date the work order was rescheduled or modified (if applicable)</p> <p>J) Due date of the work order after it was rescheduled or modified (if applicable)</p> <p>K) Date the work order was completed & closed, if any</p>	Aaron Louie	11/8/2023	11/28/2023		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 November 3, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns:</p> <p>A) Work order ID number</p> <p>B) Equipment type</p> <p>C) HFT ID</p> <p>D) Asset type: Distribution or transmission</p> <p>E) OOS (in 10 priority level of the tag)</p> <p>F) Utility-specific priority level (A or B)</p> <p>G) Date the tag was originally created</p> <p>H) Due date of the original work order</p> <p>I) Most recent date the work order was rescheduled or modified (if applicable)</p> <p>J) Due date of the work order after it was rescheduled or modified (if applicable)</p> <p>K) Date the work order was completed & closed, if any</p>	<p>Please provide an Excel sheet listing (in rows) each asset work order (or "tag") that was open as of November 3, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns:</p> <p>A) Work order ID number</p> <p>B) Equipment type</p> <p>C) HFT ID</p> <p>D) Asset type: Distribution or transmission</p> <p>E) OOS (in 10 priority level of the tag)</p> <p>F) Utility-specific priority level (A or B)</p> <p>G) Date the tag was originally created</p> <p>H) Due date of the original work order</p> <p>I) Most recent date the work order was rescheduled or modified (if applicable)</p> <p>J) Due date of the work order after it was rescheduled or modified (if applicable)</p> <p>K) Date the work order was completed & closed, if any</p>	Aaron Louie	11/8/2023	11/28/2023		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 3, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns:</p> <p>A) Work order ID number</p> <p>B) Equipment type</p> <p>C) HFT ID</p> <p>D) Asset type: Distribution or transmission</p> <p>E) OOS (in 10 priority level of the tag)</p> <p>F) Utility-specific priority level (A or B)</p> <p>G) Date the tag was originally created</p> <p>H) Due date of the original work order</p> <p>I) Most recent date the work order was rescheduled or modified (if applicable)</p> <p>J) Due date of the work order after it was rescheduled or modified (if applicable)</p> <p>K) Date the work order was completed & closed, if any</p>	<p>Please provide an Excel sheet listing (in rows) each asset work order (or "tag") that was open as of November 3, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns:</p> <p>A) Work order ID number</p> <p>B) Equipment type</p> <p>C) HFT ID</p> <p>D) Asset type: Distribution or transmission</p> <p>E) OOS (in 10 priority level of the tag)</p> <p>F) Utility-specific priority level (A or B)</p> <p>G) Date the tag was originally created</p> <p>H) Due date of the original work order</p> <p>I) Most recent date the work order was rescheduled or modified (if applicable)</p> <p>J) Due date of the work order after it was rescheduled or modified (if applicable)</p> <p>K) Date the work order was completed & closed, if any</p>	Aaron Louie	11/8/2023	11/28/2023		8.1.7	Open Work Orders	NA			
Pre-Discovery 01	CaPA	Sat WMP-01	CaPA_Sat WMP-01	1	CaPA_Sat WMP-01_01	<p>This data request pertains to year 2023-2025 Wildfire Mitigation Plan (WMP) and all related documents and submissions (including but not limited to data submissions, tables, GIS data, attachments, and appendices).</p> <p>This data request covers the entirety of calendar year 2023.</p> <p>Please provide a copy of each WMP-related document, submission, or report you submit to the Office of Energy Infrastructure Safety (Energy Safety) in 2023 in full and in its original format. Provide the copy to Cal-Advocates within one business day of the document's submission to Energy Safety. You have submitted the document to Energy Safety in full and in its original format. Please provide a copy of any additional documents, tables, GIS data, attachments, and appendices you submit to Energy Safety within one business day of the document's submission to Energy Safety.</p> <p>This request is limited to the following documents (1) any related to work plans, initiative targets, risk metrics, risk spend/efficiency (P&E) calculations, and WMP change orders, and (2) any provided to Energy Safety to provide additional details or context concerning information or statements in your WMP (and any subsequent revisions or change orders affecting your WMP).</p>	<p>PG&E also objects to the instructions or objections in the list of data requests outlined in Ca/Advocates-PGE-2023WMP-01 that purport to impose any obligations greater than those provided by the applicable rules and decisions of the Commission and any other state, utility, orders, rules, or laws setting the regulatory authority and jurisdiction of the Commission. In particular, PG&E objects to the instruction that purports to require a burden on the responding party to search for, and produce, all information that may be relevant under unclear conditions, definitions, or instructions. The ability to prepare precise and well-defined instructions, definitions, and requests is on the party seeking the information and cannot be shifted to the responding party. Additionally, PG&E objects to the instruction that PG&E must "provide the name and title of the responding individual as burdensome and not reasonably calculable to assist in the discovery of admissible evidence. Our responses to data requests are the product of a single individual or a team of individuals working together from different departments in the company. If the responding party wishes to contact PG&E with questions or concerns about a data request, it may do so by contacting the appropriate individuals in the Regulatory Relations or Law Department upon the request was served.</p> <p>PG&E also objects to the following definitions:</p> <ul style="list-style-type: none"> "The definition of "Tables of "Context" which are burdensome to the extent they request material, "revision, or connected with, in any way" the "scope of the data request." "The definition of "Tables of "Context" which are burdensome to the extent they request material, "revision, or connected with, in any way" the "scope of the data request." "The definition of "Tables of "Context" which are burdensome to the extent they request material, "revision, or connected with, in any way" the "scope of the data request." <p>PG&E also objects to the following definitions:</p> <ul style="list-style-type: none"> "The definition of "Tables of "Context" which are burdensome to the extent they request material, "revision, or connected with, in any way" the "scope of the data request." "The definition of "Tables of "Context" which are burdensome to the extent they request material, "revision, or connected with, in any way" the "scope of the data request." "The definition of "Tables of "Context" which are burdensome to the extent they request material, "revision, or connected with, in any way" the "scope of the data request." 	Holly Whitman	2/7/2023	2/14/2023	2/14/2023	<p>https://www.pge.com/content/dam/pge/docs/2023/2023%20VM%20Annual%20Report%20Final%20Presentation%2020230926.pdf</p>	0	NA	NA	NA	NA
Pre-Discovery 02	CaPA	Sat WMP-01	CaPA_Sat WMP-01	2	CaPA_Sat WMP-01_02	<p>Please provide a copy of your WMP pre-submission within two business days of its submission to Energy Safety.</p>	<p>Attachment "WMP-Discovery2023_DR_Ca/Advocates_01-2023ANDNOCP.pdf" is our WMP pre-submission to Energy Safety. Please note that this document is not our final WMP submission and will be updated before the final WMP is submitted.</p> <p>Additionally, we have designated the entire submission to be confidential to align with Energy Safety's pre-submission process and guidelines which stipulate that the pre-submission documents are not to be made public.</p>	Holly Whitman	2/7/2023	2/15/2023	2/15/2023	<p>https://www.pge.com/content/dam/pge/docs/2023/2023%20VM%20Annual%20Report%20Final%20Presentation%2020230926.pdf</p>	1	NA	NA	NA	NA

Pre-Discovery 17	CaPA	Sat WMP-03	CaPA_Sat WMP-03	10	CaPA_Sat WMP-03_010	<p>For each WMP initiative listed below, please state how the modified Wildlife Risk Scores for each circuit or physical infrastructure for work in 2024 will be sequenced.</p> <p>a. EVM b. Circuit conductor installation c. Underpinning d. Distribution and re-termination e. Grid consolidation f. Distribution and re-termination g. Detailed inspections of transmission assets h. Asset inspections of distribution assets i. Asset inspections of transmission assets j. LDMR inspections of distribution assets k. LDMR inspections of transmission assets</p>	Holly Whitman	2/10/2023	3/10/2023	3/10/2023	https://www.pge.com/eng_assets/global/communities/na/us/oregon/2023-wmp-03-010/	0	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
Pre-Discovery 18	CaPA	Sat WMP-04	CaPA_Sat WMP-04	1	CaPA_Sat WMP-04_01	<p>For each WMP initiative for which you forecast capital expenditures in 2023 to be at least two times actual capital expenditures in 2022, please provide:</p> <p>a) The name of the initiative as it is identified in your 2023-2025 WMP b) The WMP initiative number in Table 11 of your 2023-2025 WMP c) The name of the initiative as it is identified in your 2022 WMP Update d) The WMP initiative number in Table 12 of your 2022 WMP Update e) An explanation for the projected increase.</p>	Holly Whitman	2/10/2023	3/7/2023	3/7/2023	https://www.pge.com/eng_assets/global/communities/na/us/oregon/2023-wmp-04-01/	0	NA	Section 4.3	Proposed Expenditures	NA
Pre-Discovery 19	CaPA	Sat WMP-04	CaPA_Sat WMP-04	2	CaPA_Sat WMP-04_02	<p>For each WMP initiative for which you forecast capital expenditures in 2024 to be at least two times actual capital expenditures in 2022, please provide:</p> <p>a) The name of the initiative as it is identified in your 2023-2025 WMP b) The WMP initiative number in Table 11 of your 2023-2025 WMP c) The name of the initiative as it is identified in your 2022 WMP Update d) The WMP initiative number in Table 12 of your 2022 WMP Update e) An explanation for the projected increase.</p>	Holly Whitman	2/10/2023	3/7/2023	3/7/2023	https://www.pge.com/eng_assets/global/communities/na/us/oregon/2023-wmp-04-02/	0	NA	Section 4.3	Proposed Expenditures	NA
Pre-Discovery 20	CaPA	Sat WMP-04	CaPA_Sat WMP-04	3	CaPA_Sat WMP-04_03	<p>For each WMP initiative for which you forecast operating expenditures in 2023 to be at least two times actual operating expenditures in 2022, please provide:</p> <p>a) The name of the initiative as it is identified in your 2023-2025 WMP b) The WMP initiative number in Table 11 of your 2023-2025 WMP c) The name of the initiative as it is identified in your 2022 WMP Update d) The WMP initiative number in Table 12 of your 2022 WMP Update e) An explanation for the projected increase.</p>	Holly Whitman	2/10/2023	3/7/2023	3/7/2023	https://www.pge.com/eng_assets/global/communities/na/us/oregon/2023-wmp-04-03/	0	NA	Section 4.3	Proposed Expenditures	NA
Pre-Discovery 21	CaPA	Sat WMP-04	CaPA_Sat WMP-04	4	CaPA_Sat WMP-04_04	<p>For each WMP initiative for which you forecast operating expenditures in 2024 to be at least two times actual operating expenditures in 2022, please provide:</p> <p>a) The name of the initiative as it is identified in your 2023-2025 WMP b) The WMP initiative number in Table 11 of your 2023-2025 WMP c) The name of the initiative as it is identified in your 2022 WMP Update d) The WMP initiative number in Table 12 of your 2022 WMP Update e) An explanation for the projected increase.</p>	Holly Whitman	2/10/2023	3/7/2023	3/7/2023	https://www.pge.com/eng_assets/global/communities/na/us/oregon/2023-wmp-04-04/	0	NA	Section 4.3	Proposed Expenditures	NA
Pre-Discovery 22	CaPA	Sat WMP-05	CaPA_Sat WMP-05	1	CaPA_Sat WMP-05_01	<p>In response to Data Request Call#Cakohokos-PGE-2022WMP-31 on September 8, 2022, PG&E provided information regarding its Initiative Distribution Risk Reduction 3 (WDRM-3). Please provide an updated response to Question 1 of the above referenced data request, including any new or changed information since PG&E's original response. If the response to a question has not changed, please so indicate.</p>	Holly Whitman	2/10/2023	3/10/2023	3/10/2023	https://www.pge.com/eng_assets/global/communities/na/us/oregon/2023-wmp-05-01/	0	NA	2022 WMP Section 4.5	Market Metrics and Calculation Methodologies	WDRM v3
Pre-Discovery 23	CaPA	Sat WMP-05	CaPA_Sat WMP-05	2	CaPA_Sat WMP-05_02	<p>a) The potential of falling or falling trees or power lines where falling or falling trees or poles could currently limit access or impose delays during an emergency? b) If the answer to part (a) is no, please describe how you identify such transportation corridors. c) If available, please a geospatial data file that contains all current identified transportation corridors with WDRM-3 and WDRM-3B labels.</p>	Holly Whitman	2/10/2023	3/10/2023	3/10/2023	https://www.pge.com/eng_assets/global/communities/na/us/oregon/2023-wmp-05-02/	0	NA	8.1.3	Asset Inspections	NA
Pre-Discovery 24	CaPA	Sat WMP-05	CaPA_Sat WMP-05	3	CaPA_Sat WMP-05_03	<p>Please fill out the attached spreadsheet, Call#Cakohokos-PGE-2022WMP-05 Abstract 1 - requesting information regarding your asset inspections in 2022.</p>	Holly Whitman	2/10/2023	3/10/2023	3/10/2023	https://www.pge.com/eng_assets/global/communities/na/us/oregon/2023-wmp-05-03/	1	NA	8.1.3	Asset Inspections	Inspections completed in 2022
Pre-Discovery 25	CaPA	Sat WMP-05	CaPA_Sat WMP-05	4	CaPA_Sat WMP-05_04	<p>Please agree Table 13 of the non-regulated data tables in your WMP Quarterly Data Report for Q4 of 2022, which reports asset condition classifications on electric circuits that were opened at the end of the quarter, as follows:</p> <p>a) Name of the associated circuit b) ID number of the associated circuit c) Geographic latitude in decimal degrees, rounded to seven decimal places d) Geographic longitude in decimal degrees, rounded to seven decimal places e) Priority of the original notification, using PG&E's Internal priority level code f) Disposition code or other internal description of defect g) Please complete columns in "Equipment Type" of Table 13. h) Please complete or explain why each of the below columns is not applicable: i) Column 1 j) Column 2 k) Column 3 l) Column 4</p>	Holly Whitman	2/10/2023	3/10/2023	3/10/2023	https://www.pge.com/eng_assets/global/communities/na/us/oregon/2023-wmp-05-04/	2	NA	2022 Q4 CDR	P	None
Pre-Discovery 26	CaPA	Sat WMP-06	CaPA_Sat WMP-06	1	CaPA_Sat WMP-06_01	<p>Please provide your worksheet that describes when you will complete EVM projects in 2023. This worksheet should be in an Excel format, with circumscriptions as rows. Please include the following information in separate columns in the Excel spreadsheet at a minimum:</p> <p>a) Circuit name b) Circuit segment name c) Circuit segment ID number d) EVM risks to be completed in 2023 e) Risk categories for the circuit segment.</p> <p>Please provide your worksheet that describes when you will complete EVM projects in 2024. This worksheet should be in an Excel format, with circumscriptions as rows. Please include the following information in separate columns in the Excel spreadsheet at a minimum:</p> <p>a) Circuit name b) Circuit segment name c) Circuit segment ID number d) EVM risks to be completed in 2024 e) Risk categories for the circuit segment.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/eng_assets/global/communities/na/us/oregon/2023-wmp-06-01/	0	NA	2023-2025 WMP 8.2.3	Vegetation Management	EVM
Pre-Discovery 27	CaPA	Sat WMP-06	CaPA_Sat WMP-06	2	CaPA_Sat WMP-06_02	<p>Please provide your worksheet that describes when you will complete EVM projects in 2024. This worksheet should be in an Excel format, with circumscriptions as rows. Please include the following information in separate columns in the Excel spreadsheet at a minimum:</p> <p>a) Circuit name b) Circuit segment name c) Circuit segment ID number d) EVM risks to be completed in 2024 e) Risk categories for the circuit segment.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/eng_assets/global/communities/na/us/oregon/2023-wmp-06-02/	0	NA	2023-2025 WMP 8.2.3	Vegetation Management	EVM
Pre-Discovery 28	CaPA	Sat WMP-06	CaPA_Sat WMP-06	3	CaPA_Sat WMP-06_03	<p>In response to Data Request Call#Cakohokos-PGE-2022WMP-11, Question 2, March 3, 2022, PG&E provided information regarding its Initiative Distribution Risk Reduction 3 (WDRM-3). Please provide an updated response to Question 2 of the above referenced data request, including any new or changed information since PG&E's original response. If the response to a question has not changed, please so indicate.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/eng_assets/global/communities/na/us/oregon/2023-wmp-06-03/	1	NA	2022 WMP 7.3.5.2	Vegetation Management and Inspections	Enhance Vegetation Management
Pre-Discovery 29	CaPA	Sat WMP-06	CaPA_Sat WMP-06	4	CaPA_Sat WMP-06_04	<p>In response to Data Request Call#Cakohokos-PGE-2022WMP-16, Question 11, March 23, 2022, PG&E issued the following: "Through 2023, the EVM program includes wildfire smoke mitigation and hazard reduction including clearing and radial clearance. Starting in 2023, Enhanced VMI only includes overhead clearing."</p> <p>If the answer to part (a) is no, please update the above statement to reflect PG&E's response through 2023.</p> <p>If the answer to part (a) is no, please update the above statement to reflect PG&E's vegetation management strategy for 2024.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/eng_assets/global/communities/na/us/oregon/2023-wmp-06-04/	0	NA	2022 WMP 7.3.5	Vegetation Management and Inspections	Program Costs
Pre-Discovery 30	CaPA	Sat WMP-06	CaPA_Sat WMP-06	5	CaPA_Sat WMP-06_05	<p>In response to Data Request Call#Cakohokos-PGE-2022WMP-16, Question 16, March 18, 2022, PG&E provided the following table, which shows spending on vegetation management programs in thousands of dollars (actual figures for 2019-2021 and forecast figures for 2022-2023).</p> <p>Please update this table as follows:</p> <p>a) Update the 2022 column to show PG&E's current forecasts for 2022. b) Add a column that shows PG&E's current forecasts for 2024. c) Please add rows as necessary, if any changes in PG&E's vegetation management strategy have resulted from 2022Q4 call#Cakohokos-PGE-2022WMP-16.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/eng_assets/global/communities/na/us/oregon/2023-wmp-06-05/	0	NA	Vegetation Management	NA	NA

Pre-Discovery 31	CaPA	Sat WMP-06	CaPA_Sat WMP-06	6	CaPA_Sat WMP-06_06	<p>Please provide a list of any incidents in 2022 where the actions of a VM contractor posed a safety risk to workers and/or the public. "Safety risk" here is defined as any occurrence on a worksite where the contractor's actions created a safety hazard for either workers or the general public.</p> <p>For each incident, please provide:</p> <ol style="list-style-type: none"> The date you were informed of the safety issue The date that the original work that created the safety issue was performed Whether the safety issue concerned a transmission or distribution circuit The vegetation management activities involved in the original work A brief description of the safety issue involved. 	<p>Please refer to Attachment "WMP-Discovery2023_DR_CaPAIncidents_006-Q001A01CONF.xlsx" for a list of all contractors involved safety incidents that took place in 2022. The data includes:</p> <ul style="list-style-type: none"> Contract Name/ProjectID: The contractor/project name involved in the incident CD/ID: The date of the incident Date EN: The date the incident was formally reported and logged Where EN: The location where the incident took place Type: The incident type (in the work) Incident Description: A brief description of the incident Program Description on which include a contractor was working on, on the date of incident Correction Action: A description of the action(s) PG&E took to prevent recurrence <p>Please refer to Attachment "WMP-Discovery2023_DR_CaPAIncidents_006-Q001A01CONF.xlsx" for a list of all contractors involved safety incidents that took place in 2022. The data includes:</p> <ul style="list-style-type: none"> Contract Name/ProjectID: The contractor/project name involved in the incident CD/ID: The date of the incident Date EN: The date the incident was formally reported and logged Where EN: The location where the incident took place Type: The incident type (in the work) Incident Description: A brief description of the incident Program Description on which include a contractor was working on, on the date of incident Correction Action: A description of the action(s) PG&E took to prevent recurrence 	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	1	NA	Vegetation Management	NA	NA
Pre-Discovery 32	CaPA	Sat WMP-06	CaPA_Sat WMP-06	7	CaPA_Sat WMP-06_07	<p>In response to Date Release CaPAIncidents-PGE-2022WMP-14, Question 13, March 15, 2022, PG&E provided 2022 system hardening worklogs for the categories associated to each circuit ID below. Please provide an updated version of the worklogs with additional columns to show the actual system hardening work performed in each circuit segment in 2022 for each of these categories. Please add rows as needed to cover all circuit segments where PG&E performed system hardening work in 2022 (even if those circuit segments were not included in the original worklogs).</p> <ol style="list-style-type: none"> Installation of covered conductor Installation of underground conductor Removal of overhead conductor Removal of overhead conductor associated with vehicle grid work. 	<p>See "WMP-Discovery2023_DR_CaPAIncidents_006-Q001A01CONF.xlsx". This file includes the 2022 system hardening completed work in the below columns:</p> <ul style="list-style-type: none"> Installation of covered conductor: See column P Installation of underground conductor: See column Q Removal of overhead conductor: See column R Removal of overhead conductor associated with vehicle grid work: See column S <p>It is a safety overhead conductor completely de-energized and returned to service. It is a safety overhead conductor associated with vehicle grid work. There was no removal from remote grid work in 2022. Since the installation of remote grid generating work occurred late in 2022, the associated line removal of de-energized conductor will take place in 2023.</p> <p>Similar to the response to CaPAIncidents-PGE-2022WMP-14, Question 13, the data includes project information from 2021 and 2023 only where projects overlap with these years. Thus, the 2021 and 2023 data is not comprehensive.</p> <p>Additionally, because this question is associated with the System Hardening worklogs only, this data does not include underground mileage associated with the Bata Reliabil.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	1	NA	2022 WMP Section 7.3.3.17	Grid Design and System Hardening	System Hardening
Pre-Discovery 33	CaPA	Sat WMP-06	CaPA_Sat WMP-06	8	CaPA_Sat WMP-06_08	<p>Provide your worklogs that describe when and where you will perform system hardening on distribution circuits in 2023. For projects that you expect to partially complete in 2023 (i.e., projects that started before 2023 and are expected to continue in 2023), or projects that are expected to be completed after 2023, please include the project and report the work that you forecast will actually be performed in calendar year 2023.</p> <p>For each project, include the following information in separate columns, as a minimum:</p> <ol style="list-style-type: none"> Order number MAF code Program Circuit ID number MAF code Circuit segment name or ID number (if the project affects more than one circuit segment, please identify each one) Relevant wildfire risk scenario from the wildfire risk model that you are using to estimate distribution risk in your 2023-2025 WMP filing The expected start date of the project The expected completion date of the project Length (in circuit miles) of covered conductor to be installed in 2023 Length (in circuit miles) of overhead conductor to be permanently removed in 2023 and replaced by underground conductor (note that this may differ slightly from the previous section due to differing overhead conductor to be permanently removed in 2023 and not replaced with covered conductor or underground project) Length (in circuit miles) of overhead conductor to be permanently removed in 2024 and not replaced with covered conductor or underground project Length (in circuit miles) of overhead conductor to be installed in 2024 (if this is greater than zero, please describe the type of system hardening project) Length (in circuit miles) of any other type of system hardening project to be installed in 2023. If this includes other types, please describe the type of system hardening project. 	<p>See "WMP-Discovery2023_DR_CaPAIncidents_006-Q001A01CONF.xlsx". This file includes the 2022 system hardening completed work in the below columns:</p> <ul style="list-style-type: none"> Installation of covered conductor: See column P Installation of underground conductor: See column Q Removal of overhead conductor: See column R Removal of overhead conductor associated with vehicle grid work: See column S <p>It is a safety overhead conductor completely de-energized and returned to service. It is a safety overhead conductor associated with vehicle grid work. There was no removal from remote grid work in 2022. Since the installation of remote grid generating work occurred late in 2022, the associated line removal of de-energized conductor will take place in 2023.</p> <p>Similar to the response to CaPAIncidents-PGE-2022WMP-14, Question 13, the data includes project information from 2021 and 2023 only where projects overlap with these years. Thus, the 2021 and 2023 data is not comprehensive.</p> <p>Additionally, because this question is associated with the System Hardening worklogs only, this data does not include underground mileage associated with the Bata Reliabil.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	1	NA	2023 WMP Section 8.1.2.5	System Hardening	NA
Pre-Discovery 34	CaPA	Sat WMP-06	CaPA_Sat WMP-06	9	CaPA_Sat WMP-06_09	<p>Provide your worklogs that describe when and where you will perform system hardening on distribution circuits in 2024. For projects that you expect to partially complete in 2024 (i.e., projects that started before 2024 and are expected to continue in 2024), or projects that are expected to be completed after 2024, please include the project and report the work that you forecast will actually be performed in calendar year 2024.</p> <p>For each project, include the following information in separate columns, as a minimum:</p> <ol style="list-style-type: none"> Order number MAF code Program Circuit ID number MAF code Circuit segment name or ID number (if the project affects more than one circuit segment, please identify each one) Relevant wildfire risk scenario from the wildfire risk model that you are using to estimate distribution risk in your 2023-2025 WMP filing The expected start date of the project The expected completion date of the project Length (in circuit miles) of covered conductor to be installed in 2024 Length (in circuit miles) of overhead conductor to be permanently removed in 2024 and replaced by underground conductor (note that this may differ slightly from the previous section due to differing overhead conductor to be permanently removed in 2024 and not replaced with covered conductor or underground project) Length (in circuit miles) of overhead conductor to be permanently removed in 2025 and not replaced with covered conductor or underground project Length (in circuit miles) of overhead conductor to be installed in 2025 (if this is greater than zero, please describe the type of system hardening project) Length (in circuit miles) of any other type of system hardening project to be installed in 2024. If this includes other types, please describe the type of system hardening project. 	<p>See "WMP-Discovery2023_DR_CaPAIncidents_006-Q001A01CONF.xlsx". This file includes the 2022 system hardening completed work in the below columns:</p> <ul style="list-style-type: none"> Installation of covered conductor: See column P Installation of underground conductor: See column Q Removal of overhead conductor: See column R Removal of overhead conductor associated with vehicle grid work: See column S <p>It is a safety overhead conductor completely de-energized and returned to service. It is a safety overhead conductor associated with vehicle grid work. There was no removal from remote grid work in 2022. Since the installation of remote grid generating work occurred late in 2022, the associated line removal of de-energized conductor will take place in 2023.</p> <p>Similar to the response to CaPAIncidents-PGE-2022WMP-14, Question 13, the data includes project information from 2021 and 2023 only where projects overlap with these years. Thus, the 2021 and 2023 data is not comprehensive.</p> <p>Additionally, because this question is associated with the System Hardening worklogs only, this data does not include underground mileage associated with the Bata Reliabil.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	0	NA	2023 WMP Section 8.1.2.5	System Hardening	NA
Pre-Discovery 35	CaPA	Sat WMP-06	CaPA_Sat WMP-06	10	CaPA_Sat WMP-06_10	<p>For each of your 2023-2025 WMP system hardening initiatives, please provide disaggregated information related to expenditures and circuit miles treated in the attached table, CaPAIncidents_PGE-2023WMP-06 Attachment 1. Add columns as needed.</p>	<p>See details on the cost and mileage treatments in attached file "WMP-Discovery2023_DR_CaPAIncidents_006-Q011A01CONF.xlsx".</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	1	NA	2023 WMP Section 4.3	Proposed Expenditures	System Hardening
Pre-Discovery 36	CaPA	Sat WMP-06	CaPA_Sat WMP-06	11	CaPA_Sat WMP-06_11	<p>Please provide a spreadsheet listing (as rows) each underground project completed during the period of January 1, 2022, through December 31, 2022. For each project, please provide the following information (as columns):</p> <ol style="list-style-type: none"> Project ID number or other identifier Circuit ID ID of each circuit segment that was entirely underground in the project ID of each circuit segment that was partially underground in the project County or counties where underground took place Project start date Project completion date Total miles of trenching required - This information is not tracked by PG&E. Total electric costs of the project (i.e., costs attributed to your electric facilities), including costs for planning, design, permitting, and construction - See column X Total electric costs of the project, including costs attributed to non-electric utilities, including costs for planning, design, permitting, and construction - There is no non-electric utility work in the scope of system hardening undergrounding (Whether the work was a Rule 20 project (yes/no)) - See column Y Whether the work was a post-wildfire related project (yes/no) - See column Z Whether the work was a post-wildfire related project (yes/no) - See column Z Whether you allowed benches for any projects identified in WMP-Discovery2023_DR_CaPAIncidents_006-Q011A01CONF.xlsx Whether you allowed benches for any projects with gas facilities (yes/no) - No. For system hardening, we do not allow benches with gas. The data includes project information from 2021 when projects overlap with 2022. <p>Because this question is associated with the System Hardening worklogs only, this data does not include underground mileage associated with the Bata Reliabil.</p> <p>For the purposes of this question and the following question, "electric costs" refers to the start-to-finish costs to complete the capital project, from planning to the end of construction. This does not include maintenance or operational costs after the underground infrastructure is completed and in use.</p> <p>5 Constructed in accordance with The CPUC's Electric Tariff Rule 20</p>	<p>See "WMP-Discovery2023_DR_CaPAIncidents_006-Q011A01CONF.xlsx".</p> <ol style="list-style-type: none"> Project ID number or other identifier - See column A (Order Number) and B (Order Description) Circuit ID - See column C ID of each circuit segment that was entirely underground in the project - Our underground projects are split into multiple phases within a given circuit protection zone (CPZ) and/or circuit segment. The undergrounding of complete CPZs is a multi-year effort that generally is captured in the data shown for a single year. ID of each circuit segment that was partially underground in the project - For projects (a), (b), (c), our undergrounding projects are split into multiple phases within a given circuit protection zone (CPZ) and/or circuit segment. The undergrounding of complete CPZs is a multi-year effort that generally is captured in the data shown for a single year. It is not possible to determine completion of an entire CPZ. County or counties where underground took place - See column I Project start date - See column J Project completion date - See column K Total miles of trenching required - This information is not tracked by PG&E. Total electric costs of the project (i.e., costs attributed to your electric facilities), including costs for planning, design, permitting, and construction - See column X Total electric costs of the project, including costs attributed to non-electric utilities, including costs for planning, design, permitting, and construction - There is no non-electric utility work in the scope of system hardening undergrounding (Whether the work was a Rule 20 project (yes/no)) - See column Y Whether the work was a post-wildfire related project (yes/no) - See column Z Whether the work was a post-wildfire related project (yes/no) - See column Z Whether you allowed benches for any projects identified in WMP-Discovery2023_DR_CaPAIncidents_006-Q011A01CONF.xlsx Whether you allowed benches for any projects with gas facilities (yes/no) - No. For system hardening, we do not allow benches with gas. The data includes project information from 2021 when projects overlap with 2022. 	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
Pre-Discovery 37	CaPA	Sat WMP-06	CaPA_Sat WMP-06	12	CaPA_Sat WMP-06_12	<p>Please provide a spreadsheet file with a profile matrix for each undergrounding project completed during the period of January 1, 2022, through December 31, 2022. In addition to the spatial location, please provide the following attributes for each project:</p> <ol style="list-style-type: none"> Project ID number or other identifier, matching part (a) of the previous question Circuit ID Project completion date 	<p>See Attachment "WMP-Discovery2023_DR_CaPAIncidents_006-Q012A01CONF.xlsx". Please note that the data reflected in this spreadsheet will not reach data end from 011 due to the process time lag between construction completion and being fully reported to GIS.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
Pre-Discovery 38	CaPA	Sat WMP-06	CaPA_Sat WMP-06	13	CaPA_Sat WMP-06_13	<p>Identify any ignitions in 2022 associated with assets where you had an existing corrective notification at the time of the ignition. Please provide a spreadsheet listing each ignition (as rows) with the following information in separate columns:</p> <ol style="list-style-type: none"> Unique ignition ID Date of ignition Case of ignition Type of asset associated with the ignition Asset burned Number of shoves burned, if any Number of ignites associated with ignition, if any Asset ID of asset associated with ignition Circuit ID number of circuit associated with ignition Notification number(s) for the existing maintenance work on the asset in question. 	<p>Please see the table below identifying 2022 CPUC reportable ignitions where the asset involved in the ignition was associated with an existing open corrective maintenance notification at the time of the event.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	0	NA	2022 WMP Section 7.3.4	Asset Management and Inspections	NA
Pre-Discovery 39	CaPA	Sat WMP-06	CaPA_Sat WMP-06	14	CaPA_Sat WMP-06_14	<p>All Has PG&E's Asset Failure Analysis Team causally connected any ignitions that occurred in 2022 to assets with existing assets or vegetation corrective notification at the time of ignition. If the answer to part (a) is yes, please provide the following information on each such ignition:</p> <ol style="list-style-type: none"> Unique ignition ID (including the previous question) Date of ignition Case(s) identified by the Asset Failure Analysis Team Type of corrective notification that was linked to the ignition (i.e., the priority level and whether it related to asset management or vegetation management) Copy of associated reports or investigations performed by the Asset Failure Analysis Team. 	<p>See Attachment "WMP-Discovery2023_DR_CaPAIncidents_006-Q013A01CONF.xlsx".</p> <ol style="list-style-type: none"> Unique ignition ID (including the previous question) Date of ignition Case(s) identified by the Asset Failure Analysis Team Type of corrective notification that was linked to the ignition (i.e., the priority level and whether it related to asset management or vegetation management) Copy of associated reports or investigations performed by the Asset Failure Analysis Team. 	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	0	NA	2022 WMP 7.3.7	Data Governance	Asset Failure Analysis

