



Row ID	Agency	Project Name	Section	Page	Project Title	Start Date	End Date	Lead	Priority	Status	Notes			
14	CAPIA	Sat WMP-08	CaPIA_Sat WMP-08	2	CaPIA_Sat WMP-08_02	3/30/2023	4/30/2023	4/30/2023	Holly Wetstein	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
15	CAPIA	Sat WMP-08	CaPIA_Sat WMP-08	3	CaPIA_Sat WMP-08_03	3/30/2023	4/30/2023	4/30/2023	Holly Wetstein	0	NA	8.2.2.3	Vegetation Management and Inspections	VM for Operational Mitigations
16	CAPIA	Sat WMP-08	CaPIA_Sat WMP-08	4	CaPIA_Sat WMP-08_04	3/30/2023	4/30/2023	4/30/2023	Holly Wetstein	0	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
17	CAPIA	Sat WMP-08	CaPIA_Sat WMP-08	5	CaPIA_Sat WMP-08_05	3/30/2023	4/30/2023	4/30/2023	Holly Wetstein	0	NA	8.2.2.4	Vegetation Management and Inspections	Fall-In Migration
18	CAPIA	Sat WMP-08	CaPIA_Sat WMP-08	6	CaPIA_Sat WMP-08_06	3/30/2023	4/30/2023	4/30/2023	Holly Wetstein	0	NA	8.2.2.4	Vegetation Management and Inspections	Fall-In Migration
19	CAPIA	Sat WMP-08	CaPIA_Sat WMP-08	7	CaPIA_Sat WMP-08_07	3/30/2023	4/30/2023	4/30/2023	Holly Wetstein	0	NA	7.2.3	Wildfire Mitigation Strategy Development	Insect Mitigation Initiatives
20	CAPIA	Sat WMP-08	CaPIA_Sat WMP-08	8	CaPIA_Sat WMP-08_08	3/30/2023	4/30/2023	4/30/2023	Holly Wetstein	0	NA	7.2.3	Wildfire Mitigation Strategy Development	Insect Mitigation Initiatives
21	CAPIA	Sat WMP-08	CaPIA_Sat WMP-08	9	CaPIA_Sat WMP-08_09	3/30/2023	4/30/2023	4/30/2023	Holly Wetstein	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
22	CAPIA	Sat WMP-08	CaPIA_Sat WMP-08	10	CaPIA_Sat WMP-08_10	3/30/2023	4/30/2023	4/30/2023	Holly Wetstein	0	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections









51	CaPA	Sat WMP-10	CaPA_Sat WMP-10	4	CaPA_Sat WMP-10_Q4	<p>P. 438 of PG&amp;E's WMP states, with regard to DTS-FAST:</p> <p>a) Provide details on the results of the field test installation at Martinez.</p> <p>b) Provide details on the results of the field test installation at Martinez.</p> <p>c) Provide details on the results of the field test installation at Martinez.</p> <p>d) Provide details on the results of the field test installation at Martinez.</p> <p>e) Provide details on the results of the field test installation at Martinez.</p> <p>f) Provide details on the results of the field test installation at Martinez.</p> <p>g) Provide details on the results of the field test installation at Martinez.</p> <p>h) Provide details on the results of the field test installation at Martinez.</p> <p>i) Provide details on the results of the field test installation at Martinez.</p> <p>j) Provide details on the results of the field test installation at Martinez.</p> <p>k) Provide details on the results of the field test installation at Martinez.</p> <p>l) Provide details on the results of the field test installation at Martinez.</p> <p>m) Provide details on the results of the field test installation at Martinez.</p> <p>n) Provide details on the results of the field test installation at Martinez.</p> <p>o) Provide details on the results of the field test installation at Martinez.</p> <p>p) Provide details on the results of the field test installation at Martinez.</p> <p>q) Provide details on the results of the field test installation at Martinez.</p> <p>r) Provide details on the results of the field test installation at Martinez.</p> <p>s) Provide details on the results of the field test installation at Martinez.</p> <p>t) Provide details on the results of the field test installation at Martinez.</p> <p>u) Provide details on the results of the field test installation at Martinez.</p> <p>v) Provide details on the results of the field test installation at Martinez.</p> <p>w) Provide details on the results of the field test installation at Martinez.</p> <p>x) Provide details on the results of the field test installation at Martinez.</p> <p>y) Provide details on the results of the field test installation at Martinez.</p> <p>z) Provide details on the results of the field test installation at Martinez.</p>	Holly Wetman	442023	4102023	4102023	0	NA	8.1.2.2	Grid Design and System Hardening	Emerging Grid Hardening Technology Installations and Plans
52	CaPA	Sat WMP-10	CaPA_Sat WMP-10	5	CaPA_Sat WMP-10_Q5	<p>P. 437 of PG&amp;E's WMP states, "If deployed, DTS-FAST could have a significant impact on wildfire risk where deployed."</p> <p>a) Please quantify the phrase "a significant impact on wildfire risk" in the above quote.</p> <p>b) Please provide any mitigations or studies to support your answer to part (a).</p> <p>c) Please provide the CEQR report for the HTFD customers for each year from 2019-2022.</p>	Holly Wetman	442023	4102023	4102023	0	NA	8.1.2.1	Grid Design and System Hardening	Emerging Grid Hardening Technology Installations and Plans
53	CaPA	Sat WMP-10	CaPA_Sat WMP-10	6	CaPA_Sat WMP-10_Q6	<p>P. 436 of PG&amp;E's WMP states, "By the end of 2022, we reduced the Customer Average Interruption Duration Index (CAIDI) and Customer Experience (CX) for customers served by EPSS-capable lines."</p> <p>a) Please provide the CAIDI value for all HTFD customers for each year from 2019-2022.</p> <p>b) Please provide the CX score for all HTFD customers for each year from 2019-2022.</p>	Holly Wetman	442023	4102023	4102023	1	NA	8.1.8.1	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. 435 of PG&amp;E's WMP states, "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."</p> <p>a) Please provide the CAIDI value for all HTFD customers for each year from 2019-2022.</p> <p>b) Please provide the CX score for all HTFD customers for each year from 2019-2022.</p>	Holly Wetman	442023	4102023	4102023	0	NA	8.1.8.1	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. 434 of PG&amp;E's WMP states, "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."</p> <p>a) Average response time</p> <p>b) 25th percentile response time</p> <p>c) Median (50th percentile) response time</p> <p>d) 75th percentile response time</p> <p>e) Longest response time</p>	Holly Wetman	442023	4102023	4102023	0	NA	8.1.8.1	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. 433 of PG&amp;E's WMP states, "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."</p> <p>a) Please provide the CAIDI value for all HTFD customers for each year from 2019-2022.</p> <p>b) Please provide the CX score for all HTFD customers for each year from 2019-2022.</p>	Holly Wetman	442023	4102023	4102023	0	NA	8.1.8.1	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. 432 of PG&amp;E's WMP states, "We plan to implement a Quality Assurance program for systems inspections."</p> <p>a) Please describe the program PG&amp;E has implemented or plans to implement for systems inspections.</p> <p>b) Please describe the program PG&amp;E has implemented or plans to implement for systems inspections.</p> <p>c) Please describe the program PG&amp;E has implemented or plans to implement for systems inspections.</p> <p>d) Please describe the program PG&amp;E has implemented or plans to implement for systems inspections.</p>	Holly Wetman	442023	4102023	4102023	0	NA	8.1.6.1	Quality Assurance and Quality Control	Quality Assurance
58	CaPA	Sat WMP-10	CaPA_Sat WMP-10	11	CaPA_Sat WMP-10_Q11	<p>P. 431 of PG&amp;E's WMP states, "We plan to implement a Quality Assurance program for systems inspections."</p> <p>a) Please describe the program PG&amp;E has implemented or plans to implement for systems inspections.</p> <p>b) Please describe the program PG&amp;E has implemented or plans to implement for systems inspections.</p> <p>c) Please describe the program PG&amp;E has implemented or plans to implement for systems inspections.</p> <p>d) Please describe the program PG&amp;E has implemented or plans to implement for systems inspections.</p>	Holly Wetman	442023	4102023	4102023	0	NA	8.1.6.1	Quality Assurance and Quality Control	Quality Assurance
59	CaPA	Sat WMP-10	CaPA_Sat WMP-10	12	CaPA_Sat WMP-10_Q12	<p>P. 430 of PG&amp;E's WMP states, "Along with reducing wildfire risk related to building ignition risk tags in HTFD/FRPA, we are also reducing wildfire risk related to building ignition risk tags in HTFD/FRPA."</p> <p>a) Please describe the program PG&amp;E has implemented or plans to implement for building ignition risk tags in HTFD/FRPA.</p> <p>b) Please describe the program PG&amp;E has implemented or plans to implement for building ignition risk tags in HTFD/FRPA.</p> <p>c) Please describe the program PG&amp;E has implemented or plans to implement for building ignition risk tags in HTFD/FRPA.</p> <p>d) Please describe the program PG&amp;E has implemented or plans to implement for building ignition risk tags in HTFD/FRPA.</p>	Holly Wetman	442023	4102023	4102023	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&amp;E-8.1.7.1-1, p. 43 of PG&amp;E's WMP states, "Field Safety Reassessment (FSR) performed annually to determine if a tag is still needed for a tag."</p> <p>a) Please describe the program PG&amp;E has implemented or plans to implement for FSR.</p> <p>b) Please describe the program PG&amp;E has implemented or plans to implement for FSR.</p> <p>c) Please describe the program PG&amp;E has implemented or plans to implement for FSR.</p> <p>d) Please describe the program PG&amp;E has implemented or plans to implement for FSR.</p>	Holly Wetman	442023	4102023	4102023	0	NA	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags



71	OEIS	001	OEIS_001	391	OEIS_001_0391	<p>Regarding PG&amp;E's Focused Tree Inspections Pilot</p> <p>a. Describe the current state of development for the pilot area, PG&amp;E's Areas of Concern (AOC), and "hotspots" where focused vegetation inspection can be evaluated to determine appropriate courses to prioritize priority/ (page 529) and the expected timeline for implementation.</p> <p>b. Outline the criteria PG&amp;E has and is using to develop the pilot area, PG&amp;E's Areas of Concern (AOC), and "hotspots" where focused vegetation inspection can be evaluated to determine appropriate courses to prioritize priority/ (page 529).</p> <p>c. What standards, processes, procedures, and tools are vegetation management personnel using/will use to perform tree risk assessments for the pilot?</p> <p>d. Will PG&amp;E be using a One VM Tool for reworking for this pilot? If not, what system will PG&amp;E use for reworking for the pilot?</p> <p>e. When will PG&amp;E conduct its Focused Tree Inspections pilot? If PG&amp;E has not yet begun pilot, when will PG&amp;E be conducting its Focused Tree Inspections pilot?</p> <p>f. How many circuit miles are in scope for the pilot?</p> <p>g. How many circuit miles are in scope for Enhanced Vegetation Management (EVM)?</p> <p>h. For each Circuit Protection Zone (CPZ) in the pilot area provide the:</p> <p>CPZ name</p> <p>The Weighted Risk Score from PG&amp;E's most recent version of its EVM Tree-Weighted Prioritization List</p> <p>i. The Weighted Risk Score from PG&amp;E's most recent version of its EVM Tree-Weighted Prioritization List</p> <p>ii. Risk Tolerance</p> <p>iii. Does PG&amp;E have a plan to continue its Focused Tree Inspections assuming the pilot is successful? If so, detail these plans, including how many circuit miles PG&amp;E plans to inspect under this program in 2023 and 2024.</p> <p>iv. Provide a GIS layer of the pilot area, PG&amp;E's Areas of Concern (AOC), and "hotspots" where focused vegetation inspection can be evaluated to determine appropriate courses to prioritize priority/ (page 529). As applicable, provide the following attributes for each polygon:</p> <p>1. Number of overhead circuit miles within the polygon</p> <p>2. Circuit Risk</p> <p>3. Overhead Utility Risk</p> <p>4. Ignition Risk</p> <p>5. PSPS Risk</p> <p>6. Corset from Vegetation Likelihood of Ignition</p>	<p>1) 2023 development of Areas of Concern (AOC) used WORM-02 to prioritize CPZs to inform the pilot areas selected in PG&amp;E's Focused Tree Inspections pilot.</p> <p>2) AOC selected pilot areas are in CPZ 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.</p> <p>3) The Weighted Risk Score and the Weighted Risk Score and the Weighted Risk Score are provided in the table below.</p>	Colin Long	4/5/2023	4/19/2023	4/19/2023	0	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
71	OEIS	001	OEIS_001	392	OEIS_001_0392	<p>Regarding PG&amp;E's Focused Tree Inspections Pilot</p> <p>a. Describe the current state of development for the pilot area, PG&amp;E's Areas of Concern (AOC), and "hotspots" where focused vegetation inspection can be evaluated to determine appropriate courses to prioritize priority/ (page 529) and the expected timeline for implementation.</p> <p>b. Outline the criteria PG&amp;E has and is using to develop the pilot area, PG&amp;E's Areas of Concern (AOC), and "hotspots" where focused vegetation inspection can be evaluated to determine appropriate courses to prioritize priority/ (page 529).</p> <p>c. What standards, processes, procedures, and tools are vegetation management personnel using/will use to perform tree risk assessments for the pilot?</p> <p>d. Will PG&amp;E be using a One VM Tool for reworking for this pilot? If not, what system will PG&amp;E use for reworking for the pilot?</p> <p>e. When will PG&amp;E conduct its Focused Tree Inspections pilot? If PG&amp;E has not yet begun pilot, when will PG&amp;E be conducting its Focused Tree Inspections pilot?</p> <p>f. How many circuit miles are in scope for the pilot?</p> <p>g. How many circuit miles are in scope for Enhanced Vegetation Management (EVM)?</p> <p>h. For each Circuit Protection Zone (CPZ) in the pilot area provide the:</p> <p>CPZ name</p> <p>The Weighted Risk Score from PG&amp;E's most recent version of its EVM Tree-Weighted Prioritization List</p> <p>i. The Weighted Risk Score from PG&amp;E's most recent version of its EVM Tree-Weighted Prioritization List</p> <p>ii. Risk Tolerance</p> <p>iii. Does PG&amp;E have a plan to continue its Focused Tree Inspections assuming the pilot is successful? If so, detail these plans, including how many circuit miles PG&amp;E plans to inspect under this program in 2023 and 2024.</p> <p>iv. Provide a GIS layer of the pilot area, PG&amp;E's Areas of Concern (AOC), and "hotspots" where focused vegetation inspection can be evaluated to determine appropriate courses to prioritize priority/ (page 529). As applicable, provide the following attributes for each polygon:</p> <p>1. Number of overhead circuit miles within the polygon</p> <p>2. Circuit Risk</p> <p>3. Overhead Utility Risk</p> <p>4. Ignition Risk</p> <p>5. PSPS Risk</p> <p>6. Corset from Vegetation Likelihood of Ignition</p>	<p>1) GIS layer for each polygon with the additional attributes have been provided.</p> <p>2) PG&amp;E will use WORM-02/03, DR_OEIS_001-Q008A040NF.pdf and WORM-02/03, DR_OEIS_001-Q008A040NF.pdf for the pilot area.</p> <p>3) The Weighted Risk Score and the Weighted Risk Score are provided in the table below.</p>	Colin Long	4/5/2023	4/27/2023	4/27/2023	2	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
72	OEIS	001	OEIS_001	4	OEIS_001_04	<p>Regarding PG&amp;E's Tree Removal Inventory Of page 528, PG&amp;E states that it will "remove, or re-impact trees identified in the EVM program."</p> <p>a. Has this PG&amp;E decision whether a tree should be 1) simply added based on the existing risk assessment or 2) re-assessed/removed prior to abatement?</p> <p>b. What standards, processes, procedures, and tools are vegetation management personnel using/will use to perform tree risk assessments for this program?</p>	<p>1) Trees in the inventory with a TAT result of "Abate" will be added based on the existing risk assessment.</p> <p>2) All trees in the inventory with either a TAT result of "Abate" or a TAT result other than "Abate" will be reassessed by a Tree Risk Assessment Qualification (TRAQ) inspector to determine if abatement is appropriate. The inspection will determine abatement based on tree condition and the tree's risk.</p> <p>3) The approach to tree inspections intends to follow the American National Standards Institute (ANSI) A-300 tree risk assessment standard per field conditions and individual tree mitigation needs. Inspections to assess trees will be required to pass a Tree Risk Assessment Qualification (TRAQ) through the International Society of Arboriculture (ISA), which is the same organization that certifies arborists. The results of the TRAQ assessment will be documented in the <a href="https://www.traq.com/">TRAQ Data Report for the tree</a>.</p>	Colin Long	4/5/2023	4/19/2023	4/19/2023	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
73	OEIS	001	OEIS_001	5	OEIS_001_05	<p>Regarding Wood Management On page 536, PG&amp;E says that the wood management program addresses large wood generated by PG&amp;E's VM activities including road, line, and other wood generated by the EVM program.</p> <p>a. Considering the EVM program has been discontinued, does the wood management program:</p> <p>1. Address large wood generated from the EVM program that has not already addressed?</p> <p>2. Address large wood generated from PG&amp;E's Tree Removal Inventory program, a subset of the EVM program?</p> <p>3. Address large wood generated from PG&amp;E's Focused Tree Inspections?</p> <p>4. When debris and/or large wood generated from PG&amp;E's VM activities are left on site, what standards, protocols, processes, and procedures does PG&amp;E use to ensure the debris and large wood are placed in a manner that does not:</p> <p>1. Block or hinder ingress or egress.</p> <p>2. Injure or harm PCT, 420, or otherwise pose clearance.</p> <p>3. Injure, incapacitate, and disfigure.</p> <p>4. Conflict with property owner's interests.</p> <p>5. Otherwise create a hazard.</p>	<p>1) Yes, we will update commitments to manage wood generated by Enhanced Vegetation Management (EVM) tree work for the program that requested this service.</p> <p>2) We will continue to fulfill wood management commitments that have been made to customers.</p> <p>3) PG&amp;E will continue to manage wood generated by EVM activities and EVM program. For all programs, wood greater than four inches in diameter will be left in a safe position on site as it is legally the property of the landowner. As safety a PG&amp;E's wood removal crew will, if wood poses a safety risk to environmental, cultural or access concerns, crew will address the wood accordingly in coordination with tree work.</p> <p>4) PG&amp;E uses WORM-02/03, DR_OEIS_001-Q008A040NF.pdf for PG&amp;E's Wood Management program.</p> <p>5) Our crews are directed to ensure removal is clear of fire debris or wood in the time of fire. Wood poses an additional safety risk to customers, they can react to our wood removal crews for support and reaction.</p> <p>6) Our Vegetation Management program is designed to ensure public safety and regulatory compliance. Customers have a safety risk from wood that is left on site, they can react to our wood removal crews for support and reaction.</p> <p>7) If wood poses an environmental concern, crews will address the wood in accordance with PG&amp;E Best Management Practices implemented at the time of tree work.</p> <p>8) As each property is different, we collaborate with the customer to find an optimal solution for the completion of our work on that property.</p> <p>9) At the time of all tree work, crews will either chip and spread, top and axcelator or remove wood debris that is smaller than four inches in diameter.</p> <p>10) Additionally, alignment with PG&amp;E's intent that everyone and everything is always safe, crews will address any large wood that poses a potential hazard based on the time of tree work.</p>	Colin Long	4/5/2023	4/19/2023	4/19/2023	1	NA	8.2.3.2	Vegetation Management and Inspections	Wood and Stump Management
74	OEIS	001	OEIS_001	6	OEIS_001_06	<p>Regarding Enhanced Clearances On page 537, PG&amp;E says it "complies with Appendix E of GD 95," then goes on to describe the recommended minimum clearance for 12" trees as recommended in Appendix E of GD 95.</p> <p>a. In the PFID, does PG&amp;E implement the recommended clearances "where practicable"?</p> <p>b. How does PG&amp;E describe the PG&amp;E's recommended "where practicable" clearances, clarify how PG&amp;E implements the recommended clearances in its program?</p>	<p>1) The minimum clearance at the time of work on Enhanced Vegetation Management is 12 feet as recommended in Appendix E of GD 95. Routine maintenance of previously cleared EVM trees is 12 feet. Routine maintenance of all other trees is implemented 2-3 years of clearance.</p> <p>2) Routine maintenance allows an inspector to provide 2-3 years of clearance which allows the Inspector to account for tree species, location, and other conditions that affect growth.</p>	Colin Long	4/5/2023	4/19/2023	4/19/2023	0	NA	8.2.3.3	Vegetation Management and Inspections	Clearance
75	OEIS	001	OEIS_001	7	OEIS_001_07	<p>Regarding Fire Risk Assessment On page 538, PG&amp;E says it "complies with Appendix E of GD 95," then goes on to describe the recommended minimum clearance for 12" trees as recommended in Appendix E of GD 95.</p> <p>a. In the PFID, does PG&amp;E implement the recommended clearances "where practicable"?</p> <p>b. How does PG&amp;E describe the PG&amp;E's recommended "where practicable" clearances, clarify how PG&amp;E implements the recommended clearances in its program?</p>	<p>1) The requested information is provided in the following four documents:</p> <ul style="list-style-type: none"> <li>WORM-02/03, DR_OEIS_001-Q008A040NF.pdf</li> <li>WORM-02/03, DR_OEIS_001-Q008A040NF.pdf</li> <li>WORM-02/03, DR_OEIS_001-Q008A040NF.pdf</li> <li>WORM-02/03, DR_OEIS_001-Q008A040NF.pdf</li> </ul>	Colin Long	4/5/2023	4/19/2023	4/19/2023	4	NA	Appendix B	Supporting Documentation for Risk Methodology and Assessment Database	Detailed Model Documentation
76	OEIS	001	OEIS_001	8	OEIS_001_08	<p>Regarding Fire Risk Assessment On page 538, PG&amp;E says it "complies with Appendix E of GD 95," then goes on to describe the recommended minimum clearance for 12" trees as recommended in Appendix E of GD 95.</p> <p>a. In the PFID, does PG&amp;E implement the recommended clearances "where practicable"?</p> <p>b. How does PG&amp;E describe the PG&amp;E's recommended "where practicable" clearances, clarify how PG&amp;E implements the recommended clearances in its program?</p>	<p>1) PG&amp;E has provided two system diagrams within WORM-02/03, DR_OEIS_001-Q008A040NF.pdf in response to this data request - one for operational modes (table 01) and one for planning modes (table 02). Each diagram depicts the interaction among different model each inputs and outputs. The diagrams also show the decision points, process flow, feedback loops where adjustments to the models are required.</p> <p>2) Please see table 01 of WORM-02/03, DR_OEIS_001-Q008A040NF.pdf and table 02 of WORM-02/03, DR_OEIS_001-Q008A040NF.pdf. The diagrams depict PG&amp;E's comprehensive decision-making framework, from identifying tree status to developing mitigation strategies to address risk, adjusting program scope and developing monitoring, balancing the mitigation portfolio, and decaying the tree.</p>	Colin Long	4/5/2023	4/24/2023	4/24/2023	1	NA	6.1.2	Risk Methodology and Assessment	Summary of Risk Models
77	OEIS	001	OEIS_001	9	OEIS_001_09	<p>Regarding Portfolio-Level Risk Analysis and Risk Spread Efficiency</p> <p>a. Provide an example of how risk is aggregated to a portfolio, and if and how interdependencies between the risks are explicitly captured in the portfolio. Response should be provided in Excel. Also include the level of aggregation for the portfolio risk, asset, subportfolio or business unit.</p> <p>b. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>c. Are probability distributions and interdependencies used as inputs to outputs for the portfolio used in PG&amp;E's WORM-02/03, DR_OEIS_001-Q008A040NF.pdf? If so, provide an example.</p> <p>d. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>e. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>f. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>g. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>h. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>i. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>j. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>k. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>l. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>m. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>n. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>o. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>p. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>q. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>r. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>s. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>t. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>u. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>v. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>w. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>x. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>y. How are risk models calculated on a portfolio of risks? If so, provide an example.</p> <p>z. How are risk models calculated on a portfolio of risks? If so, provide an example.</p>	<p>1) Based on the wildfire Distribution Risk Model, which is based on circuit segments, circuit segments are aggregated to the enterprise wildfire risk model to calculate mitigation program benefits at the portfolio level. The benefits, in this case, are broken down by quartile of likelihood of risk event (LRF) and consequences of risk event (CARE). Please see WORM-02/03, DR_OEIS_001-Q008A040NF.pdf, which is PG&amp;E's 2023-2024 wildfire model used for the GRC where we aggregated our distribution risk model to the LRF and CARE metrics to calculate risk at a portfolio level. This level of aggregation is based on the risk at the circuit protection zone level.</p> <p>2) All risk are captured as part of the enterprise risk assessment process and represented as probabilistic distributions.</p> <p>3) The risk are captured as part of the enterprise risk assessment process and represented as probabilistic distributions.</p> <p>4) The risk are captured as part of the enterprise risk assessment process and represented as probabilistic distributions.</p> <p>5) The risk are captured as part of the enterprise risk assessment process and represented as probabilistic distributions.</p> <p>6) The risk are captured as part of the enterprise risk assessment process and represented as probabilistic distributions.</p> <p>7) The risk are captured as part of the enterprise risk assessment process and represented as probabilistic distributions.</p> <p>8) The risk are captured as part of the enterprise risk assessment process and represented as probabilistic distributions.</p> <p>9) The risk are captured as part of the enterprise risk assessment process and represented as probabilistic distributions.</p> <p>10) The risk are captured as part of the enterprise risk assessment process and represented as probabilistic distributions.</p> <p>11) The risk are captured as part of the enterprise risk assessment process and represented as probabilistic distributions.</p> <p>12) The risk are captured as part of the enterprise risk assessment process and represented as probabilistic distributions.</p> <p>13) The risk are captured as part of the enterprise risk assessment process and represented as probabilistic distributions.</p> <p>14) The risk are captured as part of the enterprise risk assessment process and represented as probabilistic distributions.</p> <p>15) The risk are captured as part of the enterprise risk assessment process and represented as probabilistic distributions.</p> <p>16) The risk are captured as part of the enterprise risk assessment process and 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enterprise risk assessment process and represented as probabilistic distributions.</p>	Colin Long	4/5/2023	4/19/2023	4/19/2023	2	NA	7.1.4.1	Wildfire Mitigation Strategy Development	Identifying and Evaluating Mitigation Interventions







99	CAIPA	Sat WMP-11	CAIPA_Sat WMP-11	16	CAIPA_Sat WMP-11_016	<p>Please provide all available documentation, studies, and analyses endorsing PG&amp;E's conclusions on each of the following aspects of REFL deployment:</p> <ol style="list-style-type: none"> <li>The cost estimates for such changes.</li> <li>The cost estimates for such changes.</li> <li>The likely operational impacts resulting from the implementation of REFL on PG&amp;E's system.</li> </ol> <p>Please provide data to PG&amp;E possession that includes the following:</p> <ol style="list-style-type: none"> <li>The SAIDI (System Average Interruption Duration Index) for the years 2018-2022 for underground distribution facilities.</li> <li>The MAIFI (Memory Average Interruption Frequency Index) for the years 2018-2022 for overhead distribution facilities.</li> <li>The SAIDI (System Average Interruption Duration Index) for the years 2018-2022 for overhead distribution facilities with covered conductor.</li> <li>The MAIFI (Memory Average Interruption Frequency Index) for the years 2018-2022 for overhead distribution facilities with covered conductor.</li> <li>The SAIDI (System Average Interruption Duration Index) for the years 2018-2022 for overhead distribution facilities without covered conductor.</li> <li>The MAIFI (Memory Average Interruption Frequency Index) for the years 2018-2022 for overhead distribution facilities without covered conductor.</li> </ol>	<p>PG&amp;E publishes an annual reliability report which provides a detailed report on the system-wide reliability performance. Please see the following document for the requested information:</p> <ul style="list-style-type: none"> <li>"WMP-Challenge2022_DR_TURN_003-002024041.pdf"</li> <li>"WMP-Challenge2022_DR_TURN_003-002024042.pdf"</li> <li>"WMP-Challenge2022_DR_TURN_003-002024043.pdf"</li> <li>"WMP-Challenge2022_DR_TURN_003-002024044.pdf"</li> <li>"WMP-Challenge2022_DR_TURN_003-002024045.pdf"</li> </ul>	PaYuLi	45/2023	41/2023	41/2023	<a href="https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT">https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT</a>	0	NA	NA	8.1.8.1.3.1	Grid Operations and Procedures	Repeat Each Fac. Current Limit
100	TURN	003	TURN_003	1	TURN_003_01	<p>Please provide all reports or studies in PG&amp;E's possession prepared from January 1, 2018 to the present that discuss the reliability of underground distribution facilities, overhead distribution facilities with covered conductor, overhead distribution facilities without covered conductor, including but not limited to a discussion of SAIDI and MAIFI.</p>	<p>Please see the attachment "WMP-Challenge2022_DR_TURN_003-001-0001-0001.pdf" for the requested information. Please note that PG&amp;E does not capture covermeter covered conductor data in our current outage reporting, so SAIDI/MAIFI data is reported by area rather than the focus of our overhead system hardware and underground protection to data has been primarily to drive utility reduction.</p>	Tom Long	45/2023	41/2023	41/2023	<a href="https://www.pge.com/energy_justice/turn/turn_003_001_0001_0001.pdf">https://www.pge.com/energy_justice/turn/turn_003_001_0001_0001.pdf</a>	1	NA	NA	NA	NA	NA
101	TURN	003	TURN_003	2	TURN_003_02	<p>Please provide all reports or studies in PG&amp;E's possession prepared from January 1, 2018 to the present that discuss the reliability of underground distribution facilities, overhead distribution facilities with covered conductor, overhead distribution facilities without covered conductor, including but not limited to a discussion of SAIDI and MAIFI.</p>	<p>PG&amp;E publishes an annual reliability report which provides a detailed report on the system-wide reliability performance. Please see the following document for the requested information:</p> <ul style="list-style-type: none"> <li>"WMP-Challenge2022_DR_TURN_003-002024041.pdf"</li> <li>"WMP-Challenge2022_DR_TURN_003-002024042.pdf"</li> <li>"WMP-Challenge2022_DR_TURN_003-002024043.pdf"</li> <li>"WMP-Challenge2022_DR_TURN_003-002024044.pdf"</li> <li>"WMP-Challenge2022_DR_TURN_003-002024045.pdf"</li> </ul>	Tom Long	45/2023	41/2023	41/2023	<a href="https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT">https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT</a>	5	NA	NA	NA	NA	NA
102	TURN	003	TURN_003	3	TURN_003_03	<p>Requesting Table 3-3.3, p. 268, the bottom row on PG&amp;P. Please confirm that the targets for reduced customer impacts in 2023, 2024 and 2025 are cumulative, i.e., that the 2025 figure for 2024 includes the 2024 reduced impacts for 2023, and so on.</p> <p>Please provide the supporting data for the estimates of reduced PPSIS impacts in 2023 (158,000 customer events), 2024 (130,000 customer events), and 2025 (100,000 customer events). Please state in Excel format if possible.</p> <p>The table states that the targeted reductions are "based on WMP08 mitigation projects including but not limited to MSO replacements and Underground cables." For each of 2023, 2024, and 2025, please provide a breakdown of the mitigation measures expected to be implemented to reduce the reduced customer impacts (e.g., PPSIS) not limited to covered conductor mitigation. Explain how PG&amp;E determined this breakdown.</p> <p>Please provide a breakdown of the reduced customer impacts for each year 2018 through 2022 and provide the supporting data for those figures in Excel format if possible. In addition, for each of these years, please provide a breakdown of the reduced customer impacts by the mitigation measure to which PG&amp;E attributes the reduced customer events, including but not limited to covered conductor mitigation. Explain how PG&amp;E determined this breakdown.</p>	<p>All We confirm that the targets for reduced customer impacts are cumulative for relative to PG&amp;P in Table 3-3.3. Please see Table PG&amp;E-2024-002023 WMP-010 for the breakdown of documented customer events for each respective year.</p> <p>Please see attachments WMP-Challenge2022_DR_TURN_003-003-0001-0001 for supporting data for the estimates of reduced PPSIS impacts in 2023-2025 for the five-year period, 2018-2022.</p> <p>For breakdown of reduced customer events by mitigation measure, please see Table PG&amp;E-2025-010-01 of our 2025 WMP. For breakdown of reduced customer events by mitigation measure, please see Table PG&amp;E-2025-010-01 of our 2025 WMP. For breakdown of reduced customer events by mitigation measure, please see Table PG&amp;E-2025-010-01 of our 2025 WMP. For breakdown of reduced customer events by mitigation measure, please see Table PG&amp;E-2025-010-01 of our 2025 WMP.</p> <p>For breakdown of reduced customer events by mitigation measure, please see Table PG&amp;E-2025-010-01 of our 2025 WMP. For breakdown of reduced customer events by mitigation measure, please see Table PG&amp;E-2025-010-01 of our 2025 WMP.</p> <p>For breakdown of reduced customer events by mitigation measure, please see Table PG&amp;E-2025-010-01 of our 2025 WMP. For breakdown of reduced customer events by mitigation measure, please see Table PG&amp;E-2025-010-01 of our 2025 WMP.</p>	Tom Long	45/2023	41/2023	41/2023	<a href="https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT">https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT</a>	1	NA	5.1.5	Public Safety Power Shutoff	Performance Metrics Identified by the Electrical Cooperation	
103	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12	1	CAIPA_Sat WMP-12_01	<p>Requesting Table 2-2 (List of Frequently De-energized Circuits) in Appendix F of PG&amp;E's WMP. Please describe the significant changes to the grid required to implement REFL technology.</p> <p>State PG&amp;E's cost estimates for such changes.</p> <p>Describe the equipment modifications required for such changes.</p> <p>For each item in part (b) where PG&amp;E does not plan to take any measures to reduce the need for an impact of future PPSIS on that circuit, please state the basis for the decision.</p>	<p>All We documented an error in our 2023 WMP submission in the "Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PPSIS of Circuit" of the Frequently De-energized Circuits list. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues.</p> <p>Please note, we expect to have the table updated by April 18, 2023.</p> <p>(I) See response (a).</p> <p>(II) See response (a).</p>	Holly Wetman	45/2023	41/2023	41/2023	<a href="https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT">https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT</a>	0	NA	5.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits	
103	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12_01a	10a	CAIPA_Sat WMP-12_01a	<p>Requesting Table 2-2 (List of Frequently De-energized Circuits) in Appendix F of PG&amp;E's WMP. Please describe the significant changes to the grid required to implement REFL technology.</p> <p>State PG&amp;E's cost estimates for such changes.</p> <p>Describe the equipment modifications required for such changes.</p> <p>For each item in part (b) where PG&amp;E does not plan to take any measures to reduce the need for an impact of future PPSIS on that circuit, please state the basis for the decision.</p>	<p>All We documented an error in our 2023 WMP submission in the "Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PPSIS of Circuit" of the Frequently De-energized Circuits list. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues.</p> <p>Please note, we expect to have the table updated by April 18, 2023.</p> <p>(I) See response (a).</p> <p>(II) See response (a).</p>	Holly Wetman	45/2023	41/2023	41/2023	<a href="https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT">https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT</a>	1	NA	5.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits	
104	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12	2	CAIPA_Sat WMP-12_02	<p>Requesting Table 2-2 (List of Frequently De-energized Circuits) in Appendix F of PG&amp;E's WMP. Please describe the significant changes to the grid required to implement REFL technology.</p> <p>State PG&amp;E's cost estimates for such changes.</p> <p>Describe the equipment modifications required for such changes.</p> <p>For each item in part (b) where PG&amp;E does not plan to take any measures to reduce the need for an impact of future PPSIS on that circuit, please state the basis for the decision.</p>	<p>All We documented an error in our 2023 WMP submission in the "Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PPSIS of Circuit" of the Frequently De-energized Circuits list. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues.</p> <p>Please note, we expect to have the table updated by April 18, 2023.</p> <p>(I) See response (a).</p> <p>(II) See response (a).</p>	Holly Wetman	45/2023	41/2023	41/2023	<a href="https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT">https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT</a>	0	NA	5.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits	
104	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12_02a	2a	CAIPA_Sat WMP-12_02a	<p>Requesting Table 2-2 (List of Frequently De-energized Circuits) in Appendix F of PG&amp;E's WMP. Please describe the significant changes to the grid required to implement REFL technology.</p> <p>State PG&amp;E's cost estimates for such changes.</p> <p>Describe the equipment modifications required for such changes.</p> <p>For each item in part (b) where PG&amp;E does not plan to take any measures to reduce the need for an impact of future PPSIS on that circuit, please state the basis for the decision.</p>	<p>All We documented an error in our 2023 WMP submission in the "Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PPSIS of Circuit" of the Frequently De-energized Circuits list. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues.</p> <p>Please note, we expect to have the table updated by April 18, 2023.</p> <p>(I) See response (a).</p> <p>(II) See response (a).</p>	Holly Wetman	45/2023	41/2023	41/2023	<a href="https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT">https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT</a>	0	NA	5.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits	
105	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12_03	3	CAIPA_Sat WMP-12_03	<p>Requesting Table 2-2 (List of Frequently De-energized Circuits) in Appendix F of PG&amp;E's WMP. Please describe the significant changes to the grid required to implement REFL technology.</p> <p>State PG&amp;E's cost estimates for such changes.</p> <p>Describe the equipment modifications required for such changes.</p> <p>For each item in part (b) where PG&amp;E does not plan to take any measures to reduce the need for an impact of future PPSIS on that circuit, please state the basis for the decision.</p>	<p>All We documented an error in our 2023 WMP submission in the "Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PPSIS of Circuit" of the Frequently De-energized Circuits list. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues.</p> <p>Please note, we expect to have the table updated by April 18, 2023.</p> <p>(I) See response (a).</p> <p>(II) See response (a).</p>	Holly Wetman	45/2023	41/2023	41/2023	<a href="https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT">https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT</a>	0	NA	5.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits	
106	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12_04	4	CAIPA_Sat WMP-12_04	<p>Requesting Table 2-2 (List of Frequently De-energized Circuits) in Appendix F of PG&amp;E's WMP. Please describe the significant changes to the grid required to implement REFL technology.</p> <p>State PG&amp;E's cost estimates for such changes.</p> <p>Describe the equipment modifications required for such changes.</p> <p>For each item in part (b) where PG&amp;E does not plan to take any measures to reduce the need for an impact of future PPSIS on that circuit, please state the basis for the decision.</p>	<p>All We documented an error in our 2023 WMP submission in the "Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PPSIS of Circuit" of the Frequently De-energized Circuits list. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues.</p> <p>Please note, we expect to have the table updated by April 18, 2023.</p> <p>(I) See response (a).</p> <p>(II) See response (a).</p>	Holly Wetman	45/2023	41/2023	41/2023	<a href="https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT">https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT</a>	0	NA	5.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits	
108	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12_04a	4a	CAIPA_Sat WMP-12_04a	<p>Requesting Table 2-2 (List of Frequently De-energized Circuits) in Appendix F of PG&amp;E's WMP. Please describe the significant changes to the grid required to implement REFL technology.</p> <p>State PG&amp;E's cost estimates for such changes.</p> <p>Describe the equipment modifications required for such changes.</p> <p>For each item in part (b) where PG&amp;E does not plan to take any measures to reduce the need for an impact of future PPSIS on that circuit, please state the basis for the decision.</p>	<p>All We documented an error in our 2023 WMP submission in the "Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PPSIS of Circuit" of the Frequently De-energized Circuits list. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues.</p> <p>Please note, we expect to have the table updated by April 18, 2023.</p> <p>(I) See response (a).</p> <p>(II) See response (a).</p>	Holly Wetman	45/2023	41/2023	41/2023	<a href="https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT">https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT</a>	0	NA	5.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits	
107	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12_05	5	CAIPA_Sat WMP-12_05	<p>Requesting Table 2-2 (List of Frequently De-energized Circuits) in Appendix F of PG&amp;E's WMP. Please describe the significant changes to the grid required to implement REFL technology.</p> <p>State PG&amp;E's cost estimates for such changes.</p> <p>Describe the equipment modifications required for such changes.</p> <p>For each item in part (b) where PG&amp;E does not plan to take any measures to reduce the need for an impact of future PPSIS on that circuit, please state the basis for the decision.</p>	<p>All We documented an error in our 2023 WMP submission in the "Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PPSIS of Circuit" of the Frequently De-energized Circuits list. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidance. We will provide an explanation of any remaining issues.</p> <p>Please note, we expect to have the table updated by April 18, 2023.</p> <p>(I) See response (a).</p> <p>(II) See response (a).</p>	Holly Wetman	45/2023	41/2023	41/2023	<a href="https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT">https://www.scribd.com/document/791731769/PG&amp;E-2023-RELIABILITY-REPORT</a>	0	NA	5.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits	

107	CAIPA	Set WMP-12	CAIPA_Set WMP-12- 5(a)	CAIPA_Set WMP-12_5(a)	5(a)	CAIPA_Set WMP-12_5(a)	CAIPA_Set WMP-12_5(a)	Regarding Table 9-2 (List of Frequently De-energized Circuits in Appendix F of PG&E's WMP, transmission circuit Entry Numbers 193, 195, 197, 199, 201, 202, 203, 204, 205, 206, 207, 210, 211, 211-3, 213, 217, 218, 219, 221, 223, 224, 225, 226, 231, 232, 234, 235, 238, 239. Please describe the PG&E protocols referenced in these Entry Numbers. Please explain how customers were "flagged" by PG&E protocols. If Please state how any customers benefited from mitigation by PG&E protocols in past events. d) State whether the customers referenced in part (c) benefited because they were de-energized or because they had reduced impacts from PG&E. If Please state how many customers PG&E expects to benefit in the future due to mitigation by PG&E protocols. i) State whether the customers referenced in part (i) will benefit because they will be de-energized or because they will have reduced impacts from PG&E. ii) See responses to 4e.	ii) We have updated our List of Frequently De-energized Circuits based on the errors found in our review. The entries listed below may reflect the actual circuits that are mitigated by PG&E. Please use the following link to review the List of Frequently De-energized Circuits: https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1 for the updated List of Frequently De-energized Circuits. See response to 4e.	iii) Please refer to Section 9.2 Protocols on PG&P beginning on p. 773 for Transmission. See response to 4e.	iv) Transmission customer events would have been mitigated by current PG&E protocols from 2019-2022. The critical nature of the transmission circuit de-energization events and the number of affected customers, which applies the current PG&E protocols in the weather conditions present in 2019-2022. This comparison analysis was calculated as a net value. If some circuits would have seen higher customer impacts due to PG&E protocols, the net value of customer events would have been subtracted from the reported customer count. Customer events refers to the count of customer impacts over the Five-Year Lookback. If the same customer is impacted from PG&E for these PG&E events in the Five-Year Lookback, this is reported as "three customer events mitigated" instead of "one unique customer mitigated".	Holly Watterman	4/8/2023	4/18/2023	4/18/2023	<a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a>	0	NA	8.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
108	CAIPA	Set WMP-12	CAIPA_Set WMP-12- 6	CAIPA_Set WMP-12_06	6	CAIPA_Set WMP-12_06	CAIPA_Set WMP-12_06	PG&E's WMP 7.51, Section 11.3 states that "This table [Table 9-2] also includes the mitigation measures taken or planned to be taken, to minimize the likelihood of PG&E on these circuits." Regarding Table 9-2 (List of Frequently De-energized Circuits) in Appendix F of PG&E's WMP. The only relevant table listed in Table 9-2 regarding "MSO device installation or replacement plan" (which is listed for 4 of 236 circuits). a) Please explain any of the other items of mitigation measures listed only. 7) In the answer to 7(a) in please explain for any of the remaining 228 circuits in Table 9-2.	ii) We discovered an error in our 2023 WMP submission in the "Measure Taken, or Planned to Be Taken, to Reduce the Likelihood of Future PG&E of Critical" of the Frequently De-energized Circuits. We will reach out to Energy Safety to provide the corrected information and discuss updating our WMP submission pursuant to Energy Safety. See response to 7(a) and (b).	iii) PG&E's WMP 7.51, Section 11.3 states that "This table [Table 9-2] also includes the mitigation measures taken or planned to be taken, to minimize the likelihood of PG&E on these circuits." Regarding Table 9-2 (List of Frequently De-energized Circuits) in Appendix F of PG&E's WMP. The only relevant table listed in Table 9-2 regarding "MSO device installation or replacement plan" (which is listed for 4 of 236 circuits). a) Please explain any of the other items of mitigation measures listed only. 7) In the answer to 7(a) in please explain for any of the remaining 228 circuits in Table 9-2.	iv) PG&E's WMP 7.51, Section 11.3 states that "This table [Table 9-2] also includes the mitigation measures taken or planned to be taken, to minimize the likelihood of PG&E on these circuits." Regarding Table 9-2 (List of Frequently De-energized Circuits) in Appendix F of PG&E's WMP. The only relevant table listed in Table 9-2 regarding "MSO device installation or replacement plan" (which is listed for 4 of 236 circuits). a) Please explain any of the other items of mitigation measures listed only. 7) In the answer to 7(a) in please explain for any of the remaining 228 circuits in Table 9-2.	Holly Watterman	4/8/2023	4/11/2023	4/11/2023	<a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a>	0	NA	8.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
109	CAIPA	Set WMP-12	CAIPA_Set WMP-12- 7	CAIPA_Set WMP-12_07	7	CAIPA_Set WMP-12_07	CAIPA_Set WMP-12_07	Regarding ACI PG&E-22-35 (Quarterly Mitigation Benefits of Reducing PG&E Stalls, Scope, and Frequency on WMP p. 27-27). a) Please explain why this table shows customer impacts in terms of incremental PG&E mitigation for only two mitigation methods (i.e., undergrounding and MSO), while other methods (i.e., overhead hardening, sectionalizing, etc.) are not listed in this table. b) How PG&E analyzed customer PG&E impacts to other mitigation methods (i.e. The answer to part (b)) in, please provide the results of PG&E's analysis. If The answer to part (b)) in, please explain why not.	ii) Table PG&E-22-35 shows customers mitigated and not customers impacted. In our analysis, we applied the 2022 data from the weather lookback period of 2018-2022. Other mitigation methods such as sectionalizing devices, grid hardening, and PG&E protocols are already factored into the lookback. This allows us to calculate the number of customers we are able to mitigate with the two planned mitigation (undergrounding and MSO) as expected to complete in 2023-2025.	iii) Table PG&E-22-35 shows customers mitigated and not customers impacted. In our analysis, we applied the 2022 data from the weather lookback period of 2018-2022. Other mitigation methods such as sectionalizing devices, grid hardening, and PG&E protocols are already factored into the lookback. This allows us to calculate the number of customers we are able to mitigate with the two planned mitigation (undergrounding and MSO) as expected to complete in 2023-2025.	iv) Table PG&E-22-35 shows customers mitigated and not customers impacted. In our analysis, we applied the 2022 data from the weather lookback period of 2018-2022. Other mitigation methods such as sectionalizing devices, grid hardening, and PG&E protocols are already factored into the lookback. This allows us to calculate the number of customers we are able to mitigate with the two planned mitigation (undergrounding and MSO) as expected to complete in 2023-2025.	Holly Watterman	4/8/2023	4/11/2023	4/11/2023	<a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-35 - Quarterly Mitigation Benefits of Reducing PG&E Stalls, Scope, and Frequency
110	CAIPA	Set WMP-12	CAIPA_Set WMP-12- 8	CAIPA_Set WMP-12_08	8	CAIPA_Set WMP-12_08	CAIPA_Set WMP-12_08	Regarding Section 9.2.3 (Outline of Technical and Strategic Decision-Making Process for Initiating a PG&P/PG&S (Such as Decision Tree) to a PG&E Decision to Shut Off the Power). a) Please describe the criteria used to determine whether alternatives to de-energization are infeasible. "d) Please describe the alternatives to de-energization that are considered. b) Please state the basis of PG&E's decision regarding which alternative to consider. c) Please describe how OIC determine whether such alternatives are adequate or inadequate.	ii) We consider if alternatives, such as additional vegetation management and disabling automatic reclosers, could reasonably increase the level of customer stability but leaving the need for de-energization. When these measures alone cannot reduce the risk of catastrophic impacts in areas where the PG&P scope sufficiently to protect public safety, we will proceed with PG&P.	iii) We consider if alternatives, such as additional vegetation management and disabling automatic reclosers, could reasonably increase the level of customer stability but leaving the need for de-energization. When these measures alone cannot reduce the risk of catastrophic impacts in areas where the PG&P scope sufficiently to protect public safety, we will proceed with PG&P.	iv) We consider if alternatives, such as additional vegetation management and disabling automatic reclosers, could reasonably increase the level of customer stability but leaving the need for de-energization. When these measures alone cannot reduce the risk of catastrophic impacts in areas where the PG&P scope sufficiently to protect public safety, we will proceed with PG&P.	Holly Watterman	4/8/2023	4/11/2023	4/11/2023	<a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a>	0	NA	9.2.3	Public Safety Power Shutoff	Outline of Technical and Strategic Decision Making Process for Initiating a PG&P/PG&S (Such as Decision Tree)
111	CAIPA	Set WMP-12	CAIPA_Set WMP-12- 9	CAIPA_Set WMP-12_09	9	CAIPA_Set WMP-12_09	CAIPA_Set WMP-12_09	Regarding WMP 7.83, Section 9.2.4 (Process for Mitigating the Public Safety Impacts of PG&P, Including Impacts on First Responders, Health Care Facilities, Operators of Telecommunications Infrastructure, and Water Electrical Control/Management), subsection "Third or Treatment Disruptive Phenomena". a) How PG&E will notify or prepare to respond to customers of what specific resources are available, such as a generator PG&P event? b) If the answer to part (a) is yes, how far in advance of a potential PG&P event does PG&E notify transit or emergency-response customers? c) If the answer to part (a) is yes, please provide a sample of such notification.	ii) All potential impacted customers including potential downstream customers and agencies begin receiving notifications 90 minutes to 2 hours before PG&P.	iii) All potential impacted customers including potential downstream customers and agencies begin receiving notifications 90 minutes to 2 hours before PG&P.	iv) All potential impacted customers including potential downstream customers and agencies begin receiving notifications 90 minutes to 2 hours before PG&P.	Holly Watterman	4/8/2023	4/11/2023	4/11/2023	<a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a>	1	NA	9.2.4	Public Safety Power Shutoff	Process for Mitigating the Public Safety Impacts of PG&P, Including Impacts on First Responders, Health Care Facilities, Operators of Telecommunications Infrastructure, and Water Electrical Control/Management
112	CAIPA	Set WMP-12	CAIPA_Set WMP-12- 10	CAIPA_Set WMP-12_10	10	CAIPA_Set WMP-12_10	CAIPA_Set WMP-12_10	Regarding PG&P and its relationship with EPSS settings. a) Please describe the decision-making process for a situation in which PG&E anticipates PG&P conditions but decides to utilize EPSS settings instead. b) Please describe any of the PG&E anticipated PG&P conditions but did not utilize EPSS settings instead. If this occurred. c) Please describe a scenario of the decision-making process for any conditions listed in part (b) above. d) Please describe how PG&E utilizes EPSS during PG&P event period.	ii) We have never used EPSS in a PG&P event. See response to 4e.	iii) We have never used EPSS in a PG&P event. See response to 4e.	iv) We have never used EPSS in a PG&P event. See response to 4e.	Holly Watterman	4/8/2023	4/11/2023	4/11/2023	<a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a>	0	NA	NA	Public Safety Power Shutoff & Grid Operations and Procedures	NA
113	CAIPA	Set WMP-12	CAIPA_Set WMP-12- 11	CAIPA_Set WMP-12_11	11	CAIPA_Set WMP-12_11	CAIPA_Set WMP-12_11	Regarding communications to customers for EPSS. a) Does PG&E provide notifications or other communication to customers when EPSS settings are enabled? (This may include, but not be limited to, notifications that customers are served by a circuit that is subject to EPSS settings notifications that an unplanned outage may occur, notification of expected restoration times when an EPSS outage has occurred, or clear notifications when EPSS settings are applied to a customer's equipment.) b) If the answer to part (a) is yes, please describe the process for notifying customers of an EPSS outage. c) Please describe any of the ways in which PG&E communicates with customers about EPSS settings. d) In what point (i.e., number of months/year) after the beginning of an EPSS outage does PG&E notify customers? e) In what point (i.e., number of months/year) after the line is restored, after an outage triggered by EPSS settings does PG&E notify customers?	ii) PG&E provides notifications to customers when EPSS settings are enabled. We use a variety of methods to communicate with customers about EPSS settings, including text messages, voice calls, and emails. We also provide information about EPSS settings on our website and in our newsletters. See response to 4e.	iii) PG&E provides notifications to customers when EPSS settings are enabled. We use a variety of methods to communicate with customers about EPSS settings, including text messages, voice calls, and emails. We also provide information about EPSS settings on our website and in our newsletters. See response to 4e.	iv) PG&E provides notifications to customers when EPSS settings are enabled. We use a variety of methods to communicate with customers about EPSS settings, including text messages, voice calls, and emails. We also provide information about EPSS settings on our website and in our newsletters. See response to 4e.	Holly Watterman	4/8/2023	4/11/2023	4/11/2023	<a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a>	1	NA	8.1.8, 8.1.1	Grid Operations and Procedures	Protective Equipment and Device Setting
114	CAIPA	Set WMP-13	CAIPA_Set WMP-13- 1	CAIPA_Set WMP-13_01	1	CAIPA_Set WMP-13_01	CAIPA_Set WMP-13_01	Figure PG&E-7 1.4.2 on p. 259 of PG&E's WMP: How Down Conductor Detection (DCD) is to be implemented on a wire distribution. a) Please describe the primary implementation DCD on a wire distribution. b) Similar distribution, or a user? c) Please state the number of overhead circuit miles of wire distribution in PG&E's FPD. d) Please state the number of overhead circuit miles of wire distribution in PG&E's FPD.	ii) At this time we plan to implement Down Conductor Detection (DCD) on 36 wire distribution (or an overhead circuit) miles of wire distribution in PG&E's FPD. We will continue to explore the possibility of expanding DCD to 100 miles of wire distribution in the future. Figure 1.4.2 incorrectly identified DCD applicable to 4-mile when it should have been 36 miles. See response to 4e.	iii) At this time we plan to implement Down Conductor Detection (DCD) on 36 wire distribution (or an overhead circuit) miles of wire distribution in PG&E's FPD. We will continue to explore the possibility of expanding DCD to 100 miles of wire distribution in the future. Figure 1.4.2 incorrectly identified DCD applicable to 4-mile when it should have been 36 miles. See response to 4e.	iv) At this time we plan to implement Down Conductor Detection (DCD) on 36 wire distribution (or an overhead circuit) miles of wire distribution in PG&E's FPD. We will continue to explore the possibility of expanding DCD to 100 miles of wire distribution in the future. Figure 1.4.2 incorrectly identified DCD applicable to 4-mile when it should have been 36 miles. See response to 4e.	Holly Watterman	4/8/2023	4/11/2023	4/11/2023	<a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a>	0	NA	8.1.2, 10.1	Grid Design and System Hardening	Downed Conductor Detection Devices
115	CAIPA	Set WMP-13	CAIPA_Set WMP-13- 2	CAIPA_Set WMP-13_02	2	CAIPA_Set WMP-13_02	CAIPA_Set WMP-13_02	Table B.27 on page 588 of PG&E's WMP summarizes grid operation monitoring systems, including Distribution Fault Anticipation (DFA) and Early Fault Detection (EFD). a) Describe the types of faults, equipment failures, and/or other issues that DFA is capable of detecting. b) Describe the types of faults, equipment failures, and/or other issues that EFD is capable of detecting. c) Describe the types of faults, equipment failures, and/or other issues that DFA is capable of detecting, but EFD is not capable of detecting. d) Describe the types of faults, equipment failures, and/or other issues that EFD is capable of detecting, but DFA is not capable of detecting. e) In what point (i.e., number of months/year) after the beginning of an outage triggered by EFD settings does PG&E notify customers? f) In what point (i.e., number of months/year) after the line is restored, after an outage triggered by EFD settings does PG&E notify customers?	ii) DFA is capable of identifying issues in a circuit. It locates issues when used in combination with faulted circuit impedance measurement technology. EFD is capable of identifying issues in a circuit. It locates issues when used in combination with faulted circuit impedance measurement technology. See response to 4e.	iii) DFA is capable of identifying issues in a circuit. It locates issues when used in combination with faulted circuit impedance measurement technology. EFD is capable of identifying issues in a circuit. It locates issues when used in combination with faulted circuit impedance measurement technology. See response to 4e.	iv) DFA is capable of identifying issues in a circuit. It locates issues when used in combination with faulted circuit impedance measurement technology. EFD is capable of identifying issues in a circuit. It locates issues when used in combination with faulted circuit impedance measurement technology. See response to 4e.	Holly Watterman	4/8/2023	4/11/2023	4/11/2023	<a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a> <a href="https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1">https://www.pge.com/customer/energy-safety/2022-DI_Calendar/index.cfm?act=1</a>	0	NA	8.3.1	Statistical Assessment and Forecasting	Existing Systems, Technologies, and Procedures

Item	Category	Sub-Category	Item ID	Item Name	Priority	Start Date	End Date	Responsible Party	Status	Notes							
116	CA&P	Sat WMP-13	CaPa_Sat WMP-13-3	3	CaPa_Sat WMP-13-03	3	4/12/2023	4/12/2023	Holy Waterman	400203	4120203	4120203	0	NA	8.2.6	Vegetation Management and Inspections	Open Work Orders
117	CA&P	Sat WMP-13	CaPa_Sat WMP-13-4	4	CaPa_Sat WMP-13-04	4	4/12/2023	4/12/2023	Holy Waterman	400203	4120203	4120203	0	NA	8.2.6	Vegetation Management and Inspections	Open Work Orders
118	CA&P	Sat WMP-13	CaPa_Sat WMP-13-5	5	CaPa_Sat WMP-13-05	5	4/12/2023	4/12/2023	Holy Waterman	400203	4282023	4282023	1	NA	7.2.3	Wildfire Mitigation	Prepared Risk Reduction on High-Risk Circuits Over the 3-Year WMP Cycle
119	CA&P	Sat WMP-13	CaPa_Sat WMP-13-6	6	CaPa_Sat WMP-13-06	6	4/12/2023	4/12/2023	Holy Waterman	400203	4120203	4120203	0	NA	6.2.2.4	Risk Methodology and Assessment	Consequence
120	CA&P	Sat WMP-13	CaPa_Sat WMP-13-7	7	CaPa_Sat WMP-13-07	7	4/12/2023	4/12/2023	Holy Waterman	400203	4120203	4120203	0	NA	7.2.1	Wildfire Mitigation	Overview of Mitigation Initiatives and Activities
121	CA&P	Sat WMP-13	CaPa_Sat WMP-13-8	8	CaPa_Sat WMP-13-08	8	4/12/2023	4/12/2023	Holy Waterman	400203	4120203	4120203	0	NA	8.1.2.7	Grid Design and System Hardening	Monitors
122	CA&P	Sat WMP-13	CaPa_Sat WMP-13-9	9	CaPa_Sat WMP-13-09	9	4/12/2023	4/12/2023	Holy Waterman	400203	4120203	4120203	0	NA	8.1.2.7	Grid Design and System Hardening	Monitors
123	CA&P	Sat WMP-13	CaPa_Sat WMP-13-10	10	CaPa_Sat WMP-13-10	10	4/12/2023	4/12/2023	Holy Waterman	400203	4120203	4120203	0	NA	7.2.1	Wildfire Mitigation Strategy Development	Proposed Overall Risk Reduction
124	CA&P	Sat WMP-14	CaPa_Sat WMP-14-01	1	CaPa_Sat WMP-14-01	1	4/12/2023	4/12/2023	Holy Waterman	4120203	4120203	4120203	0	NA	8.1.2.3	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
125	CA&P	Sat WMP-14	CaPa_Sat WMP-14-02	2	CaPa_Sat WMP-14-02	2	4/12/2023	4/12/2023	Holy Waterman	4120203	4120203	4120203	0	NA	8.1.2.6.1	Grid Design and System Hardening	Distribution, Transmission, and Substation Fire Action Schemes and Technology
126	CA&P	Sat WMP-14	CaPa_Sat WMP-14-03	3	CaPa_Sat WMP-14-03	3	4/12/2023	4/12/2023	Holy Waterman	4120203	4120203	4120203	0	NA	8.1.2.6.2	Grid Design and System Hardening	Breakaway Connector
127	CA&P	Sat WMP-14	CaPa_Sat WMP-14-04	4	CaPa_Sat WMP-14-04	4	4/12/2023	4/12/2023	Holy Waterman	4120203	4120203	4120203	0	NA	8.1.2.6.2	Grid Design and System Hardening	Breakaway Connector









171	TURN	004	TURN_004	2	TURN_004_02	<p>Regarding Table PG&amp;E-22-35-1 (PSPS Events Lookback Analysis) on page 972 of PG&amp;E's 2023-2025 WMP: PG&amp;E's Lookback Analysis provides a visual description of all dates and how the numbers in each column were calculated. I'd like to see the data in a spreadsheet.</p>	<p>In input data the columns in Table PG&amp;E-22-35-1 used the following input data: 2022 PSPS Five Year Lookback Analysis (2017-2022); this is an analysis which shows the hypothetical PSPS events created by applying 2022 PSPS guidance to the weather from 2018-2022. This is our most accurate method of estimating PSPS impacts based on our latest PSPS guidance, and results in a dataset identifying the list of customers impacted by hypothetical events. This list of customers is used in the WMP to calculate projected PSPS customer impacts. Customers whose impact is prevented due to existing mitigations (and the cost of 2022) are not included in the dataset. Some customers in the dataset are not impacted due to existing mitigation strategies due to a downstream MSD device in the hypothetical PSPS events. When scoring PSPS events, we also add events to our scope based on the presence of certain asset and mitigation tags. These areas also meet the Minimum Fire Potential Conditions. This results in an incremental expansion of the PSPS scope. The correct treatment of asset and mitigation tags on system assets only applies and cannot be accurately represented in the WMP. The expansion in scope due to asset and mitigation tags is incorporated as a 2% multiplier. The asset and mitigation tag specific customer impacts were calculated using 2021 actual PSPS events, including the January 15, 2021 PSPS Event (which used the 2022 PSPS guidance and thus did not have a scope increase due to tags).</p> <p>Service events determine which specific customers will be added to the scope. Service events were not included in the 10.2% increase can only be applied to the aggregated customer count for each PSPS event. The correct treatment of asset and mitigation tags on system assets only applies and cannot be accurately represented in the WMP. The expansion in scope due to asset and mitigation tags is incorporated as a 2% multiplier. The asset and mitigation tag specific customer impacts were calculated using 2021 actual PSPS events, including the January 15, 2021 PSPS Event (which used the 2022 PSPS guidance and thus did not have a scope increase due to tags).</p> <p>MSD Device Replacement Worksheet (2023-2024): this dataset identifies the list of MSD devices that are planned to be replaced with non-MSD devices in 2023 and 2024. This dataset was used in conjunction with the 2022 PSPS Five Year Lookback Analysis described above to identify customers whose PSPS ratings would be improved by planned MSD device replacements.</p> <p>Expanded Underpinning Projects: this dataset identifies the underpinning projects scoped for future work. An analysis was performed using this dataset to determine the average expected PSPS customer mitigation per mile of underpinning completed, among the scoped projects. The expected PSPS customer mitigation is calculated relative to hypothetical PSPS events in the 2022 PSPS Five Year Lookback Analysis described above.</p> <p>Table Customer Incremental Customer Mitigated: This column indicates the number of incremental customer events mitigated per project (year and type of mitigation), relative to the hypothetical PSPS events.</p> <p>Table Distribution: This table indicates the following mitigations with the potential to mitigate the scale, scope, frequency or duration of PSPS events:</p> <ul style="list-style-type: none"> <li>Transmission Line Substituting or Switching</li> <li>Distribution Line Shared Switch Operator (SSO) Replacements</li> <li>Temporary Distribution Mitigants</li> <li>System Hardening (Distribution)</li> <li>Underpinning</li> </ul> <p>Table Customer Incremental Customer Mitigated: This column indicates the number of incremental customer events mitigated per project (year and type of mitigation), relative to the hypothetical PSPS events.</p> <p>Table Distribution: This table indicates the following mitigations with the potential to mitigate the scale, scope, frequency or duration of PSPS events:</p> <ul style="list-style-type: none"> <li>Transmission Line Substituting or Switching</li> <li>Distribution Line Shared Switch Operator (SSO) Replacements</li> <li>Temporary Distribution Mitigants</li> <li>System Hardening (Distribution)</li> <li>Underpinning</li> </ul>	Tom Long	4/12/2023	4/12/2023	4/12/2023	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-35 Quantify Mitigation Benefits of Restoring PSPS Scale, Scope, and Frequency
172	TURN	004	TURN_004	3	TURN_004_03	<p>Regarding PG&amp;E's responses to ACI PG&amp;E-22-35, beginning on page 971 of its WMP: Please identify each mitigation discussed in PG&amp;E's current WMP as 2022 WMP has the mitigation to mitigate the scale, scope, frequency or duration of PSPS events. Please explain why Table 22-35-1 only looks at the impact of mitigation, underpinning and MSD, and does not consider the other mitigations identified in responses to subject (a). Please provide all PG&amp;E analyses similar to what is presented in Table 22-35-1 regarding the impact on PSPS scale, scope, frequency or duration of any or all of the other mitigations identified in responses to subject (a). Regarding the statement on page 971: "We concluded that none of the 2022 mitigation initiatives addressed any risk." Please identify each of the 2022 mitigation initiatives that are referenced in this statement. Is the meaning of the statement that none of the 2022 mitigation initiatives reduced the scale, scope, frequency or duration of any events? If not, please explain what is meant by the statement and how it relates to the analysis presented in Table 22-35-1.</p>	<p>Table Customer Incremental Customer Mitigated: This column indicates the number of incremental customer events mitigated per project (year and type of mitigation), relative to the hypothetical PSPS events.</p> <p>Table Distribution: This table indicates the following mitigations with the potential to mitigate the scale, scope, frequency or duration of PSPS events:</p> <ul style="list-style-type: none"> <li>Transmission Line Substituting or Switching</li> <li>Distribution Line Shared Switch Operator (SSO) Replacements</li> <li>Temporary Distribution Mitigants</li> <li>System Hardening (Distribution)</li> <li>Underpinning</li> </ul> <p>Table Customer Incremental Customer Mitigated: This column indicates the number of incremental customer events mitigated per project (year and type of mitigation), relative to the hypothetical PSPS events.</p> <p>Table Distribution: This table indicates the following mitigations with the potential to mitigate the scale, scope, frequency or duration of PSPS events:</p> <ul style="list-style-type: none"> <li>Transmission Line Substituting or Switching</li> <li>Distribution Line Shared Switch Operator (SSO) Replacements</li> <li>Temporary Distribution Mitigants</li> <li>System Hardening (Distribution)</li> <li>Underpinning</li> </ul> <p>Table Customer Incremental Customer Mitigated: This column indicates the number of incremental customer events mitigated per project (year and type of mitigation), relative to the hypothetical PSPS events.</p> <p>Table Distribution: This table indicates the following mitigations with the potential to mitigate the scale, scope, frequency or duration of PSPS events:</p> <ul style="list-style-type: none"> <li>Transmission Line Substituting or Switching</li> <li>Distribution Line Shared Switch Operator (SSO) Replacements</li> <li>Temporary Distribution Mitigants</li> <li>System Hardening (Distribution)</li> <li>Underpinning</li> </ul> <p>Table Customer Incremental Customer Mitigated: This column indicates the number of incremental customer events mitigated per project (year and type of mitigation), relative to the hypothetical PSPS events.</p> <p>Table Distribution: This table indicates the following mitigations with the potential to mitigate the scale, scope, frequency or duration of PSPS events:</p> <ul style="list-style-type: none"> <li>Transmission Line Substituting or Switching</li> <li>Distribution Line Shared Switch Operator (SSO) Replacements</li> <li>Temporary Distribution Mitigants</li> <li>System Hardening (Distribution)</li> <li>Underpinning</li> </ul>	Tom Long	4/12/2023	4/12/2023	4/12/2023	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-35 Quantify Mitigation Benefits of Restoring PSPS Scale, Scope, and Frequency
173	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division)_003_01	1	CPUC - SPD (Safety Policy Division)_003_01	<p>I fill in the attached spreadsheet "Wildfire Mitigation Table DR - PG&amp;E". The first tab is a "Discovery" which provides definitions for each attribute. The other tabs, "Table Impact", "Asset Information", and "VBI Impacts", need to be completed with data provided from PG&amp;E.</p>	<p>Please see attachment "WMP-Discover2023_DR_SPD_003-001(A)01.xlsx" which is the completed Wildfire Mitigation Table DR - PG&amp;E spreadsheet provided to us by PG&amp;E.</p>	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	1	NA	8	Wildfire Mitigation	NA
174	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division)_003_02	2	CPUC - SPD (Safety Policy Division)_003_02	<p>In PG&amp;E 2023 WMP, PG&amp;E Section 642_A1001: SPD has observed the mitigation effectiveness of Covered Conductor in the form of 49% compared to the value reported in the WMP which is 64% (page 346). Explain the discrepancy.</p>	<p>The data information is incorrect in the WMP. We have corrected in responses to the discovery request. We will reach out to Energy Safety to discuss this update and ensure corrections to the WMP related to Energy Safety's Discovery Request. The 49% effectiveness cited above due to an increase in the original file and has been corrected in WMP. The correct effectiveness factor is approximately 64%. As such in the attachment there is some minor variation in effectiveness per circuit segment dependent on the specific circuit values.</p>	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	0	NA	8.1,2.1	Grid Design and System Hardening	Covered Conductor Installation - Distribution
175	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division)_003_03	3	CPUC - SPD (Safety Policy Division)_003_03	<p>2 Confirm or revise PG&amp;E's Bulb County OHS UG conversion factor in the 2023-2025 WMP (formerly 1.57 in the OHS) based on actual and estimated UG miles for 2023-2028 in the PG&amp;E 2023 OHS Study Brief (Doc ID: PG&amp;E-22-001-01-01) and 100 Bulb County UG miles (WMP 2023-2025).</p>	<p>PG&amp;E confirms that our Bulb County OHS UG conversion factor for the 2023-2025 WMP is 1.57.</p>	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	0	NA	8.1,2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
176	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division)_003_04	4	CPUC - SPD (Safety Policy Division)_003_04	<p>Based on WSPS' mid-range of the wildfire ignition and general understanding of PG&amp;E's underpinning program, it appears that underpinning would have prevented only 67% of CPUC-eligible ignitions in the HFTD between 2020-2022 primarily due to the impact of secondary and service conductor systems. Additionally, SPD noted two CPUC-eligible ignitions in PG&amp;E inventories during 2022 which were related to underpinning. The data used in the ignition data listed here, "Wildfire and WSPS Safety (a-c)", shows risk, WSPS is showing the data and determining the best methodology to analyze the data). Provide the justification for the best mitigation effectiveness value for underpinning reported in the Wildfire Mitigation Plan. Explain how secondary, service conductor, and underground ignitions are accounted for in the 95% mitigation effectiveness.</p> <p>Provide the percentage of CPUC-eligible ignitions in the HFTD that underpinning would be expected to prevent, accounting for secondary and service conductors.</p> <p>Provide a description of each CPUC-eligible ignition related to underpinning that occurred in 2022 and describe how PG&amp;E's underpinning program would or would not mitigate the ignition.</p> <p>EPSP is general understanding that ignitions from secondary conductors and service drops are accounted for in the methodology for calculating the effectiveness for both covered conductor and EPSP, but the risk does not appear to be accounted for in the same way to understand. Explain the difference in the methodology for how the SPD mitigation effectiveness is being calculated as compared to the 67% mitigation effectiveness in covered conductor and 67% effectiveness for EPSP.</p> <p>Explain how the mitigation effectiveness is applied to the risk calculation (such as that approach used in PG&amp;E 2023 WMP, PG&amp;E Section 642_A1001) and contrast this approach to the approach used for covered conductor and EPSP.</p> <p>Provide the number of CPUC-eligible ignitions related to HFTDs in secondary and service conductors for each year starting in 2014 onward.</p>	<p>Our current evaluation is to underground primary conductor. At this time, we do not underground labeled secondary lines and service conductors. As noted in part, we assume that underpinning is 95% effective at reducing ignitions on the distribution primary lines under the underpinning that takes place. However, as part of the underpinning response, we will increase the number of secondary and service lines by replacing underground, guy services, and secondary lines with the equivalent of a new transformer. By doing this, we are increasing the total secondary and service lines. However, as part of the underpinning response, we will increase the number of secondary and service lines by replacing underground, guy services, and secondary lines with the equivalent of a new transformer. By doing this, we are increasing the total secondary and service lines. However, as part of the underpinning response, we will increase the number of secondary and service lines by replacing underground, guy services, and secondary lines with the equivalent of a new transformer. By doing this, we are increasing the total secondary and service lines.</p> <p>Our current evaluation is to underground primary conductor. At this time, we do not underground labeled secondary lines and service conductors. As noted in part, we assume that underpinning is 95% effective at reducing ignitions on the distribution primary lines under the underpinning that takes place. However, as part of the underpinning response, we will increase the number of secondary and service lines by replacing underground, guy services, and secondary lines with the equivalent of a new transformer. By doing this, we are increasing the total secondary and service lines. However, as part of the underpinning response, we will increase the number of secondary and service lines by replacing underground, guy services, and secondary lines with the equivalent of a new transformer. By doing this, we are increasing the total secondary and service lines.</p>	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	1	NA	8.1,2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
177	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division)_003_05	5	CPUC - SPD (Safety Policy Division)_003_05	<p>Regarding the UG workshop table provided in PG&amp;E 2023-03-27_PG&amp;E_WMP_PG&amp;E_Appendix D ACI PG&amp;E-22-16_A0101_C006 Also Why Does Customer "D" This Rank (VZ) begin at Rank 7 (as opposed to 1) for circuit? Why do the gaps in rank 1 exist? Why does customer "C" This Rank (VZ) begin at Rank 6 (as opposed to 1) for circuit? Why does it end at 2023? Why do the gaps in rank 1 exist?</p>	<p>1. There are three primary reasons why the risk ranking does not begin at 1:          a. If the circuit segment length is less than 1 mile then these smaller segments are bundled with other larger groups of circuit segments.          b. Some of the circuit segments are privately owned lines, we send an email letter to the owner reminding them of their responsibility to maintain the line but to not take action on these circuits. i.e., circuit segment that is risk ranked 2 is privately owned line.          c. Some circuits are in the risk model data but each has been completed on that circuit segment and therefore the circuit segment is not included in planned work in the 2023-2025 work plan (i.e., work on a circuit segment that is risk ranked 1 has already been completed).          2. We have approximately 1,000 CPUC eligible in the HFTD as of the 2023 WSPS. The data provided is only for the circuit segments in the current workshop which represents a subset of the overall 10,000 mile underpinning program (~2,700 miles) which is only a portion of the overall electric distribution in HFTD. The data rank ends at 130 in the workshop because not all circuit segments are represented in the 2023-2025 workshop, including a number of circuit segments that are lower on the risk priority (2,29-200).          3. Some of the numerical risk ranks that would be expected in a complete (~1M dataset) are missing from the workshop data. We have approximately 1,000 CPUC eligible in the HFTD as of the 2023 WSPS. The data provided is only for the circuit segments in the current workshop which represents a subset of the overall 10,000 mile underpinning program (~2,700 miles) which is only a portion of the overall electric distribution in HFTD. The data rank ends at 130 in the workshop because not all circuit segments are represented in the 2023-2025 workshop, including a number of circuit segments that are lower on the risk priority (2,29-200).          4. Yes, we have evaluated the feasibility of developing a multi-year historical tree data set.          5. We will have tree year historical tree data with the Crew VBI Tool. The dataset represents annual previous work on a vegetation point as well as associated contractors. This will also assist with analysis related to tree growth, allowing the assessment of a well-defined tree growth model to be used.</p>	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-16 - Progress and Updates on Underpinning and Risk Prioritization
178	O&E	002	O&E_002	1	O&E_002_01	<p>Has PG&amp;E used its Targeted Tree Species study to identify additional clearances for inventory of trees with the highest growth and highest fuel potential?          If not, explain the reasons and how PG&amp;E has or will integrate this knowledge into its VM programs.          If not, please explain PG&amp;E's plan to perform this evaluation and provide a timeline for completion and re-evaluation.          Has PG&amp;E reviewed the Process and Procedures for collecting and enhancing checklist for field inspections and current inventory guidance?          If not, explain the reasons and how PG&amp;E has or will integrate this knowledge into its VM programs.          If not, please explain PG&amp;E's plan to perform this evaluation and provide a timeline for completion and re-evaluation.          How are the results and how PG&amp;E has or will integrate this knowledge into its VM programs.          If not, please explain PG&amp;E's plan to perform this evaluation and provide a timeline for completion and re-evaluation.          Has PG&amp;E evaluated the feasibility of developing a multi-year historical tree data set?          If not, explain the reasons and how PG&amp;E has or will integrate this knowledge into its VM programs.          If not, please explain PG&amp;E's plan to perform this evaluation and provide a timeline for completion and re-evaluation.</p>	<p>1. No, PG&amp;E has not used its Targeted Tree Species study to identify additional clearances for inventory of trees with the highest growth and highest fuel potential and is currently not planning to do so. The Targeted Tree Species Study (TSS) did not include in its objective any analysis of tree growth rates or make any recommendations on how they should be collected as part of tree pruning.          2. PG&amp;E is not able to perform this analysis at this time.          3. We are currently reviewing Process and Procedures for field inspections and current checklist guidance.          4. PG&amp;E plan to complete the new year and 2023, any updates discovered necessary will be incorporated for implementation in 2024.          5. See above. This is currently in progress.          6. Yes, we have reviewed the Process and Procedures for collecting and enhancing checklist for field inspections and current inventory guidance.          7. We have supported a proposed plan to continue refinements to mid-cycle areas through November 20, 2023. Refinements during the time will include 2023 mid-cycle inspections operations and service development. In addition to fieldwork and evaluating the feasibility of Targeted Tree Species program in 2024, adjustments to mid-cycle inspections areas and re-evaluation are anticipated for VM operations beginning in 2024.          8. Yes, we have evaluated the feasibility of developing a multi-year historical tree data set.          9. We will have tree year historical tree data with the Crew VBI Tool. The dataset represents annual previous work on a vegetation point as well as associated contractors. This will also assist with analysis related to tree growth, allowing the assessment of a well-defined tree growth model to be used.</p>	Colin Long	4/12/2023	4/18/2023	4/19/2023	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-24 - Progress of Vegetation Management Inventory











218	OEIS	003	OEIS_003	4	OEIS_003_04	<p>Regarding Support for Medical Baseline Customers</p> <p>How does PG&amp;E support Medical Baseline (MBL) customers during wildfire emergencies?</p>	<p>Colin Lang</p> <p>4/21/2023</p> <p>4/26/2023</p> <p>4/26/2023</p> <p><a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a>  <a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a>  <a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a></p>	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>Provide an example of each customer survey sent in 2021 and 2022 regarding emergency operations and any reports analyzing those surveys' results.</p>	<p>Colin Lang</p> <p>4/21/2023</p> <p>4/26/2023</p> <p>4/26/2023</p> <p><a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a>  <a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a>  <a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a></p>	1	NA	8.4.4	Emergency Preparedness	Public Emergency Communication Strategy
220	OEIS	003	OEIS_003	6	OEIS_003_06	<p>Regarding PG&amp;E's Assess of Concern</p> <p>Provide a GIS layer of PG&amp;E's Assess of Concern (AOC) with the following attributes for each AOC polygon:  a. Name of the AOC  b. Number of overhead circuit miles in the AOC that are in scope for Focused Tree Inspections (AOC in scope) (Yes/No)  c. Cumulative probability of ignition caused by vegetation coupled with consequences of ignition as given by WDRM (0 to 100%)  d. Average probability of ignition caused by vegetation coupled with consequences of ignition as given by WDRM (0 to 100%)  e. Cumulative Overhead Utility Risk as defined by the 2023-2025 WMP Technical Guidelines, Appendix B  f. Cumulative Ignition Risk as defined by the 2023-2025 WMP Technical Guidelines, Appendix B  g. Cumulative PSPS Risk as defined by the 2023-2025 WMP Technical Guidelines, Appendix B  h. Cumulative Contact from Vegetation Loadshedding of Ignition as defined by the 2023-2025 WMP Technical Guidelines, Appendix B  i. Has PG&amp;E used any vegetation related data sources to identify the stratification of overhead trees in the AOC? (e.g., LDM, satellite) If so, list the data source(s) and the date the data were collected. (e.g., distribution (LDM) from by PG&amp;E in 2019)  j. Has PG&amp;E used any tree mortality data to do this?  k. Does the AOC(s) fit into the data set(s) and the date the data were collected.  l. Does the proportion of inspection among the AOC(s) fit into the data set(s) and the date the data were collected.</p>	<p>Colin Lang</p> <p>4/21/2023</p> <p>4/26/2023</p> <p>4/26/2023</p> <p><a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a>  <a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a>  <a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a></p>	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>During the decision process to discontinue use of the Tree Assessment Tool (TAT) and adopt the ISA to Basic Tree Risk Assessment Form (ISA Form), did PG&amp;E consider incorporating elements from the ISA Form into the TAT?  a. If PG&amp;E collected a digital record of each ISA Form generated by inspectors, in OneView or another system?  b. How does PG&amp;E plan to incorporate known localized risk factors (e.g., wind, outage status by species) into the assessment?  c. Did PG&amp;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.  d. Has PG&amp;E benchmarked and/or discussed the latest version of its TAT and the associated risk assessment procedure and its new tree risk assessment procedure with the ISA checklist with other utilities, including but not limited to SCE and its Tree Risk Calculator? If so, provide a summary of that benchmarking/discussion.  e. Provide the logic and any documentation of methodology, standards, and data sources for the most recent version of the TAT. Include a list of the factors considered in TAT scoring methodology.</p>	<p>Colin Lang</p> <p>4/21/2023</p> <p>4/27/2023</p> <p>4/27/2023</p> <p><a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a>  <a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a>  <a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a></p>	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>Provide PG&amp;E's confidential responses and attachments in the following Date Ranges:  a. WMP-Discovery2023_California, 02/01/2021  b. WMP-Discovery2023_California, 02/02/2021  c. WMP-Discovery2023_California, 02/03/2021  d. WMP-Discovery2023_California, 02/04/2021  e. WMP-Discovery2023_California, 02/05/2021  f. WMP-Discovery2023_California, 02/06/2021  g. WMP-Discovery2023_California, 02/07/2021  h. WMP-Discovery2023_California, 02/08/2021  i. WMP-Discovery2023_California, 02/09/2021  j. WMP-Discovery2023_California, 02/10/2021</p>	<p>Colin Lang</p> <p>4/21/2023</p> <p>4/26/2023</p> <p>4/26/2023</p> <p><a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a>  <a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a>  <a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a></p>	0	NA	7	Wildfire Mitigation Strategy Development	NA
223	OEIS	003	OEIS_003	9	OEIS_003_09	<p>Regarding PG&amp;E's Asset Inspection Program</p> <p>Provide the inspection checklists used for both PG&amp;E's patrol and detailed inspections.  a. PG&amp;E labels its inspections specifically to report wildfire risk specific items, identify which items within the checklist the applies, to particularly if such differs from standard ISO inspections.  b. On average, how many detailed inspections are completed by inspectors per day?</p>	<p>Colin Lang</p> <p>4/21/2023</p> <p>4/26/2023</p> <p>4/26/2023</p> <p><a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a>  <a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a>  <a href="https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf">https://www.pge.com/life_ebdc/customer/pdf/16/16-emergency-preparedness-checklist.pdf</a></p>	5	NA	8.1.3	Asset Inspections	NA





233	CAIPA	Sat WMP-17	CAIPA_Sat WMP-17-02	2	CAIPA_Sat WMP-17-02	In general, identify all the factors PG&E considers when deciding that a CPZ with large average risk profile or large total risk in WDRM V3 should be prioritized in PG&E's 2023 WMP project selection.	<p>We are selecting locations in 2022 and 2023 based on the Wildlife Feasibility Effectiveness (WFE) analysis, which leverages WDRM V3 risk data, to prioritize for project selection. As part of the WFE analysis, for operational efficiency, individual Critical Protection Zones (CPZs) were bundled together for project selection and design. Once bundled together with adjacent CPZs that are also identified for targeted undergrounding, the combined bundled WFE score is used to select projects. In that process, it is possible that an individual CPZ with a larger average risk profile, or combined with another adjacent CPZ within the 10-year undergrounding plan scope that may result in a higher combined WFE score than those the bundled projects to be selected for project development.</p> <p>We believe the CPZ bundling approach is appropriate not only to improve field operational efficiency but also because bundling adjacent CPZs:</p> <ul style="list-style-type: none"> <li>1. Provides continuity with other projects to minimize re-work, temporary facilities, and allows for a more complete design solution.</li> <li>2. Allows for near-term PSEP and EPPS benefits by bundling nearby segments together.</li> <li>3. Improves for more comprehensive, customer and community engagement as opposed to multiple projects being developed individually.</li> <li>4. Allows for more comprehensive, customer and community engagement as opposed to multiple projects being developed individually.</li> <li>5. Allows for more comprehensive, customer and community engagement as opposed to multiple projects being developed individually.</li> </ul> <p>Lastly, our workplan as presented in the 2023 WMP was developed using numerous factors that could cause a particular project to be prioritized over others in the 2023-2026 WMP. These factors include:</p> <ul style="list-style-type: none"> <li>1) Due to the typically long timeframe required to develop and construct an underground project, 2022 WDRM V3 risk data was WFE only internally informed the early years in the 2023-2026 WMP with much of the portfolio being informed by 2021 WDRM V3.</li> <li>2) There remains to be carry over work from previous workplans that must be completed. If a project had been started in a prior period it will be worked to completion.</li> <li>3) The WFE selection strategy utilizing WDRM V3 takes various cost and schedule optimization inputs into its selection methodology including: <ul style="list-style-type: none"> <li>• Asset valuation</li> <li>• Underground difficulty and long-term permitting risks</li> <li>• Circuit segment bundling</li> <li>• Resource readiness and availability</li> <li>• Previously hardened facilities</li> <li>• Privatization-related needs</li> </ul> </li> </ul>	Matthew Tait	4/10/2023	4/26/2023	4/26/2023	0	NA	8.1,2,2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
234	CAIPA	Sat WMP-17	CAIPA_Sat WMP-17-03	3	CAIPA_Sat WMP-17-03	In general, identify all the factors PG&E considers when deciding that a CPZ with small total risk profile and small average risk profile in WDRM V3 should be prioritized in PG&E's 2023 WMP project selection.	<p>As of 10/18/2022, we specifically find that the CPZ mitigates presented in Table 2 are as follows:</p> <ul style="list-style-type: none"> <li>1) 10/18/2022 WFE analysis, which leverages WDRM V3 risk data, to prioritize for project selection. As part of the WFE analysis, for operational efficiency, individual Critical Protection Zones (CPZs) were bundled together for project selection and design. Once bundled together with adjacent CPZs that are also identified for targeted undergrounding, the combined bundled WFE score is used to select projects. In that process, it is possible that an individual CPZ with a larger average risk profile, or combined with another adjacent CPZ within the 10-year undergrounding plan scope that may result in a higher combined WFE score than those the bundled projects to be selected for project development. <p>We believe the CPZ bundling approach is appropriate not only to improve field operational efficiency but also because bundling adjacent CPZs:</p> <ul style="list-style-type: none"> <li>1. Provides continuity with other projects to minimize re-work, temporary facilities, and allows for a more complete design solution.</li> <li>2. Allows for near-term PSEP and EPPS benefits by bundling nearby segments together.</li> <li>3. Improves for more comprehensive, customer and community engagement as opposed to multiple projects being developed individually.</li> <li>4. Allows for more comprehensive, customer and community engagement as opposed to multiple projects being developed individually.</li> <li>5. Allows for more comprehensive, customer and community engagement as opposed to multiple projects being developed individually.</li> </ul> <p>Lastly, our workplan as presented in the 2023 WMP was developed using numerous factors that could cause a particular project to be prioritized over others in the 2023-2026 WMP. These factors include:</p> <ul style="list-style-type: none"> <li>1) Due to the typically long timeframe required to develop and construct an underground project, 2022 WDRM V3 risk data was WFE only internally informed the early years in the 2023-2026 WMP with much of the portfolio being informed by 2021 WDRM V3.</li> <li>2) There remains to be carry over work from previous workplans that must be completed. If a project had been started in a prior period it will be worked to completion.</li> <li>3) The WFE selection strategy utilizing WDRM V3 takes various cost and schedule optimization inputs into its selection methodology including: <ul style="list-style-type: none"> <li>• Asset valuation</li> <li>• Underground difficulty and long-term permitting risks</li> <li>• Circuit segment bundling</li> <li>• Resource readiness and availability</li> <li>• Previously hardened facilities</li> <li>• Privatization-related needs</li> </ul> </li> </ul> </li></ul>	Matthew Tait	4/10/2023	4/26/2023	4/26/2023	0	NA	8.1,2,2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
235	CAIPA	Sat WMP-17	CAIPA_Sat WMP-17-04	4	CAIPA_Sat WMP-17-04	In general, identify all the factors PG&E considers when deciding that a CPZ with small total risk profile and small average risk profile in WDRM V3 should be prioritized in PG&E's 2023 WMP project selection.	<p>We are selecting locations in 2022 and 2023 based on the Wildlife Feasibility Effectiveness (WFE) analysis, which leverages WDRM V3 risk data, to prioritize for project selection. As part of the WFE analysis, for operational efficiency, individual Critical Protection Zones (CPZs) were bundled together for project selection and design. Once bundled together with adjacent CPZs that are also identified for targeted undergrounding, the combined bundled WFE score is used to select projects. In that process, it is possible that an individual CPZ with a larger average risk profile, or combined with another adjacent CPZ within the 10-year undergrounding plan scope that may result in a higher combined WFE score than those the bundled projects to be selected for project development.</p> <p>We believe the CPZ bundling approach is appropriate not only to improve field operational efficiency but also because bundling adjacent CPZs:</p> <ul style="list-style-type: none"> <li>1. Provides continuity with other projects to minimize re-work, temporary facilities, and allows for a more complete design solution.</li> <li>2. Allows for near-term PSEP and EPPS benefits by bundling nearby segments together.</li> <li>3. Improves for more comprehensive, customer and community engagement as opposed to multiple projects being developed individually.</li> <li>4. Allows for more comprehensive, customer and community engagement as opposed to multiple projects being developed individually.</li> <li>5. Allows for more comprehensive, customer and community engagement as opposed to multiple projects being developed individually.</li> </ul> <p>Lastly, our workplan as presented in the 2023 WMP was developed using numerous factors that could cause a particular project to be prioritized over others in the 2023-2026 WMP. These factors include:</p> <ul style="list-style-type: none"> <li>1) Due to the typically long timeframe required to develop and construct an underground project, 2022 WDRM V3 risk data was WFE only internally informed the early years in the 2023-2026 WMP with much of the portfolio being informed by 2021 WDRM V3.</li> <li>2) There remains to be carry over work from previous workplans that must be completed. If a project had been started in a prior period it will be worked to completion.</li> <li>3) The WFE selection strategy utilizing WDRM V3 takes various cost and schedule optimization inputs into its selection methodology including: <ul style="list-style-type: none"> <li>• Asset valuation</li> <li>• Underground difficulty and long-term permitting risks</li> <li>• Circuit segment bundling</li> <li>• Resource readiness and availability</li> <li>• Previously hardened facilities</li> <li>• Privatization-related needs</li> </ul> </li> </ul>	Matthew Tait	4/10/2023	4/26/2023	4/26/2023	0	NA	8.1,2,2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
236	TURN	006	TURN_006_01	1	TURN_006_01	Regarding the System Hardening Decision Tree provided as Attachment 3 to the response to TURN data request 1, please define the following scenarios and use the Decision Tree:	<p>1) PSEP - Public Safety Specialist: PG&amp;E PSEP team members with extensive, local wildlife operations expertise. Many had a previous career with CAL FIRE or other fire agencies.</p> <p>2) FSD - Field Supervision District Manager: Meeting to review potential undergrounding project risks held in office as requested to the field.</p> <p>3) EADOP - Economic Analysis Software Program: Program used by PG&amp;E to evaluate project economics. A DEC - Decision Tree: Tool used to make decisions about developing and prioritizing projects.</p> <p>4) WGC - Wildlife Governance Committee: Also referred to as PG&amp;E's Wildlife Risk Governance Steering Committee.</p> <p>5) WDRM - Wildlife Damage Risk Model: Model used to estimate the impact of wildlife damage on undergrounding projects.</p> <p>6) EDCO - Electric Conductor Optimization Program: This program conducts existing open electric work when prioritizing undergrounding projects to be completed in the same area.</p>	Tom Long	4/10/2023	4/26/2023	4/26/2023	0	NA	8.1,2,2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
237	TURN	006	TURN_006_02	2	TURN_006_02	Regarding the System Hardening Decision Tree provided as Attachment 3 to the response to TURN data request 1, please define the following scenarios and use the Decision Tree for future projects during the 2023-2026 period for selecting which system hardening mitigation to apply a given location?	<p>1) PSEP - Public Safety Specialist: PG&amp;E PSEP team members with extensive, local wildlife operations expertise. Many had a previous career with CAL FIRE or other fire agencies.</p> <p>2) FSD - Field Supervision District Manager: Meeting to review potential undergrounding project risks held in office as requested to the field.</p> <p>3) EADOP - Economic Analysis Software Program: Program used by PG&amp;E to evaluate project economics. A DEC - Decision Tree: Tool used to make decisions about developing and prioritizing projects.</p> <p>4) WGC - Wildlife Governance Committee: Also referred to as PG&amp;E's Wildlife Risk Governance Steering Committee.</p> <p>5) WDRM - Wildlife Damage Risk Model: Model used to estimate the impact of wildlife damage on undergrounding projects.</p> <p>6) EDCO - Electric Conductor Optimization Program: This program conducts existing open electric work when prioritizing undergrounding projects to be completed in the same area.</p>	Tom Long	4/10/2023	4/26/2023	4/26/2023	0	NA	8.1,2,2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
238	TURN	006	TURN_006_03	3	TURN_006_03	Regarding the Undergrounding Decision Tree provided as Attachment 1 to the response to TURN data request 1, please explain how PG&E defines the words "infeasible," as used in the text of the response related to the possibility that undergrounding may ultimately be determined to be "infeasible" and "infeasible" as used in the Decision Tree.	<p>1) Feasibility Study - Currently, the cutoff for infeasible is output from the step is 40-70 miles per month with any activities being done in parallel. The Grid Design team can usually complete this step in about 1 month.</p> <p>2) Field Scoping - This is the time to get out there to do the coordination of multiple groups, field checks, and finalization of documents and decisions related to the details of the project being scoped. Typically, this step takes ~2-3 months with high variation in that number for specific projects.</p> <p>3) In this context, infeasible and unfeasible are used interchangeably to represent an option as impractical to actually construct. Typically, locations deemed infeasible would require substantial re-routing of the line or must cross empty non-constructible land that would require a permanent EDCO route for the circuit. In these cases, targeted use of OTR alternatives is used.</p>	Tom Long	4/10/2023	4/26/2023	4/26/2023	0	NA	8.1,2,2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
239	TURN	006	TURN_006_04	4	TURN_006_04	Regarding the Fire Related Decision Tree provided as Attachment 2 to the response to TURN data request 1, please explain how PG&E defines the words "infeasible," as used in the text of the response related to the possibility that undergrounding may ultimately be determined to be "infeasible" and "infeasible" as used in the Decision Tree.	<p>1) PSEP - Public Safety Specialist: PG&amp;E PSEP team members with extensive, local wildlife operations expertise. Many had a previous career with CAL FIRE or other fire agencies.</p> <p>2) FSD - Field Supervision District Manager: Meeting to review potential undergrounding project risks held in office as requested to the field.</p> <p>3) EADOP - Economic Analysis Software Program: Program used by PG&amp;E to evaluate project economics. A DEC - Decision Tree: Tool used to make decisions about developing and prioritizing projects.</p> <p>4) WGC - Wildlife Governance Committee: Also referred to as PG&amp;E's Wildlife Risk Governance Steering Committee.</p> <p>5) WDRM - Wildlife Damage Risk Model: Model used to estimate the impact of wildlife damage on undergrounding projects.</p> <p>6) EDCO - Electric Conductor Optimization Program: This program conducts existing open electric work when prioritizing undergrounding projects to be completed in the same area.</p>	Tom Long	4/10/2023	4/26/2023	4/26/2023	0	NA	8.1,2,2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
240	TURN	006	TURN_006_05	5	TURN_006_05	Regarding the response to TURN data request 4, please explain the following terms used in the last paragraph of the response:	<p>1) Grid Services - An older type of installed service panel conductor that is more susceptible to being sagged and broken.</p> <p>2) Three-core - In this context, a service or secondary wire that is laid / connected directly to three instead of poles.</p> <p>3) Single-core - A single conductor for service to the service pole. This is the type of wire that is being replaced with a "breakaway" in the event of a tree or branch falling on the line. The tree or branch of falling down the suspended wire will cut the wire at the point of contact with the tree. The secondary conductor system is designed to have no supported energized components on the ground surface.</p>	Tom Long	4/10/2023	4/26/2023	4/26/2023	0	NA	8.1,2,2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
241	TURN	006	TURN_006_06	6	TURN_006_06	Regarding the response to TURN data request 5, please explain how PG&E defines the words "infeasible," as used in the text of the response related to the possibility that undergrounding may ultimately be determined to be "infeasible" and "infeasible" as used in the Decision Tree.	<p>1) When the primary conductor is removed and only communication wires remain, the top of the pole above the commut will be removed off to have only the height of the pole remaining to support the remaining structure.</p> <p>2) In the amount of time available to respond to the request, that is necessarily accurate as of the preparation of existing poles in the undergrounding distribution circuit that will be removed as part of the project during the 2023-2026 PG&amp;E WMP. Please provide this information because we have not completed the engineering design for much of the 2023-2026 undergrounding projects. Individual undergrounding projects vary significantly in the amount of time that will be removed.</p>	Tom Long	4/10/2023	4/26/2023	4/26/2023	0	NA	8.1,2,2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
242	TURN	007	TURN_007_01	1	TURN_007_01	Regarding the 2023-2026 Undergrounding Mitigation referenced on page 910 of the WMP (P1) and provided in Excel format in response to TURN Data Request 4:	<p>1) PSEP - Public Safety Specialist: PG&amp;E PSEP team members with extensive, local wildlife operations expertise. Many had a previous career with CAL FIRE or other fire agencies.</p> <p>2) FSD - Field Supervision District Manager: Meeting to review potential undergrounding project risks held in office as requested to the field.</p> <p>3) EADOP - Economic Analysis Software Program: Program used by PG&amp;E to evaluate project economics. A DEC - Decision Tree: Tool used to make decisions about developing and prioritizing projects.</p> <p>4) WGC - Wildlife Governance Committee: Also referred to as PG&amp;E's Wildlife Risk Governance Steering Committee.</p> <p>5) WDRM - Wildlife Damage Risk Model: Model used to estimate the impact of wildlife damage on undergrounding projects.</p> <p>6) EDCO - Electric Conductor Optimization Program: This program conducts existing open electric work when prioritizing undergrounding projects to be completed in the same area.</p>	Tom Long	4/10/2023	4/26/2023	4/26/2023	1	Yes	8.1,2,2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution



250	CAIPA	See WMP-18	CAIPA_See WMP-18	5(a)	CAIPA_See WMP-18_G(a)	<p>In response to question 19(8)(i) of California PG&amp;E 2023-0018-10, PG&amp;E states: The difference in projected vegetation management costs of \$4,841,000 between 2023 and 2024 is due to several factors, this is how PG&amp;E will achieve this reduction: (1) Transitioning from EVM to three new programs; (2) reducing the amount of Routine VM work conducted each year; commensurate with the amount of undergrounding projects completed; and (3) reducing unit costs through efficiencies over the nine case period through targeted programmatic adjustments that reduce processes and improve resource efficiency. A: How does transitioning from EVM to three new programs result in a cost reduction? B: Please provide the following information regarding anticipated VM cost savings from undergrounding in the table below:</p> <table border="1"> <tr> <th>Year</th> <th>Number of Undergrounding Miles to be Completed</th> <th>Planned Reduction in Number of Routine VM Miles</th> <th>Amount of Routine VM Cost Savings from Undergrounding (\$50,000)</th> </tr> <tr> <td>2023</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2024</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2025</td> <td></td> <td></td> <td></td> </tr> </table> <p>Year Number of Undergrounding Miles to be Completed Planned Reduction in Number of Routine VM Miles Amount of Routine VM Cost Savings from Undergrounding (\$50,000)</p>	Year	Number of Undergrounding Miles to be Completed	Planned Reduction in Number of Routine VM Miles	Amount of Routine VM Cost Savings from Undergrounding (\$50,000)	2023				2024				2025								0	NA	8.2.5.2	Vegetation Management and Inspections	Quality Control
Year	Number of Undergrounding Miles to be Completed	Planned Reduction in Number of Routine VM Miles	Amount of Routine VM Cost Savings from Undergrounding (\$50,000)																												
2023																															
2024																															
2025																															
251	CAIPA	See WMP-18	CAIPA_See WMP-18	6	CAIPA_See WMP-18_Dr	<p>In response to question 19(8)(ii) of California PG&amp;E 2023-0018-10, PG&amp;E states: The difference in projected vegetation management costs of \$4,841,000 between 2023 and 2024 is due to several factors, this is how PG&amp;E will achieve this reduction: (1) Transitioning from EVM to three new programs; (2) reducing the amount of Routine VM work conducted each year; commensurate with the amount of undergrounding projects completed; and (3) reducing unit costs through efficiencies over the nine case period through targeted programmatic adjustments that reduce processes and improve resource efficiency. A: How does transitioning from EVM to three new programs result in a cost reduction? B: Please provide the following information regarding anticipated VM cost savings from undergrounding in the table below:</p> <table border="1"> <tr> <th>Year</th> <th>Number of Undergrounding Miles to be Completed</th> <th>Planned Reduction in Number of Routine VM Miles</th> <th>Amount of Routine VM Cost Savings from Undergrounding (\$50,000)</th> </tr> <tr> <td>2023</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2024</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2025</td> <td></td> <td></td> <td></td> </tr> </table> <p>Year Number of Undergrounding Miles to be Completed Planned Reduction in Number of Routine VM Miles Amount of Routine VM Cost Savings from Undergrounding (\$50,000)</p>	Year	Number of Undergrounding Miles to be Completed	Planned Reduction in Number of Routine VM Miles	Amount of Routine VM Cost Savings from Undergrounding (\$50,000)	2023				2024				2025								0	NA	8.2.5.2	Vegetation Management and Inspections	Quality Control
Year	Number of Undergrounding Miles to be Completed	Planned Reduction in Number of Routine VM Miles	Amount of Routine VM Cost Savings from Undergrounding (\$50,000)																												
2023																															
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252	CAIPA	See WMP-18	CAIPA_See WMP-18	7	CAIPA_See WMP-18_Q7	<p>WMP Initiative Number Initiative Name 2023 Capital Expenditure (Actual) 2024 Capital Expenditure (Forecast) 2025 Capital Expenditure (Forecast) 2026 Operating Expenses (Actual) 2027 Operating Expenses (Forecast) 2028 Operating Expenses (Forecast) 2029 Operating Expenses (Forecast) 2030 Operating Expenses (Forecast)</p> <p>Please provide the following information regarding actual and projected costs for each WMP initiative under Chapter 8.2 (Vegetation Management and Inspections). Each initiative should be a row in the table below:</p>					0	NA	8.2	Vegetation Management and Inspections	NA																
253	TURN	008	TURN_008	1	TURN_008_Q1	<p>Please provide PG&amp;E's most recent calculation of REEs for Undergrounding by year from 2023-2025, at the greatest level for which PG&amp;E has completed them. For the question, "Undergrounding" refers to all programs that underground distribution lines for wildfire mitigation purposes and/or for animal protection. Please provide the worksheets with the supporting inputs and calculations for these REEs in Excel format.</p>	Tom Long	4042003	4272003	4272003	2	NA	7.4	Wildfire Mitigation Strategy Development	Risk Impact of Mitigation Initiatives																
254	TURN	008	TURN_008	2	TURN_008_Q2	<p>Please provide PG&amp;E's most recent calculation of REEs for Covered Conductors by year from 2023-2025, at the greatest level for which PG&amp;E has completed them. Please identify all activities that PG&amp;E includes in the calculations for REEs for Covered Conductors. Please provide the worksheets with the supporting inputs and calculations for these REEs in Excel format.</p>	Tom Long	4042003	4272003	4272003	0	NA	7.2.2	Wildfire Mitigation Strategy Development	Risk Impact of Mitigation Initiatives																
255	TURN	008	TURN_008	3	TURN_008_Q3	<p>Regarding the Undergrounding Decision Tree provided in response to Data Request 5-1-Ann 1, is there an error in the alternative responses to the question of the far right "VM a route or project scope charge mitigation implementation"? It appears that the "Yes" and "No" alternatives should be flipped. If an answer is chosen provide a corrected Decision Tree.</p>	Tom Long	4042003	4272003	4272003	0	NA	8.1.2	Grid Design and System Hardening	ALL																
256	TURN	008	TURN_008	4	TURN_008_Q4	<p>The first paragraph of the response to TURN DR-5-4 states that historical PG&amp;E has observed more frequent ignition and larger wildfires associated with the overhead primary distribution practices, completed by lower voltage secondary distribution lines, service conductors and high voltage transmission lines. Please provide, in the Excel format, the data on which this statement was based, and provide an explanation of what PG&amp;E believes the data shows. Please provide an estimate of the percentage of undergrounding projects that include overhead hardening of secondary and service lines, service conductors, and high voltage transmission lines. Number of ignitions Number of ignitions normalized by mileage. i. Size by actual miles including primary and secondary lines. ii. Number of structures destroyed by lightning. iii. Size by actual miles including primary and secondary lines. iv. Number of structures destroyed by lightning. v. Number of structures destroyed by lightning.</p>	Tom Long	4042003	4272003	4272003	1	NA	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution																
257	TURN	008	TURN_008	5	TURN_008_Q5	<p>In response to TURN DR-5-4 after stating that PG&amp;E is not undergrounding service drops and is not undergrounding secondary lines in most cases, PG&amp;E states in the last paragraph, "We will overhead remaining secondary and service lines by replacing open wire secondary, gray services, and tree-connects with the current standard covered conductor." (emphasis added) What is meant by the word "overheading" in this context? i. Does the term "overheading" refer to the secondary and service lines? Please explain your answer. ii. Please explain the conditions under which an undergrounding project would not include overhead hardening of secondary and service lines. iii. Please explain the conditions under which an undergrounding project would include overhead hardening of secondary and service lines. iv. In Tables 5-1 of the WMP 2023-0018-10, PG&amp;E states that it will overhead the secondary and service lines, described in this DR, associated with the project for Tables 5-1 through 5-7. v. Do PG&amp;E's REE calculations for "undergrounding" include the costs of overhead hardening of secondary and service lines that may be included in "undergrounding" projects? Please explain your answer. vi. Do PG&amp;E's REE calculations for "undergrounding" include the costs of overhead hardening of secondary and service lines that may be included in "undergrounding" projects? Please explain your answer.</p>	Tom Long	4042003	4272003	4272003	0	NA	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution																
258	TURN	008	TURN_008	6	TURN_008_Q6	<p>A: We have not performed studies or have reports to support whether lines with covered conductors experienced a reduction in PFSIS activations. B: We have not performed studies or have reports to support whether any air ionization thresholds should be changed for circuits or portions thereof by covered conductor. We currently do not plan on adjusting thresholds for circuits with covered conductors for the reasons stated in (B). C: As stated in response to AC7 PG&amp;E-22-10 in the 2023-2025 WMP, due to our PFSIS modeling approach, we could not reasonably estimate the PFSIS risk thresholds associated with the implementation of any other program that reduces the probability of catastrophic lightning events. Our calculations for PFSIS risk thresholds are based on the current level of probability of lightning on an output multiplied by the probability of collection from the PFSIS Potential Risk Model. We are unable to determine whether the current PFSIS risk thresholds are sufficient to protect the system, and therefore, that any program of additional fire that results in beneficial outcomes would reduce the probability of ignition, which would decrease the probability of PFSIS activations. We do, however, incorporate new outage data each year into our Outage Producing Winds (OPW) and Ignition Probability (IPW) machine learning models. These updates account for any updated and to outage to ignition responses in local areas of the grid. We are also exploring if adding covered conductor as a feature of the IPW model in future iterations provide benefits (see Objective 2.3.4).</p>	Tom Long	4042003	4272003	4272003	0	NA	8.1.2.1.0	Grid Design and System Hardening & PFSIS	Covered Conductor and PFSIS																
259	CAIPA	See WMP-19	CAIPA_See WMP-19	1	CAIPA_See WMP-19_Q1	<p>Please list PG&amp;E's expected average useful life for a given installation of the following technologies: i) DCDC technology ii) REFCL</p>	Holy Waterman	4252003	4282003	4282003	0	NA	8.1	Grid Design, Operations, and Maintenance	Down Conductor Detection Devices Rapid Earth Fault Current Limiter																

260	CAIPA	Sat WMP-19	CaIPA_Sat WMP-19	2	CaIPA_Sat WMP-19_02	<p>a) In 2023, what is the average per-circuit-mile cost that PG&amp;E expects to incur for asset inspection and maintenance on covered conductor distribution lines installed in the HFTD?</p> <p>b) In 2023, what is the average per-circuit-mile cost that PG&amp;E expects to incur for asset inspection and maintenance on underground distribution lines installed in the HFTD?</p> <p>c) In 2023, what is the average per-circuit-mile cost that PG&amp;E expects to incur for asset inspection and maintenance on bare overhead distribution lines installed in the HFTD?</p> <p>d) Please state the assumptions and limitations of your estimates for parts (a) through (c).</p>	<p>1) A conductor is inspected as part of our General Order (GO) 100 detailed ground inspections and patrols program in the inspected during infrared inspection.</p> <p>These inspection processes currently do not differentiate between covered conductor and bare conductor. The cost that we expect to incur for distribution overhead asset inspections in HFTDs in 2023 is roughly \$2,310 per-circuit-mile, regardless of whether the conductor is covered or bare. In addition, the cost that we expect to incur for distribution overhead asset maintenance in HFTDs in 2023 is \$1,460 per-circuit-mile.</p> <p>2) Underground cables is inspected as part of our GO 123 underground inspections and patrols program, which has an expected cost in 2023 of \$500 for inspection and \$110 for repair for every mile.</p> <p>3) We do not calculate a per-circuit-mile cost on distribution underground inspections because the unit of inspection is an structure, substation, substation walk, method, or job. We expect to spend \$1.7 million for distribution underground inspections and patrol systems-wide in 2023. In addition, we expect to spend \$4 million for distribution underground maintenance systems-wide in 2023. We do not track these costs for distribution underground inspection and maintenance costs in HFTDs and non-HFTDs.</p> <p>4) Please see the response to part (d).</p> <p>5) We used the following assumptions in calculating the per-circuit-mile asset cost for overhead conductor in HFTD in 2023: We expect to spend \$2.7 million for distribution overhead conductor inspections in HFTDs in 2023. This includes the following types of inspections: detailed ground inspection, patrol inspection, and infrared inspection. We expect to spend \$2.4 million for distribution overhead conductor maintenance in HFTDs in 2023, as part of the detailed ground inspections.</p> <p>6) We use an average span length of 200 feet.</p> <p>7) We expect to inspect approximately 11,110 circuit-miles of overhead distribution conductor in HFTDs in 2023, as part of a detailed cost to inspect distribution overhead conductor in \$2,310 per circuit-mile in HFTDs in 2023.</p> <p>8) Our calculated cost to inspect distribution overhead conductor in \$2,310 per circuit-mile in HFTDs in 2023.</p> <p>9) We included the maintenance costs associated with general overhead Electric Corrective (EC) Notifications.</p> <p>10) These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC Notifications. As such, the maintenance costs we list for all assets in the HFTDs.</p> <p>11) We included the maintenance costs associated with general overhead Electric Corrective (EC) Notifications.</p> <p>12) These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC Notifications. As such, the maintenance costs we list for all assets in the HFTDs.</p> <p>13) Protective asset replacement programs were not included (e.g. pole replacements, transformer replacements, overhead equipment replacements, etc.)</p> <p>14) System hardening program was not included.</p> <p>15) We expect to spend \$34.8 million for distribution overhead asset maintenance in HFTDs in 2023.</p> <p>16) We have approximately 20,000 circuit-miles of overhead distribution in HFTDs.</p>	Holly Wettem	4/25/2023	4/28/2023	4/28/2023	0	NA	8.1.5	Asset Management and Inspection/Emergency Systems	NA
261	CAIPA	Sat WMP-19	CaIPA_Sat WMP-19	3	CaIPA_Sat WMP-19_03	<p>a) State the total costs that PG&amp;E incurred in 2022 for asset inspections and maintenance on covered conductor distribution lines installed in the HFTD.</p> <p>b) State the total number of circuit-miles of covered conductor distribution lines that PG&amp;E had in the HFTD as of January 1, 2022.</p> <p>c) State the total costs that PG&amp;E incurred in 2022 for asset inspections and maintenance on underground distribution lines installed in the HFTD.</p> <p>d) State the total number of circuit-miles of underground distribution lines that PG&amp;E had in the HFTD as of January 1, 2022.</p> <p>e) State the total costs that PG&amp;E incurred in 2022 for asset inspections and maintenance on bare overhead distribution lines installed in the HFTD.</p> <p>f) State the total number of circuit-miles of bare overhead distribution lines that PG&amp;E had in the HFTD as of January 1, 2022.</p>	<p>a) In 2022, we spent \$241 million for asset inspections and maintenance on distribution overhead lines installed in the HFTDs. We do not differentiate costs between covered and bare conductor, so these costs are for all assets in the HFTDs. Further, we only included the maintenance costs associated with general overhead Electric Corrective (EC) Notifications. These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC Notifications. In addition, the costs for our protective asset replacement programs were not included.</p> <p>b) In response to 2022 WMP Discovery, Cal Advocates Q28, Question 3 provided on August 1, 2022, PG&amp;E reported our total overhead distribution circuit-miles as approximately 20,000 in the HFTDs. This data was originally reported in the Quarterly Data Report (QDR), Table 8. Our QDR system is dynamic, "real-time" system that reflects the current assets that we own and service in the HFTDs. The QDR system is dynamic, "real-time" system that reflects the current assets that we own and service in the HFTDs. The QDR system does not include an attribute to distinguish between covered and bare conductor. As a result, we are only able to provide an overall average of circuit-miles of distribution overhead lines installed in the HFTDs.</p> <p>c) In 2022, we spent \$176.5 million for asset inspections and maintenance on underground distribution lines installed in the HFTDs. We do not track whether costs for distribution underground inspection and maintenance occur in HFTD and non-HFTD.</p> <p>d) In response to 2022 WMP Discovery, Cal Advocates Q28, Question 3 provided on August 1, 2022, we reported our total underground distribution circuit-miles as approximately 2,855 in the HFTDs. This data was originally reported in the QDR, Table 8.</p> <p>e) See the response to subpart (a).</p> <p>f) See the response to subpart (b).</p>	Holly Wettem	4/25/2023	4/28/2023	4/28/2023	0	NA	8.1.2	Grid Design, Operations, and Maintenance	Grid Design and System Hardening
261	CAIPA	Sat WMP-19	CaIPA_Sat WMP-19	3a)	CaIPA_Sat WMP-19_03a)	<p>a) State the total costs that PG&amp;E incurred in 2022 for asset inspections and maintenance on covered conductor distribution lines installed in the HFTD.</p> <p>b) State the total number of circuit-miles of covered conductor distribution lines that PG&amp;E had in the HFTD as of January 1, 2022.</p> <p>c) State the total costs that PG&amp;E incurred in 2022 for asset inspections and maintenance on underground distribution lines installed in the HFTD.</p> <p>d) State the total number of circuit-miles of underground distribution lines that PG&amp;E had in the HFTD as of January 1, 2022.</p> <p>e) State the total costs that PG&amp;E incurred in 2022 for asset inspections and maintenance on bare overhead distribution lines installed in the HFTD.</p> <p>f) State the total number of circuit-miles of bare overhead distribution lines that PG&amp;E had in the HFTD as of January 1, 2022.</p>	<p>PG&amp;E is amending subpart 3, a and f of our original response. Although there is not a specific attribute in QDR to distinguish covered and bare conductor, we were able to allow the conductor type codes to differentiate between covered and bare conductors.</p> <p>In 2022, we spent \$241 million for asset inspections and maintenance on distribution overhead lines installed in the HFTDs. We do not differentiate costs between covered and bare conductor, so these costs are for all assets in the HFTDs. Further, we only included the maintenance costs associated with general overhead Electric Corrective (EC) Notifications. These costs are tracked at the Maintenance Activity Type (MAT) level, not detailed by asset type, so we could not extract the costs associated with conductor only EC Notifications. In addition, the costs for our protective asset replacement programs were not included.</p> <p>PG&amp;E utilized the data published in January 2022 for the Energy Safety's Safety Report titled "2022 WMP Discovery, Cal Advocates Q28, Question 3" on August 1, 2022. PG&amp;E reported our total overhead distribution circuit-miles as approximately 20,000 in the HFTDs in January 2022.</p> <p>WMP-Discovery22_08_CalAdvocates_019-0000461 Page 2</p> <p>In 2022, we spent \$176.5 million for asset inspections and maintenance on underground distribution lines installed in the HFTDs. We do not track whether costs for distribution underground inspection and maintenance occur in HFTD and non-HFTD.</p> <p>PG&amp;E utilized the data published in January 2022 for the Energy Safety's Safety Report titled "2022 WMP Discovery, Cal Advocates Q28, Question 3" on August 1, 2022. PG&amp;E reported our total underground distribution circuit-miles as approximately 2,855 in the HFTDs in January 2022.</p> <p>a) See the response to subpart (a).</p> <p>b) PG&amp;E utilized the data published in January 2022 for the Energy Safety's Safety Report titled "2022 WMP Discovery, Cal Advocates Q28, Question 3" on August 1, 2022. PG&amp;E reported our total overhead distribution circuit-miles as approximately 20,000 in the HFTDs in January 2022.</p>	Holly Wettem	4/25/2023	5/10/2023	5/10/2023	0	NA	8.1.2	Grid Design, Operations, and Maintenance	Grid Design and System Hardening
262	CAIPA	Sat WMP-19	CaIPA_Sat WMP-19	4	CaIPA_Sat WMP-19_04	<p>a) In 2023, what is the average per-circuit-mile cost that PG&amp;E expects to incur for vegetation management for overhead distribution lines installed in the HFTD?</p> <p>b) In 2023, what is the average per-circuit-mile cost that PG&amp;E expects to incur for vegetation management for underground distribution lines installed in the HFTD?</p>	<p>a) Based on 2019-2022 data, our cost for vegetation management maintenance systems was approximately \$5,500 per mile. We expect to incur similar costs in 2023. Costs for vegetation management are not tracked separately between HFTD and non-HFTD.</p> <p>b) We do not separately forecast an average per-circuit-mile cost incurred for vegetation management on an underground distribution line.</p>	Holly Wettem	4/25/2023	4/28/2023	4/28/2023	0	NA	8.2	Vegetation Management and Inspections	NA
263	CAIPA	Sat WMP-19	CaIPA_Sat WMP-19	5	CaIPA_Sat WMP-19_05	<p>a) State the total costs that PG&amp;E incurred in 2022 for vegetation management on overhead distribution lines in the HFTD.</p> <p>b) State the total costs that PG&amp;E incurred in 2022 for vegetation management on underground distribution lines in the HFTD.</p>	<p>a) We do not separately track costs incurred in HFTD vs. Non-HFTD for vegetation management on overhead distribution lines.</p> <p>b) We do not separately track costs incurred in HFTD vs. Non-HFTD for vegetation management on underground distribution lines.</p>	Holly Wettem	4/25/2023	4/28/2023	4/28/2023	0	NA	8.2	Vegetation Management and Inspections	NA
264	CAIPA	Sat WMP-19	CaIPA_Sat WMP-19	6	CaIPA_Sat WMP-19_06	<p>a) Please describe the vegetation management activities that PG&amp;E currently undertakes on rights-of-way with underground lines in the HFTD.</p> <p>b) Please describe any changes PG&amp;E plans to make during the 2023-2025 WMP period regarding the vegetation management activities that PG&amp;E plans to undertake on rights-of-way with underground lines in the HFTD.</p> <p>c) Please provide any projects, procedures, or methods that describe PG&amp;E's approach to vegetation management when PG&amp;E has underground lines in the HFTD.</p>	<p>a) Where there are no overhead electric facilities, we do not conduct routine vegetation management activities. As part of GO, the PG&amp;E Safety Inspection program can identify vegetation that is not cleared and maintained for overhead transformers or other typical underground equipment.</p> <p>b) Not applicable.</p> <p>c) Not applicable.</p>	Holly Wettem	4/25/2023	4/28/2023	4/28/2023	0	NA	8.2	Vegetation Management and Inspections	NA
265	CAIPA	Sat WMP-19	CaIPA_Sat WMP-19	7	CaIPA_Sat WMP-19_07	<p>a) Please describe the vegetation management activities that PG&amp;E currently undertakes on rights-of-way with underground lines in the HFTD.</p> <p>b) Please describe any changes PG&amp;E plans to make during the 2023-2025 WMP period regarding the vegetation management activities that PG&amp;E plans to undertake on rights-of-way with underground lines in the HFTD.</p> <p>c) Please provide any projects, procedures, or methods that describe PG&amp;E's approach to vegetation management when PG&amp;E has underground lines in the HFTD.</p>	<p>Pages 454-455 of PG&amp;E's WMP describes PG&amp;E's plan to reduce its backlog of open distribution work orders. As part of this plan, PG&amp;E states that it plans to eliminate the ignition risk backlog by the end of 2023.</p> <p>d) When does PG&amp;E expect to eliminate its backlog of ignition risk distribution work orders that exist outside the HFTD/HFAFD?</p> <p>e) When does PG&amp;E expect to eliminate its backlog of non-ignition risk distribution work orders that exist outside the HFTD/HFAFD?</p>	Holly Wettem	4/25/2023	4/28/2023	4/28/2023	0	NA	8.1.2	Open Work Orders	Open Work Orders - Distribution Tags
266	CAIPA	Sat WMP-19	CaIPA_Sat WMP-19	8	CaIPA_Sat WMP-19_08	<p>a) Please describe the vegetation management activities that PG&amp;E currently undertakes on rights-of-way with underground lines in the HFTD.</p> <p>b) Please describe any changes PG&amp;E plans to make during the 2023-2025 WMP period regarding the vegetation management activities that PG&amp;E plans to undertake on rights-of-way with underground lines in the HFTD.</p> <p>c) Please provide any projects, procedures, or methods that describe PG&amp;E's approach to vegetation management when PG&amp;E has underground lines in the HFTD.</p>	<p>a) Ignition Risk Notifications are maintenance tags that have been determined to have some form of ignition risk as a result of the non-conformance identified on the tag (e.g. conductor or structural support deficient). We currently evaluate a combination of wildfire risk models to calculate the wildfire risk for each notification. Each notification contains one or multiple PG&amp;E Facility Change Action (FCAs) for standards for the associated asset. A team of subject matter experts from Asset Strategy, Wildlife Risk Management, and Bundles/Work Methods reviewed each notification (FCAs) and provided them the following response:</p> <p>1. No - Not ignition risk. This FCA has no probability of ignition.</p> <p>2. Yes - Ignition risk and then response to associated wildfire risk model (specific: Conductor composite model, support equipment failure model, vegetation composite model). Then the associated wildfire risk score is calculated for the area based on the assigned risk model.</p> <p>Any notification with a greater than zero wildfire risk score is considered an ignition risk notification.</p> <p>b) Yes, there are some instances where a non-ignition risk tag can cause a public safety hazard. However, the communications of these issues identified do not comply with what could lead to a public safety hazard, which would WMP-Discovery22_08_CalAdvocates_019-0000461 Page 2 lead to a much larger public safety issue. The most common example of a non-ignition tag would be missing high voltage signs. While this has some public safety hazard associated with awareness of high voltage signs around our lines, these do not pose a direct threat to the public safety of our assets located near the public.</p> <p>c) Missing high voltage signs, missing visibility signs, missing work signs, missing safety signs, and missing safety signs that need to be removed are examples of non-ignition risk tags that could potentially pose a public safety hazard. However, given the wildfire probabilities, we cannot point to every single circumstance that can pose a public safety hazard.</p>	Holly Wettem	4/25/2023	4/28/2023	4/28/2023	0	NA	8.1.2.1	Open Work Orders	Open Work Orders - Distribution Tags
267	CAIPA	Sat WMP-19	CaIPA_Sat WMP-19	9	CaIPA_Sat WMP-19_09	<p>a) PG&amp;E's WMP includes an external study that stated, "For the weather patterns, it may be necessary to position additional weather stations in canyons and other regions where short-term winds can rapidly change direction." In response to this report, has PG&amp;E assessed the need to position additional weather stations in canyons and other regions where short-term winds can rapidly change direction?</p> <p>b) If the answer to part (a) is yes, please describe the results of any such assessment.</p> <p>c) In the 2023-2025 period, does PG&amp;E plan to assess or continue assessing the need to position additional weather stations in canyons and other regions where short-term winds can rapidly change direction?</p>	<p>a) We assess the need to position weather stations in canyons, but not specifically in response to this report. The external report did not specify locations on canyons and other localized locations. Therefore, we currently evaluate the need for additional weather stations during each year of the program and install weather stations where appropriate.</p> <p>b) Please see the response to part (a). The type of new weather station locations is a result of the program and is a unique assessment that can be done.</p> <p>c) Yes, this is part of our routine program.</p>	Holly Wettem	4/25/2023	4/28/2023	4/28/2023	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-10 - Justification of Weather Station Network Density
268	CAIPA	Sat WMP-19	CaIPA_Sat WMP-19	10	CaIPA_Sat WMP-19_10	<p>a) The statement referenced was to simply point out that the System Hardening Program is made up of a suite of mitigation strategies including Covered Conductor, Bundle, Grid, Renewal, and Underground. The costs associated with each of these programs are not bundled into similar categories for only the overhead hardening portion of our System Hardening Program. There are additional costs associated with overhead hardening that were not included in Table PG&amp;E-22-11.3.</p> <p>b) For each item in Table PG&amp;E-22-11.3, including the statements noted in part (a), please provide a brief description of the work and materials that are included in each component.</p>	<p>a) The statement referenced was to simply point out that the System Hardening Program is made up of a suite of mitigation strategies including Covered Conductor, Bundle, Grid, Renewal, and Underground. The costs associated with each of these programs are not bundled into similar categories for only the overhead hardening portion of our System Hardening Program. There are additional costs associated with overhead hardening that were not included in Table PG&amp;E-22-11.3.</p> <p>b) For each item in Table PG&amp;E-22-11.3, including the statements noted in part (a), please provide a brief description of the work and materials that are included in each component.</p>	Holly Wettem	4/25/2023	4/28/2023	4/28/2023	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-11 - Covered Conductor Effectiveness Lessons Learned
269	CAIPA	Sat WMP-19	CaIPA_Sat WMP-19	11	CaIPA_Sat WMP-19_11	<p>a) PG&amp;E's WMP includes an external study that stated, "For the weather patterns, it may be necessary to position additional weather stations in canyons and other regions where short-term winds can rapidly change direction." In response to this report, has PG&amp;E assessed the need to position additional weather stations in canyons and other regions where short-term winds can rapidly change direction?</p> <p>b) If the answer to part (a) is yes, please describe the results of any such assessment.</p> <p>c) In the 2023-2025 period, does PG&amp;E plan to assess or continue assessing the need to position additional weather stations in canyons and other regions where short-term winds can rapidly change direction?</p>	<p>a) No, there is no threshold in SVSRSE that we use to determine that covered conductor is more suitable mitigation than underground. SVSRSE helps provide rating of locations which have higher risk versus utility to mitigate wildfire risk compared to other locations and is used to assess risk to underground. The costs associated with each of these programs are not bundled into similar categories for only the overhead hardening portion of our System Hardening Program. There are additional costs associated with overhead hardening that were not included in Table PG&amp;E-22-11.3.</p> <p>b) No, there is no currently a threshold of SVSRSE that we use to determine that covered conductor is more suitable mitigation than underground. In these studies, the amount of residual risk is already reduced, while covered conductor does not fully reduce the risk.</p> <p>c) The statement referenced was to simply point out that the System Hardening Program is made up of a suite of mitigation strategies including Covered Conductor, Bundle, Grid, Renewal, and Underground. The costs associated with each of these programs are not bundled into similar categories for only the overhead hardening portion of our System Hardening Program. There are additional costs associated with overhead hardening that were not included in Table PG&amp;E-22-11.3.</p> <p>d) SVSRSE is one of the first steps in identifying risks for Underground. When we scope a location for underground, we conduct a detailed risk assessment for consideration beyond wildfire. For example, there is potential for multiple EP&amp;S impacts on top of the existing wildfire risk that may require adjacent circuit segments, we will consider expanding the scope of the underground project to address these needs. Additionally, there are other cases in which we may need to expand for EP&amp;S.</p>	Holly Wettem	4/25/2023	4/28/2023	4/28/2023	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-34 - Review Process of Powering Wildlife Warnings

270	CAIQA	Sat WMP-19	CaIQA_Sat WMP-19_13	12	CaIQA_Sat WMP-19_13	12	<p>Abatement 1) PG&amp;E's response to data request CaIQA/CAIQA-POE-2023WMP-14 states that on November 18, 2023 an intrusion inspection indicated that a pole had 18% remaining strength. On January 14, 2024, the report issued a priority E log to replace the pole by January 13, 2024.</p> <p>1) Why was the log for the above pole created approximately two months after the initial finding?</p> <p>2) Describe any actions that PG&amp;E took between November 18, 2019 and January 14, 2024 to address the safety of the pole noted above.</p> <p>3) Why was the log created with a one-year deadline based on the log creation date, rather than a deadline based on the date of the initial finding?</p> <p>4) Under PG&amp;E's current procedures and process, is the compliance deadline for a new log based on the log creation date or the date of the initial finding? Please explain your answer.</p> <p>5) Was a priority E log the appropriate priority level in this instance? Why or why not?</p>	<p>1) PG&amp;E's response to data request CaIQA/CAIQA-POE-2023WMP-14 states that on November 18, 2023 an intrusion inspection indicated that a pole had 18% remaining strength. On January 14, 2024, the report issued a priority E log to replace the pole by January 13, 2024.</p> <p>1) Why was the log for the above pole created approximately two months after the initial finding?</p> <p>2) Describe any actions that PG&amp;E took between November 18, 2019 and January 14, 2024 to address the safety of the pole noted above.</p> <p>3) Why was the log created with a one-year deadline based on the log creation date, rather than a deadline based on the date of the initial finding?</p> <p>4) Under PG&amp;E's current procedures and process, is the compliance deadline for a new log based on the log creation date or the date of the initial finding? Please explain your answer.</p> <p>5) Was a priority E log the appropriate priority level in this instance? Why or why not?</p>	Holly Wetman	4252023	4282023	4282023	0	NA	8.1.3.2.3	Asset Inspections	Intensive Pole Inspections
271	CAIQA	Sat WMP-19	CaIQA_Sat WMP-19_13	13	CaIQA_Sat WMP-19_13	13	<p>The PG&amp;E Independent Safety Member Status Review by Fluor Energy Partners on October 4, 2022, pages 9 states:</p> <p>During the control, the ISM reviewed data provided by PG&amp;E related to PG&amp;E's Underground Transmission asset and the average age of certain PG&amp;E Underground Transmission assets. For example, 62% of one type of underground transmission cable is beyond its useful life (UL).</p> <p>Footnote 18 states, "Internal PG&amp;E Report."</p> <p>Pages 10 of the ISM report further states, "PG&amp;E also states in an internal report published in May 2022 that underground transmission provides a low-risk score."</p> <p>1) Please provide a copy of the internal PG&amp;E report referenced in footnote 18.</p> <p>2) Please include a copy of the internal PG&amp;E report referenced in footnote 18.</p>	<p>The PG&amp;E Independent Safety Member Status Review by Fluor Energy Partners on October 4, 2022, pages 9 states:</p> <p>During the control, the ISM reviewed data provided by PG&amp;E related to PG&amp;E's Underground Transmission asset and the average age of certain PG&amp;E Underground Transmission assets. For example, 62% of one type of underground transmission cable is beyond its useful life (UL).</p> <p>Footnote 18 states, "Internal PG&amp;E Report."</p> <p>Pages 10 of the ISM report further states, "PG&amp;E also states in an internal report published in May 2022 that underground transmission provides a low-risk score."</p> <p>1) Please provide a copy of the internal PG&amp;E report referenced in footnote 18.</p> <p>2) Please include a copy of the internal PG&amp;E report referenced in footnote 18.</p>	Holly Wetman	4252023	4282023	4282023	1	NA	8.1.2.5	Grid Design and System Hardening	Traditional Overhead Hardening -Transmission Conductor and Distribution
272	CAIQA	Sat WMP-19	CaIQA_Sat WMP-19_14	14	CaIQA_Sat WMP-19_14	14	<p>On April 10, 2023, CalAdvocates met with a Senior Director of Grid Resilience Innovation and Development at PG&amp;E. During this meeting, PG&amp;E stated that REFC is not a viable product.</p> <p>1) Does the above statement accurately reflect PG&amp;E's current assessment of REFC? Please explain your answer.</p> <p>2) If the answer is part (a) is yes, please state all the reasons why PG&amp;E believes REFC is not a viable product.</p>	<p>On April 10, 2023, CalAdvocates met with a Senior Director of Grid Resilience Innovation and Development at PG&amp;E. During this meeting, PG&amp;E stated that REFC is not a viable product.</p> <p>1) Does the above statement accurately reflect PG&amp;E's current assessment of REFC? Please explain your answer.</p> <p>2) If the answer is part (a) is yes, please state all the reasons why PG&amp;E believes REFC is not a viable product.</p>	Holly Wetman	4252023	4282023	4282023	0	NA	8.1.1.1.1	Grid Design, Operations, and Maintenance	8.1.1.1.1 Rapid Earth Fault Current Limiter
273	CAIQA	Sat WMP-19	CaIQA_Sat WMP-19_15	15	CaIQA_Sat WMP-19_15	15	<p>1) Has PG&amp;E performed a study to estimate the combined effectiveness of one or more combinations of covered conductor (CC), EPSS, DC0, P-0, and REFC in mitigating wildfires, when installed on distribution circuits in the WFO?</p> <p>2) If the answer is part (a) is no, please explain why not.</p> <p>3) If the answer is part (a) is yes, please explain the results of PG&amp;E's estimate.</p> <p>4) If the answer is part (a) is no, please explain why not.</p> <p>5) If the answer is part (a) is yes, please provide the results of any such study, including any reports, worksheets, the knowledge, experience, and data regarding how these tools would work to mitigate wildfire risk.</p> <p>6) If the answer is part (a) is yes, please provide the results of any such study, including any reports, worksheets, the knowledge, experience, and data regarding how these tools would work to mitigate wildfire risk.</p>	<p>1) Has PG&amp;E performed a study to estimate the combined effectiveness of one or more combinations of covered conductor (CC), EPSS, DC0, P-0, and REFC in mitigating wildfires, when installed on distribution circuits in the WFO?</p> <p>2) If the answer is part (a) is no, please explain why not.</p> <p>3) If the answer is part (a) is yes, please explain the results of PG&amp;E's estimate.</p> <p>4) If the answer is part (a) is no, please explain why not.</p> <p>5) If the answer is part (a) is yes, please provide the results of any such study, including any reports, worksheets, the knowledge, experience, and data regarding how these tools would work to mitigate wildfire risk.</p> <p>6) If the answer is part (a) is yes, please provide the results of any such study, including any reports, worksheets, the knowledge, experience, and data regarding how these tools would work to mitigate wildfire risk.</p>	Holly Wetman	4252023	4282023	4282023	0	NA	8.1.2	Grid Design and System Hardening	Vegetation
274	CAIQA	Sat WMP-19	CaIQA_Sat WMP-19_16	16	CaIQA_Sat WMP-19_16	16	<p>Table 7 page 20 of the Joint IOU Covered Conductor Working Group Report by SCE's estimate of the combined effectiveness of a covered conductor program, asset inspections, and several vegetation management activities (EPSS, DC0, P-0, and REFC) in mitigating wildfires, when installed on distribution circuits in the WFO?</p> <p>1) Has PG&amp;E performed a similar estimate of the combined effectiveness of covered conductor, asset inspections, and vegetation management activities in mitigating wildfires, when installed on distribution circuits in the WFO?</p> <p>2) If the answer is part (a) is no, please explain why not.</p> <p>3) If the answer is part (a) is yes, please explain why not.</p> <p>4) If the answer is part (a) is yes, please explain why not.</p>	<p>Table 7 page 20 of the Joint IOU Covered Conductor Working Group Report by SCE's estimate of the combined effectiveness of a covered conductor program, asset inspections, and several vegetation management activities (EPSS, DC0, P-0, and REFC) in mitigating wildfires, when installed on distribution circuits in the WFO?</p> <p>1) Has PG&amp;E performed a similar estimate of the combined effectiveness of covered conductor, asset inspections, and vegetation management activities in mitigating wildfires, when installed on distribution circuits in the WFO?</p> <p>2) If the answer is part (a) is no, please explain why not.</p> <p>3) If the answer is part (a) is yes, please explain why not.</p> <p>4) If the answer is part (a) is yes, please explain why not.</p>	Holly Wetman	4252023	4282023	4282023	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	AG PG&E-22-11 - Covered Conductor Effectiveness Lessons Learned
275	CAIQA	Sat WMP-20	CaIQA_Sat WMP-20_01	1	CaIQA_Sat WMP-20_01	1	<p>1) Describe PG&amp;E's standard practice for retiring an asset from service.</p> <p>2) Describe how PG&amp;E records the retirement of an asset from service.</p>	<p>1) Describe PG&amp;E's standard practice for retiring an asset from service.</p> <p>2) Describe how PG&amp;E records the retirement of an asset from service.</p>	Holly Wetman	4292023	5302023	5302023	1	NA	8.1.5	Asset Management and Inspection Enterprise Systems	NA
276	CAIQA	Sat WMP-20	CaIQA_Sat WMP-20_02	2	CaIQA_Sat WMP-20_02	2	<p>1) In 2022, as part of its WMP system hardening activities, did PG&amp;E retire from service (i.e., retire, remove, destroy, or decommission) any assets that had not been decommissioned at the time of retirement?</p> <p>2) Please describe how PG&amp;E records the retirement of assets during 2022 system hardening activities.</p>	<p>1) In 2022, as part of its WMP system hardening activities, did PG&amp;E retire from service (i.e., retire, remove, destroy, or decommission) any assets that had not been decommissioned at the time of retirement?</p> <p>2) Please describe how PG&amp;E records the retirement of assets during 2022 system hardening activities.</p>	Holly Wetman	4292023	5302023	5302023	0	NA	8.1.2	Grid Design and System Hardening	All
277	CAIQA	Sat WMP-20	CaIQA_Sat WMP-20_03	3	CaIQA_Sat WMP-20_03	3	<p>1) In 2022, as part of its WMP system hardening activities, did PG&amp;E retire from service (i.e., retire, remove, destroy, or decommission) any assets that are not fully depreciated at the time of retirement?</p> <p>2) Please describe how PG&amp;E records the retirement of assets during 2022 system hardening activities.</p>	<p>1) In 2022, as part of its WMP system hardening activities, did PG&amp;E retire from service (i.e., retire, remove, destroy, or decommission) any assets that are not fully depreciated at the time of retirement?</p> <p>2) Please describe how PG&amp;E records the retirement of assets during 2022 system hardening activities.</p>	Holly Wetman	4292023	5302023	5302023	0	NA	8.1.2	Grid Design and System Hardening	All
278	CAIQA	Sat WMP-20	CaIQA_Sat WMP-20_04	4	CaIQA_Sat WMP-20_04	4	<p>What is PG&amp;E's standard practice for backing assets that are retired from service before they are fully depreciated?</p>	<p>What is PG&amp;E's standard practice for backing assets that are retired from service before they are fully depreciated?</p>	Holly Wetman	4292023	5302023	5302023	0	NA	8.1.5	Asset Management and Inspection Enterprise Systems	NA
279	CAIQA	Sat WMP-20	CaIQA_Sat WMP-20_05	5	CaIQA_Sat WMP-20_05	5	<p>1) PG&amp;E retires from service an asset that has not been fully depreciated; does it remove the remaining undepreciated value of the asset from its site base?</p> <p>2) How does PG&amp;E determine the remaining undepreciated value of an asset at the time the asset is retired from service?</p> <p>3) Please describe any scenario in which PG&amp;E would retire from service an asset that has not been fully depreciated, but would keep the remaining undepreciated value of the asset in its site base.</p>	<p>1) PG&amp;E retires from service an asset that has not been fully depreciated; does it remove the remaining undepreciated value of the asset from its site base?</p> <p>2) How does PG&amp;E determine the remaining undepreciated value of an asset at the time the asset is retired from service?</p> <p>3) Please describe any scenario in which PG&amp;E would retire from service an asset that has not been fully depreciated, but would keep the remaining undepreciated value of the asset in its site base.</p>	Holly Wetman	4292023	5302023	5302023	0	NA	8.1.5	Asset Management and Inspection Enterprise Systems	NA
280	CAIQA	Sat WMP-20	CaIQA_Sat WMP-20_06	6	CaIQA_Sat WMP-20_06	6	<p>1) As of the date of this data request, does PG&amp;E's site base currently include any portion of the value of any assets that are longer in service?</p> <p>2) If the answer is part (a) is yes, please explain why.</p> <p>3) If the answer is part (a) is no, please explain why.</p> <p>4) If the answer is part (a) is no, please explain why.</p>	<p>1) As of the date of this data request, does PG&amp;E's site base currently include any portion of the value of any assets that are longer in service?</p> <p>2) If the answer is part (a) is yes, please explain why.</p> <p>3) If the answer is part (a) is no, please explain why.</p> <p>4) If the answer is part (a) is no, please explain why.</p>	Holly Wetman	4292023	5302023	5302023	0	NA	8.1.5	Asset Management and Inspection Enterprise Systems	NA
281	CAIQA	Sat WMP-20	CaIQA_Sat WMP-20_07	7	CaIQA_Sat WMP-20_07	7	<p>In response to data request CaIQA/CAIQA-POE-2023WMP-14, questions 20-22, PG&amp;E stated, "We cannot provide the requested data. Our asset registry and work execution systems are not set up to enable this cross-referenced data compilation, and we do not track the volume of assets retired that have not been fully depreciated."</p> <p>1) Please explain what is meant by the statement, "Our asset registry and work execution systems are not set up to enable this cross-referenced data compilation."</p> <p>2) PG&amp;E asks to determine the number of assets that have not been fully depreciated that retired from service as part of its 2020-2022 WMP activities?</p> <p>3) PG&amp;E asks to determine the total remaining undepreciated value of assets that it retired from service as part of its 2020-2022 WMP activities?</p>	<p>In response to data request CaIQA/CAIQA-POE-2023WMP-14, questions 20-22, PG&amp;E stated, "We cannot provide the requested data. Our asset registry and work execution systems are not set up to enable this cross-referenced data compilation, and we do not track the volume of assets retired that have not been fully depreciated."</p> <p>1) Please explain what is meant by the statement, "Our asset registry and work execution systems are not set up to enable this cross-referenced data compilation."</p> <p>2) PG&amp;E asks to determine the number of assets that have not been fully depreciated that retired from service as part of its 2020-2022 WMP activities?</p> <p>3) PG&amp;E asks to determine the total remaining undepreciated value of assets that it retired from service as part of its 2020-2022 WMP activities?</p>	Holly Wetman	4292023	5302023	5302023	0	NA	8.1	Grid Design, Operations, and Maintenance	Distribution Pole and Replacements Traditional Overhead Hardening Transformers







310	TURN	011	TURN_011	2	TURN_011_Q2	<p>1) See confidential attachment to being provided pursuant to a signed NDA with PG&amp;E.</p> <p>2) See PG&amp;E's undergrounding schedule, "2023-04-08_PG_E_2023_WMP_R1_Required D-ACI PG&amp;E-22-19_ADDENDUM".</p> <p>3) Please add a column that provides the unique circuit segment identifier requested in 1B) above.</p> <p>4) Please add a column to the spreadsheet that provides the total wildfire risk of each circuit segment as calculated by WDRMA.</p> <p>5) Please add a column to the spreadsheet that provides the total wildfire risk of each circuit segment as calculated by WDRMA2.</p> <p>6) Please add a column that provides the total overhead circuit miles of each circuit segment.</p> <p>7) Please explain why PG&amp;E seeks circuit segments to "move risk" rather than total risk of each segment.</p> <p>8) Please add a column to the spreadsheet that provides the baseline cost of undergrounding miles (with WFAAA).</p> <p>9) Column 9 updates the "feasibility score by CPZ" which is defined in the definition table as a "Cost multiplier indicating the difficulty of undergrounding the circuit segment (Critical Protection Zone (CPZ))."</p> <p>10) Please explain what the multiplier is applied to. For example, when is the baseline cost of undergrounding per mile multiplier of 1.0 for 2023, 2024, 2025, and 2026, respectively?</p> <p>11) Please provide an explanation of how the multiplier is used to estimate costs. For example, if a CPZ has a feasibility score of 2.0, what is the estimated multiplier cost? Please explain and provide the calculation for this example.</p> <p>12) Please provide the estimates provided relative to the schedule for 2023-2026, if any. Please provide a table that explains how it is calculated, and total. Please provide all supporting worksheets and calculations in Excel. Please provide recorded 2022 cost data for undergrounding miles shown here.</p>	Tom Long	5/1/2023	5/8/2023	5/8/2023	<p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p>	3	Yes	Appendix D	Appendix D - Areas for Continued Improvement	AGI PG&E-22-18 - Progress and Updates on Undergrounding Risk Prioritization
311	TURN	011	TURN_011	3	TURN_011_Q3	<p>1) Regarding DR response TURN1 attachment, "WMP_Discovery2023_DR_TURN_007-000-000-000-CONF-add". Please add a column to the spreadsheet for the "PG&amp;E LC WDRMA-2023-22_CONF" with the unique identifier for each circuit segment provided in 1B) and 2B) above.</p> <p>2) Please provide the supporting data for "PG&amp;E LC WDRMA-2023-22_CONF" column header "HF WFE Score". The formula looks up a value in a confidential data request sent to Cal P&amp;A, please explain in Excel how the formula is calculated.</p> <p>3) Please provide the estimates provided relative to the schedule for 2023-2026, if any. Please provide a table that explains how it is calculated, and total. Please provide all supporting worksheets and calculations in Excel. Please provide recorded 2022 cost data for undergrounding miles shown here.</p>	Tom Long	5/1/2023	5/8/2023	5/8/2023	<p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distributor
312	TURN	011	TURN_011	4	TURN_011_Q4	<p>1) Regarding Attachment 2023-04-08_PG_E_2023_WMP_R2_Section 4.2_ADDENDUM, an earlier version of which is referenced on page 16, 17 of the WMP (011).</p> <p>2) Please add a column to the spreadsheet and provide the unique circuit segment identifier requested in 1B) above and 2B) above.</p> <p>3) In Excel, please provide all supporting data and property risk calls in this spreadsheet to support the "integrated risk" calculations in the "Data_Risk" columns, G, H, and I for undergrounding. Many of them do not have PG&amp;E's internal nomenclatures.</p> <p>4) Please define and explain the following column headers on the "Data_Risk" tab: "weighted_component_for_system_hardening_wdrma_risk_mitigation".</p> <p>5) Baseline wildfire risk (and please indicate if this is the same as the WDRMA risk).</p> <p>6) "HF/D-Mileage" risk (and overhead circuit miles, please add a column to the spreadsheet that provides overhead circuit miles for each circuit segment).</p> <p>7) Please explain how and whether PG&amp;E has incorporated an overhead-to-underground conversion ratio in the calculation of mitigated risk. Please provide cell references for where it is incorporated.</p> <p>8) Please confirm that the sum of risk mitigated for undergrounding in 2023, 2024, and 2025, is 2,321 miles, which represents 10 percent of baseline wildfire risk.</p> <p>9) If confirmed, please provide a corrected calculation, and an explanation of the percentage of wildfire risk mitigated by undergrounding indicated by this calculation, and the percentage of wildfire risk mitigated by undergrounding indicated by this calculation. Please explain why PG&amp;E is not using wildfire risk by 10 percent through its undergrounding program 2023-2026? Please explain why you did not.</p> <p>10) If PG&amp;E disagrees with the 10 percent figure, please provide the correct percentage of wildfire risk PG&amp;E expects to mitigate through its undergrounding program 2023-2026.</p> <p>11) Please provide all supporting worksheets, calculations, and assumptions in Excel.</p>	Tom Long	5/1/2023	5/8/2023	5/8/2023	<p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p>	1	NA	6.4.2	Risk Methodology and Assessment	Top Risk Contributing Circuits/Segments
313	CaPA	Set WMP-22	CaPA_Set WMP-22	1	CaPA_Set WMP-22_Q1	<p>During the plan development portion of the Grid Operation, Design, and Maintenance session of the WMP workshop held on April 27, 2023, PG&amp;E estimated that, during wildfire season (May through November) in 2022, EPSS was installed on approximately 40% of circuit days.</p> <p>1) In the above estimate, correct? If not, please provide an estimate of the percentage of circuit days that EPSS was installed during fire season in 2022.</p> <p>2) Does PG&amp;E have a forecast of the percentage of circuit days that EPSS will be installed during fire season in 2023?</p> <p>3) Please define "circuit days."</p>	Holy Waterman	5/2/2023	5/5/2023	5/5/2023	<p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p>	0	NA	8.1.8.1.1	Grid Design and System Hardening	Protective Equipment and Device Settings
314	CaPA	Set WMP-22	CaPA_Set WMP-22	2	CaPA_Set WMP-22_Q2	<p>During the O&amp;A portion of the Grid Operation, Design, and Maintenance session of the WMP workshop held on April 27, 2023, a call for raised concerns about the feasibility of undergrounding in rocky and steep terrain and in wetlands. In response, PG&amp;E stated that it was evaluating tools and techniques to perform undergrounding in those areas.</p> <p>Regarding undergrounding in areas with steep and rocky terrain:</p> <p>a) Please list and describe the current obstacles or challenges to undergrounding in rocky and steep terrain?</p> <p>b) What tools and techniques is PG&amp;E evaluating to improve the feasibility of undergrounding in rocky and steep terrain?</p> <p>1) What is PG&amp;E's estimate of the current unit cost of undergrounding in rocky and steep terrain?</p> <p>2) Please state whether the unit cost provided in response to part (a) is based on mileage of overhead circuits removed or mileage of undergrounding circuits installed.</p> <p>3) Regarding the unit cost given in response to part (c) of this question, when does PG&amp;E expect to be able to reduce the unit cost to less than \$12 million per mile?</p> <p>4) Of the WMP undergrounding projects that PG&amp;E plans to execute in 2023-2024, do you include installing a significant amount (greater than 1 mile) of underground conductor in rocky and steep terrain?</p> <p>5) If the answer to part (f) is yes, please list each such project.</p>	Holy Waterman	5/2/2023	5/5/2023	5/5/2023	<p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distributor
315	CaPA	Set WMP-22	CaPA_Set WMP-22	3	CaPA_Set WMP-22_Q3	<p>During the O&amp;A portion of the Grid Operation, Design, and Maintenance session of the WMP workshop held on April 27, 2023, a call for raised concerns about the feasibility of undergrounding in rocky and steep terrain and in wetlands. In response, PG&amp;E stated that it was evaluating tools and techniques to perform undergrounding in those areas.</p> <p>Regarding undergrounding in wetland areas:</p> <p>a) Please list and describe the current obstacles or challenges to undergrounding in wetlands.</p> <p>1) What tools and techniques is PG&amp;E evaluating to improve the feasibility of undergrounding in wetlands?</p> <p>2) What is PG&amp;E's estimate of the current unit cost of undergrounding in wetland areas?</p> <p>3) Please state whether the unit cost provided in response to part (a) is based on mileage of overhead circuits removed or mileage of undergrounding circuits installed.</p> <p>4) Regarding the unit cost given in response to part (c) of this question, when does PG&amp;E expect to be able to reduce the unit cost to less than \$12 million per mile?</p> <p>5) Of the WMP undergrounding projects that PG&amp;E plans to execute in 2023-2024, do you include installing a significant amount (greater than 1 mile) of underground conductor in wetlands?</p> <p>6) If the answer to part (f) is yes, please list each such project.</p>	Holy Waterman	5/2/2023	5/5/2023	5/5/2023	<p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p> <p><a href="https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule">https://www.pge.com/web/pge_public/undergrounding/undergrounding-work-schedule</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distributor









340	OESIS		004	OESIS_004	14	OESIS_004_014	<p>a. Date as of May 4th, 2023 for 2022/2023 DCO Outages  17 outages have occurred with DCO mitigation measures.</p> <p>b. The table below tracks outage causes to the Ignition Drivers used in Table 6 of the 2022 Q4 Quarterly Data Report.</p> <p>c. DCO is an additional protection element to part of EPSS. PG&amp;E will enable DCO to operate wherever EPSS is enabled to help prevent current fault conditions.</p> <p>d. 4,732,294 Miles.</p> <p>e. DCO outages and circuits are already considered in our existing EPSS Reliability Program. Specific to DCO, PG&amp;E is adding more DCO assets across on circuits to where feasible, increase identification of DCO devices on circuits to where feasible, increase vegetation point area while maintaining the ignition threshold benefit. Furthermore, the cause of protection causes DCO outages, or with multiple DCO outages on a single device, or any other type of system protection element contact results in one of the protection settings of these devices.</p> <p>f. Date as of May 4th, 2023 for 2022/2023 Partial Voltage Force Outages (PVFO):  133 outages have occurred from PVFO.</p> <p>g. The number of outages broken down by cause based on ignition drivers listed in Table 6 of the QDR that occurred due to PVFO in 2022 is shown below:  WMP-Discovery2023_DR_OESIS_004-Q01 Page 3</p> <p>h. Partial Voltage Force Out is a manual action taken by a distribution control center in response to more than one partial voltage alarm detected at the bus level or above.</p> <p>i. 8,048,571 miles.</p> <p>j. These circuits are included in the scope of PG&amp;E's existing EPSS Reliability Mitigation programs. In addition, PG&amp;E's PV alarm configuration is designed to prevent nuisance alerts from transient conditions by sending the distribution control center operator a PV alarm when multiple meters aggregating to a bus level indicate a partial voltage condition, and further we will clear PV alarms if normal voltage returns.</p> <p>k. Yes, a "DCD outage" or an EPSS outage. PG&amp;E also evaluates PVFO outages. PG&amp;E regularly updates its models to account the most recent developments.</p> <p>PG&amp;E does not use a "risk-informed prioritization" when selecting wildfire mitigations. At the time of the 2023 WMP, PG&amp;E and staff are in the process of having begun developing a list of proposed mitigations by analyzing risk events, risk drivers, and consequences. Subject to and without limiting these objectives, PG&amp;E reasons as follows:</p> <p>1. Please see attachment "WMP-Discovery2023_DR_OESIS_004-Q01A4401.pdf". This decision tree reflects the process we followed to further analyze our highest risk underpinning circuits included in the WMP. The process, as shown on the decision tree attachment and described below, is split into four key phases:  1. Critical Segment Risk Ranking (based on First position circuit segments in the locations where wildfire risk is the highest based on the latest wildfire distribution risk model currently in use);  2. Circuit Selection Prioritization Process (due to time). Then identify potential environmental conditions that may affect wildfire feasibility efficiency (WFE) by circuit segment to provide understanding in the locations where WFE is the highest.  3. Feasibility Study (green boxes): First, we confirm the segment identified is not already completed or included in existing work. Then, engineers review available opportunities to improve efficiency and mitigate additional impacts, including adjusting the project schedule to mitigate PSPS or EPSS impacts, determining if undergrounding is a desirable risk mitigation alternative such as overhead, remove grid or hybrid, and confirming if there are any recent changes to electric assets.  4. Field Scoping (orange boxes): Field scoping then takes place, which is focused on identifying opportunities in the proposed project scope and determining if a route or scope change is needed. If so, an alternative route is developed. Then, an sequence based route is developed through the planning phase of work.  5. As discussed in the 2023 WMP Pg. 306, PG&amp;E evaluated the statistical significance of the proposed PSPS alternatives and determined the Division continues to use the 2023 WMP for project selection using the formula below:</p> <p>2022  WMP-Discovery2023_DR_OESIS_004-Q01 Page 2  WMP-Discovery2023_DR_OESIS_004-Q01 Page 3</p> <p>2023  WMP-Discovery2023_DR_OESIS_004-Q01 Page 2  WMP-Discovery2023_DR_OESIS_004-Q01 Page 3</p> <p>PG&amp;E is currently conducting risk analysis on each circuit segment based on the 2023 WDRM-2 and the 2023 WDRM-3. Please note, for the 2022 WDRM-3, the entire CPZ may not be accepted in the worksheet. However, for the 2023 WMP, please reference "WMP-Discovery2023_DR_OESIS_004-Q01A10101 CONF.xlsx" for the project worksheet of the underpinning scope for 2023/2024 with risk scores from G1 (lowest risk) and G2 (lowest risk) provided. Applicable Risk Model (column M), indicates if the project was selected based on WDRM-2 or WDRM-3.</p> <p>For the 2022 WMP, please reference attachment "WMP-Discovery2023_DR_OESIS_004-Q01A10101 CONF.xlsx". Please reference column I.</p> <p>PG&amp;E has already the forecasted miles by 2023, and 2024-2026, respectively PG&amp;E will add the risk scores from G1 (lowest risk) and G2 (lowest risk) to the originally approved 2022 WMP Underpinning section.</p> <p>Some circuit segments that are in total risk score category in WDRM-2 (column A) when these projects were not in a WFTD and therefore were not included in the WDRM-3 (i.e., projects in WFTD and commonly related projects).</p> <p>WMP-Discovery2023_DR_OESIS_004-Q01 Page 2</p> <p>The following items mitigation measures are used as on-going wildfire safety work on all assets in WFTD areas, including those scoped for underpinning in the future:</p> <ol style="list-style-type: none"> <li>Using enhanced positive safety safety settings (EPSS) that automatically turn off power within one-third of a second if a wildfire threat is detected.</li> <li>Deploying EPSS to reduce wildfire risk during extreme weather conditions while reducing impacts from PSPS through targeted grid modernization and configuration in more impacted areas, thereby increasing circuit strength for conditions that are not directly related.</li> <li>Considering asset inspections and repair, and vegetation management.</li> </ol> <p>At the time of this WMP and throughout the worksheet (starting January 1, 2023, we did not have any projects planned in 2023. Based on continued scoping of additional safety underpinning projects, the projects completed to date are <a href="http://www.sdsds.com/projects/underpinning_projects.html">www.sdsds.com/projects/underpinning_projects.html</a>.</p>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a> <a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a> <a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a> <a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a>	0	NA	8.1.2.10.1	Grid Design and System Hardening	Drewner Contactor Detection Device
341	OESIS		004	OESIS_004	15	OESIS_004_015	<p>Regarding Feasibility Constraints</p> <p>PG&amp;E reasonably expects that if a set of feasibility constraints impact the decision making of a Wildfire Governance Steering Committee in selecting a portfolio of mitigation measures that deviates from risk informed process. This includes:</p> <ul style="list-style-type: none"> <li>A threshold or explanation of decision-making as processed by the Wildfire Governance Steering Committee.</li> <li>The correlation between the V3 risk outputs and WFE</li> <li>The correlation between WFE and feasibility</li> <li>Any associated shifts in prioritization due to implementing feasibility constraints</li> <li>A review of any projects not included within IG scope due to feasibility constraints</li> </ul>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a> <a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a> <a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-24-34 - Review Process of Prioritizing Wildfire Mitigations
342	OESIS		004	OESIS_004	16	OESIS_004_016	<p>Regarding Formulas and Calculations used by PG&amp;E to determine the effectiveness of EPSS.</p> <p>1. Provide analysis demonstrating adequate coverage between EPSS risk and wildfire risk to ensure PG&amp;E's mitigations are directly addressing wildfire risk compared to reliability.</p> <p>2. Provide PG&amp;E's rationale for ensuring EPSS-derived mitigation measures, including safety and work from behind around from wildfire risk mitigation. This should also include asset management related mitigations.</p>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a> <a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a> <a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a>	2	NA	8.1.8.1.1	Grid Design, Operations, and Maintenance	Protective Equipment and Device Settings
343	OESIS		004	OESIS_004	17	OESIS_004_017	<p>Regarding PG&amp;E Underpinning Program</p> <p>1. Provide the completed V3 and G2 risk scores of the 2022 WMP vs 2023 WMP underpinning scope for 2023/2024. This should not include nor account for feasibility.</p> <p>2. Provide the analysis on the remaining G1 and G2 risk scores for underpinning, including:</p> <ul style="list-style-type: none"> <li>Wildfire mitigations being put into place if accepted for underpinning in the future</li> <li>The number of miles topped for the future year (2024)</li> <li>Alternative mitigations being used if no longer accepted for underpinning</li> </ul> <p>1. The following items mitigation measures are used as on-going wildfire safety work on all assets in WFTD areas, including those scoped for underpinning in the future:</p> <ol style="list-style-type: none"> <li>Using enhanced positive safety safety settings (EPSS) that automatically turn off power within one-third of a second if a wildfire threat is detected.</li> <li>Deploying EPSS to reduce wildfire risk during extreme weather conditions while reducing impacts from PSPS through targeted grid modernization and configuration in more impacted areas, thereby increasing circuit strength for conditions that are not directly related.</li> <li>Considering asset inspections and repair, and vegetation management.</li> </ol> <p>At the time of this WMP and throughout the worksheet (starting January 1, 2023, we did not have any projects planned in 2023. Based on continued scoping of additional safety underpinning projects, the projects completed to date are <a href="http://www.sdsds.com/projects/underpinning_projects.html">www.sdsds.com/projects/underpinning_projects.html</a>.</p>	Colin Lang	5/4/2023	5/9/2023	5/1/2023	<a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a> <a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a> <a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a>	2	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
344	TURN		012	TURN_012	1	TURN_012_01	<p>1. Please confirm that the Simplified Wildfire Risk Speed Efficiency (SWRSE) and Wildfire Feasibility Expansion (WFE) measures discussed on page 26 of PG&amp;E's WMP are only calculated by PG&amp;E for underpinning projects, and</p> <p>2. Confirm the need to complete the cost-effectiveness of underpinning projects with any other projects.</p> <p>If PG&amp;E does not unequivocally agree with "a" and "b" above, please explain why it does not.</p>	Tom Long	5/5/2023	5/1/2023	5/1/2023	<a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a> <a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a> <a href="http://www.sdsds.com/projects/underpinning_projects.html">http://www.sdsds.com/projects/underpinning_projects.html</a>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-24-34 - Review Process of Prioritizing Wildfire Mitigations

345	TURN	012	TURN_012	2	TURN_012_02	<p>The table below lists the wildfire mitigation programs proposed in the WMP and the GRC for the years 2023-2025 and associated differences between the two. The information provided below consists of summary of longer discussions provided in either the WMP or the GRC.</p> <p>The population of wildfire mitigation programs includes:</p> <ul style="list-style-type: none"> <li>The WMP Comprehensive Monitoring and Data Collection Milegrams (2023-2025 WMP, R1, pages 255-268);</li> <li>The WMP Operational Milegrams (2023-2025 WMP, R1, pages 268-271);</li> <li>The WMP System Resilience Milegrams (2023-2025 WMP, R1, pages 271-274);</li> <li>Wildfire mitigation included in PG&amp;E's Fuel Year (FY) 2023 GRC but not included in the 2023-2025 WMP.</li> </ul> <p>1. The information in this table documents what PG&amp;E's wildfire mitigation programs contribute to reduce from the time we first filed our 2023-2025 GRC (June 30, 2023) to when we submitted our 2023-2025 WMP. Most of the mitigation programs listed in the FY 2023 GRC are also included in the 2023-2025 WMP. The table shows that there are some differences between the WMP and GRC. For example, the WMP includes a program for clearing out programs such as Enhanced Vegetation Management (EVM) and replacing a risk with a low risk program such as the Forest Clearing/High Fire Risk Area (DFHFR/HA). Additionally, PG&amp;E selected the program to target vegetation risk more effectively in the highest risk areas of the High Fire Threat Clearing/High Fire Risk Area (DFHFR/HA). Additionally, PG&amp;E selected the program to target vegetation risk more effectively from risk models were updated and/or we learned more about the interactions of combined mitigation strategies. For example, in the GRC, PG&amp;E selected an enhanced asset 110 wireless created SCADA monitoring devices each year between 2023 and 2026, but that plan could change pending results of our assessment to address the data of Meter Switch Operator (MSO) and integration with other enhanced automation and wildfire mitigation efforts.</p> <p>Wildfire Mitigation Program Description 2023-2025 WMP 2023 GRC Comprehensive Monitoring and Data Collection Milegrams Disabled Asset Inspections</p>	Tom Long	5/5/2023	5/12/2023	5/12/2023	0	NA	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
346	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	1	CPUC - SPD (Safety Policy Division)_004_01	<p>Please update CPUC-reportable system data. SPD's current data is submitted for 5/14/2023. The content is an aggregated data set based on the data found here, under Fire Ignition Data. WSPS is requesting an update due to incorrect reporting details.</p> <p>1. SPD generally understands that some systems may have been excluded at the time the data was submitted if the cause of the fire was unclear.</p> <p>2. Data may have been considered some additional information not accounted.</p> <p>3. Data may have been entered inconsistently between years, which makes it difficult to perform analysis.</p> <p>4. Update the data to the actual number of acres burned rather than a range of acres.</p> <p>Before submitting final agreement data to WSPS, please set up a conference to discuss the ignition data addition and the potential areas the data may be formatted to be more useful to WSPS.</p>	Henry Dawit	5/5/2023	5/19/2023	5/17/2023	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increase in Risk Events
347	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	2	CPUC - SPD (Safety Policy Division)_004_02	<p>In addition to the data requested above, please add the following data columns for each ignition:</p> <p>1. "POT": Classify each ignition as whether it was located in a "Zone 1", "Zone 2" or "Zone 3" or "Zone 4" or "Zone 5" or "Zone 6" or "Zone 7" or "Zone 8" or "Zone 9" or "Zone 10" or "Zone 11" or "Zone 12" or "Zone 13" or "Zone 14" or "Zone 15" or "Zone 16" or "Zone 17" or "Zone 18" or "Zone 19" or "Zone 20" or "Zone 21" or "Zone 22" or "Zone 23" or "Zone 24" or "Zone 25" or "Zone 26" or "Zone 27" or "Zone 28" or "Zone 29" or "Zone 30" or "Zone 31" or "Zone 32" or "Zone 33" or "Zone 34" or "Zone 35" or "Zone 36" or "Zone 37" or "Zone 38" or "Zone 39" or "Zone 40" or "Zone 41" or "Zone 42" or "Zone 43" or "Zone 44" or "Zone 45" or "Zone 46" or "Zone 47" or "Zone 48" or "Zone 49" or "Zone 50" or "Zone 51" or "Zone 52" or "Zone 53" or "Zone 54" or "Zone 55" or "Zone 56" or "Zone 57" or "Zone 58" or "Zone 59" or "Zone 60" or "Zone 61" or "Zone 62" or "Zone 63" or "Zone 64" or "Zone 65" or "Zone 66" or "Zone 67" or "Zone 68" or "Zone 69" or "Zone 70" or "Zone 71" or "Zone 72" or "Zone 73" or "Zone 74" or "Zone 75" or "Zone 76" or "Zone 77" or "Zone 78" or "Zone 79" or "Zone 80" or "Zone 81" or "Zone 82" or "Zone 83" or "Zone 84" or "Zone 85" or "Zone 86" or "Zone 87" or "Zone 88" or "Zone 89" or "Zone 90" or "Zone 91" or "Zone 92" or "Zone 93" or "Zone 94" or "Zone 95" or "Zone 96" or "Zone 97" or "Zone 98" or "Zone 99" or "Zone 100".</p> <p>2. "POT": Provide the Fire Potential Index for the location on the day of each ignition.</p>	Henry Dawit	5/5/2023	5/19/2023	5/17/2023	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increase in Risk Events
348	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	3	CPUC - SPD (Safety Policy Division)_004_03	<p>Provide the total number of circuit mile-days for each Fire Potential Index rating per year starting in 2014.</p> <p>2014 NA NA 57121 12852 NA 2015 NA NA 120286 20288 NA 2016 NA NA 123478 20287 NA 2017 NA NA 142524 21728 NA 2018 NA NA 18133 59408 201 NA 10736 2019 NA NA 167294 162524 1111328 21473 17693 2020 NA NA 275998 152818 188877 57637 101844 2021 NA NA 202373 224743 148484 114820 27794 2022 NA NA 198777 201280 195148 112436 2023 NA NA 242443 181413 131119</p>	Henry Dawit	5/5/2023	5/19/2023	5/17/2023	0	NA	8.3.6	Statistical Awareness and Forecasting	Fire Potential Index
349	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	4	CPUC - SPD (Safety Policy Division)_004_04	<p>Provide the total number of days per year for each Fire Potential Index rating for each Fire Index Area starting in 2014.</p> <p>2014 NA NA 241817 NA 2015 NA NA 241817 NA 2016 NA NA 241817 NA 2017 NA NA 241817 NA 2018 NA NA 241817 NA 2019 NA NA 241817 NA 2020 NA NA 241817 NA 2021 NA NA 241817 NA 2022 NA NA 241817 NA 2023 NA NA 241817 NA</p>	Henry Dawit	5/5/2023	5/19/2023	5/17/2023	0	NA	8.3.6	Statistical Awareness and Forecasting	Fire Potential Index
350	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	5	CPUC - SPD (Safety Policy Division)_004_05	<p>Provide the total number of circuit mile-days for each Fire Potential Index rating in the HFTD per year starting in 2014.</p> <p>2014 NA NA 83 83 83 NA 2015 NA NA 141415 NA 2016 NA NA 49555 64242 NA 2017 NA NA 115211 115211 NA 2018 NA NA 100004 340448 139259 53334 604203 9361 2019 NA NA 100004 340448 139259 53334 604203 9361 2020 NA NA 100004 340448 139259 53334 604203 9361 2021 NA NA 100004 340448 139259 53334 604203 9361 2022 NA NA 100004 340448 139259 53334 604203 9361 2023 NA NA 100004 340448 139259 53334 604203 9361</p>	Henry Dawit	5/5/2023	5/19/2023	5/17/2023	0	NA	8.3.6	Statistical Awareness and Forecasting	Fire Potential Index
351	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	6	CPUC - SPD (Safety Policy Division)_004_06	<p>Explain how the ability to normalize for the effect of weather and fuel conditions when understanding its performance each year on systems relate to changing weather and fuel conditions year over year.</p> <p>1. Circuit Mile Days are defined as the circuit miles in HFTD/HFA for a circuit, multiplied by the number of days that the circuit is energized and not under maintenance or EPSS criteria. This calculation is performed for every day of the year, for every EPSS circuit, and added together to determine the total Circuit Mile Days for the year.</p> <p>2. Note: If the calculation was performed mid-year, the normalization calculation was only performed through the larger date used. E.g., if effectiveness was measured through 6/30/22, years would only be normalized to "Circuit Mile Days through 6/30/22, 6/30/21, and 6/30/20" respectively.</p> <p>3. The calculation accounts for the increased fire potential risk exposure to the system for each year, using the same criteria used to determine when EPSS is in effect.</p>	Henry Dawit	5/5/2023	5/19/2023	5/17/2023	0	NA	8.3.6	Statistical Awareness and Forecasting	Fire Potential Index
352	CAI/PA	Set WMP-24	CAI/PA_WMP-24	1	CAI/PA_WMP-24_01	<p>In reference to your response to Question 11 of DR CAI/PA-PGE-2023WMP-16, on the excel spreadsheet WMP-Discovery_2023_DR_016-Q011-AN01.</p> <p>1. In the table (a) through (g), please identify the adjacent circuits with tie to the circuits with CH1 to US connection points. In the table (h) through (i).</p>	Holly Wetman	5/5/2023	5/12/2023	5/12/2023	2	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
353	MGRA	Data Request No. 5	MGRA_Data Request No. 5	1	MGRA_Data Request No. 5_01	<p>Is the data source of this POI data the machine learning algorithm described in WDRM documentation? If not what other steps go into the POI?</p>	Joseph Michael	5/1/2023	5/15/2023	5/15/2023	0	NA	6.4.1.1, 6.4.2	Risk Methodology and Assessment	Generate Maps of Top Risk Areas Within the HFRAs Proposed Updates to HFTD
354	MGRA	Data Request No. 5	MGRA_Data Request No. 5	2	MGRA_Data Request No. 5_02	<p>Is the fine-grained POI distribution a result of the localization of specific historical outages, characteristics of assets or equipment, or both?</p> <p>The fine-grained features (other than values being neighboring points) in PG&amp;E's risk model outputs are a product of using predictive constraints, including historical and environmental attributes. Please see the response to Question 4 of the Data Request for an explanation of how historical outages may influence fine-grained features.</p> <p>As mentioned in the response to MGRA Data Request No. 5, the model does exhibit some level of noise and is not perfectly deterministic. For the reasons, modeler development is generally guided by circuit segment level aggregations that provide an improved prediction of risk level.</p>	Joseph Michael	5/1/2023	5/15/2023	5/15/2023	0	NA	6.4.1.1, 6.4.2	Risk Methodology and Assessment	Generate Maps of Top Risk Areas Within the HFRAs Proposed Updates to HFTD
355	MGRA	Data Request No. 5	MGRA_Data Request No. 5	3	MGRA_Data Request No. 5_03	<p>What of the following characteristics is known or suspected to contribute to the fine-grained localization of POI shown above, and to what degree?</p> <ul style="list-style-type: none"> <li>Free density and height</li> <li>Asset health</li> <li>Asset age</li> <li>Asset type</li> <li>Historical Outage History</li> </ul>	Joseph Michael	5/1/2023	5/15/2023	5/15/2023	0	NA	6.4.1.1, 6.4.2	Risk Methodology and Assessment	Generate Maps of Top Risk Areas Within the HFRAs Proposed Updates to HFTD



372	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	1	CPUC - SPD (Safety Policy Division)_005_01	<p>1.Regarding costs interest in PG&amp;E's undergrounding grid hardening mitigation relative projects, used in estimating cost efficiency and project feasibility as described in the 2023-2025 WMP (p. 240 and p. 268), to be used and looking forward?</p> <p>2.What was the average cost per circuit mile for undergrounding in 2022, 2021, and 2020, in the HFTD, non-HFTD, and territory-wide?</p> <p>3.What is the average cost per circuit mile expected in 2023, 2024, and 2025, in the HFTD, non-HFTD, and territory-wide?</p> <p>4.For subparts a, and b, explain expected, average year-over-year cost changes.</p>	<p>1. Please see the following table for average cost per circuit mile for undergrounding grid hardening (non-System Health) undergrounding work and for related work. All completed undergrounding circuit miles in 2022, 2021, and 2020 are in HFTDs.</p> <p>2.</p> <p>3.</p> <p>4.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a>	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
373	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	2	CPUC - SPD (Safety Policy Division)_005_02	<p>2.Provide the utility's cost estimate breakdown for undergrounding per mile. Provide the cost estimate in a commonly used cost-estimating format (e.g., Uniform). If the utility uses a different format, provide internal documentation on that format so SPD can understand the cost estimate.</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
374	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	3	CPUC - SPD (Safety Policy Division)_005_03	<p>3.How is PG&amp;E incorporating subsurface variability (e.g., encountering hard rock, steps, or other conditions presenting significant, physical obstacles) into undergrounding cost calculations? Provide an example.</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
375	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	4	CPUC - SPD (Safety Policy Division)_005_04	<p>4.PG&amp;E has stated that Calfire's trench depth requirements exceeded PG&amp;E trench depth requirements. How has this impacted costs and planning? For planning purposes, what percentage of anticipated underground circuit miles will be impacted by the Calfire trench depth requirements for 2023-2025?</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
376	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	5	CPUC - SPD (Safety Policy Division)_005_05	<p>5.How does service life impact cost calculation?</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
377	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	6	CPUC - SPD (Safety Policy Division)_005_06	<p>6.What is the estimated multiplier for conversion from overhead (OH) line to underground (UG) line (e.g., 1.25 for OH converts to \$81 MM UG) if this was this conversion rate done?</p> <p>7.How was it established as the accepted/operating average for project planning purposes?</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
378	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	7	CPUC - SPD (Safety Policy Division)_005_07	<p>7.On pilot projects completed to date:</p> <p>8.What is the total dollar cost per mile?</p> <p>9.What is the breakdown of project costs per mile? SPD expects to see the following components inside of the costs (though SPD understands they may not be broken down this exact format):</p> <p>10.Labor (e.g., primary line, secondary line, service drop)</p> <p>11.Coverage (e.g., hard both internal and external diggings)</p> <p>12.Design (Estimating (e.g., labor, materials, other costs))</p> <p>13.Dependency (e.g., permits, contracts, long-lead materials)</p> <p>14.Other (e.g., steel construction, electric construction)</p> <p>15.Other (e.g., third-party permits to homeowners as homeowners may complete work such as landscaping or road repair)</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p> <p>5.</p> <p>6.</p> <p>7.</p> <p>8.</p> <p>9.</p> <p>10.</p> <p>11.</p> <p>12.</p> <p>13.</p> <p>14.</p> <p>15.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
379	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	8	CPUC - SPD (Safety Policy Division)_005_08	<p>8.Please provide WMP-Discovery2023_DR_TURN_007-000144CONF.xlsx, used to address TURN Data Request 7, Question 1, discussing RISE calculation for system hardening.</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a>	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
380	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	9	CPUC - SPD (Safety Policy Division)_005_09	<p>9.On page 151 of the 2023-2025 WMP, PG&amp;E states that the WDRM is ignition source in PG&amp;E's Historical Ignition Data, 2015-2021 (approximately 2,500 non-CPUC-reparable ignitions and approximately 1,900 non-reparable ignitions).</p> <p>10.Describe how PG&amp;E is using the ~1,900 non-CPUC-reparable ignitions in its risk modeling.</p> <p>11Provide the ~1,900 non-CPUC-reparable ignition data in a spreadsheet to formal email to the existing CPUC-reparable ignition data (in a DR SPD_PG&amp;E_2023_04 and WDRM and WDRM Safety (ign. data). Under Fire Ignition Data).</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a>	0	NA	8.2.1	Risk Methodology and Assessment	Risk and Risk Component Identification
381	CPUC - SPD (Safety Policy Division)	006	CPUC - SPD (Safety Policy Division)_006	1	CPUC - SPD (Safety Policy Division)_006_01	<p>1.After it was pointed out by SPD that there appeared to be a discrepancy in the methodologies used to calculate the risk reduction effectiveness of EP&amp;S, Undergrounding and Covered Conductor (CC), PG&amp;E issued Area CC2 probably the most "realistic" mitigation effectiveness as the effectiveness based on empirical data and crew safety observations. EP&amp;S in the second round is based on empirical data, and that CC2 is the least mature mitigation effectiveness as it based upon a SME judgement. PG&amp;E agreed to update its undergrounding mitigation effectiveness percentage calculation to account for secondary service drop ignitions.</p> <p>2.Provide this analysis or provide an update on when this analysis will be finished and submit the analysis if it is finished.</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p>	Kevin Miller	5/17/2023	5/23/2023	5/23/2023	<a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a>	0	NA	8.8.8.1	Grid Design, Operations, and Maintenance	Protective Equipment and Device Settings
382	CPUC - SPD (Safety Policy Division)	006	CPUC - SPD (Safety Policy Division)_006	2	CPUC - SPD (Safety Policy Division)_006_02	<p>2.PG&amp;E asserted that PG&amp;E is addressing the risk from secondary lines and service drops in part of replacing the secondary wire and conductor and replacement covered conductor at service drops (see PG&amp;E response to Question 4 of SPD_PG&amp;E_2024_003 for additional discussion). PG&amp;E also stated that there may need to be a change to the SPD's mitigation effectiveness, which only means to apply to primary lines that don't have within risk. PG&amp;E is seeking clarification on the information in its message?</p>	<p>1.</p> <p>2.</p> <p>3.</p> <p>4.</p>	Kevin Miller	5/17/2023	5/23/2023	5/23/2023	<a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a> <a href="https://www.pge.com/global/communities/undergrounding-work-and-related-work">https://www.pge.com/global/communities/undergrounding-work-and-related-work</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution







397	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	4	CPUC - SPD (Safety Policy Division)_009_04	CPUC - SPD provides means to verify message receipt in Table 8-49. PG&E's Protocols for Emergency Communication to Stakeholder Groups. How accurate is the receipt information with regard to verifying messages (see tracking spreadsheet) to and to intended safety customers (i.e., notified, but not listed by, messages not being sent to a new number or persons no longer in the household)?	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	<a href="https://www.cpuc.ca.gov/govaffairs/consumer-affairs/">https://www.cpuc.ca.gov/govaffairs/consumer-affairs/</a> <a href="https://www.cpuc.ca.gov/info-center/public-records-requests/">https://www.cpuc.ca.gov/info-center/public-records-requests/</a> <a href="https://www.cpuc.ca.gov/information-security/">https://www.cpuc.ca.gov/information-security/</a> <a href="https://reference.wiley.com/doi/10.1002/9781119201300.ch10">https://reference.wiley.com/doi/10.1002/9781119201300.ch10</a>	0	NA	8.4.4.1	Emergency Preparedness	Protocols for Emergency Communications
398	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	5	CPUC - SPD (Safety Policy Division)_009_05	SPG&E issues notifications to AFNRM newspapers. How does PG&E know that these notifications are received and their contact information is up to date? How does PG&E have a way to corroborate/verify that the contact information on file is current to help ensure such important notices are being received by the intended recipient?	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	<a href="https://www.cpuc.ca.gov/govaffairs/consumer-affairs/">https://www.cpuc.ca.gov/govaffairs/consumer-affairs/</a> <a href="https://www.cpuc.ca.gov/info-center/public-records-requests/">https://www.cpuc.ca.gov/info-center/public-records-requests/</a> <a href="https://www.cpuc.ca.gov/information-security/">https://www.cpuc.ca.gov/information-security/</a> <a href="https://reference.wiley.com/doi/10.1002/9781119201300.ch10">https://reference.wiley.com/doi/10.1002/9781119201300.ch10</a>	0	NA	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
399	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	6	CPUC - SPD (Safety Policy Division)_009_06	SPG&E members pandemic-in-person engagement. Does PG&E have data comparing pre-pandemic engagement to pandemic-in-person engagement efforts and among other things, attendance? For instance, are there restrictions regarding non-APNRM and APNRM?	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	<a href="https://www.cpuc.ca.gov/govaffairs/consumer-affairs/">https://www.cpuc.ca.gov/govaffairs/consumer-affairs/</a> <a href="https://www.cpuc.ca.gov/info-center/public-records-requests/">https://www.cpuc.ca.gov/info-center/public-records-requests/</a> <a href="https://www.cpuc.ca.gov/information-security/">https://www.cpuc.ca.gov/information-security/</a> <a href="https://reference.wiley.com/doi/10.1002/9781119201300.ch10">https://reference.wiley.com/doi/10.1002/9781119201300.ch10</a>	0	NA	8.5.3	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	7/PG&E states that if an APN customer does not answer the door, the notification is considered a successful door hanger is left. What industry practices or PG&E following that classifies a door hanger as a successful notification?	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	<a href="https://www.cpuc.ca.gov/govaffairs/consumer-affairs/">https://www.cpuc.ca.gov/govaffairs/consumer-affairs/</a> <a href="https://www.cpuc.ca.gov/info-center/public-records-requests/">https://www.cpuc.ca.gov/info-center/public-records-requests/</a> <a href="https://www.cpuc.ca.gov/information-security/">https://www.cpuc.ca.gov/information-security/</a> <a href="https://reference.wiley.com/doi/10.1002/9781119201300.ch10">https://reference.wiley.com/doi/10.1002/9781119201300.ch10</a>	0	NA	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
405	CaPA	Set WMP-26	CaPA_Set WMP-26	1	CaPA_Set WMP-26_01	(A) Please describe your general process or strategy for developing load forecasts. (B) Do you have a written process or procedure for developing load forecasts? (C) If the answer to (b) is "yes," provide a copy. (D) If the answer to (b) is "no," explain why not.	Holly Wetman	7/27/2023	8/10/2023	8/10/2023	<a href="https://www.cpuc.ca.gov/govaffairs/consumer-affairs/">https://www.cpuc.ca.gov/govaffairs/consumer-affairs/</a> <a href="https://www.cpuc.ca.gov/info-center/public-records-requests/">https://www.cpuc.ca.gov/info-center/public-records-requests/</a> <a href="https://www.cpuc.ca.gov/information-security/">https://www.cpuc.ca.gov/information-security/</a> <a href="https://reference.wiley.com/doi/10.1002/9781119201300.ch10">https://reference.wiley.com/doi/10.1002/9781119201300.ch10</a>	2	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
406	CaPA	Set WMP-26	CaPA_Set WMP-26	2	CaPA_Set WMP-26_02	(A) Do you consider load growth projections when you determine which system hardening measures to deploy for wildfire mitigation projects? (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.	Holly Wetman	7/27/2023	8/10/2023	8/10/2023	<a href="https://www.cpuc.ca.gov/govaffairs/consumer-affairs/">https://www.cpuc.ca.gov/govaffairs/consumer-affairs/</a> <a href="https://www.cpuc.ca.gov/info-center/public-records-requests/">https://www.cpuc.ca.gov/info-center/public-records-requests/</a> <a href="https://www.cpuc.ca.gov/information-security/">https://www.cpuc.ca.gov/information-security/</a> <a href="https://reference.wiley.com/doi/10.1002/9781119201300.ch10">https://reference.wiley.com/doi/10.1002/9781119201300.ch10</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
407	CaPA	Set WMP-26	CaPA_Set WMP-26	3	CaPA_Set WMP-26_03	(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, when occurrence of possible load growth are considered).	Holly Wetman	7/27/2023	8/10/2023	8/10/2023	<a href="https://www.cpuc.ca.gov/govaffairs/consumer-affairs/">https://www.cpuc.ca.gov/govaffairs/consumer-affairs/</a> <a href="https://www.cpuc.ca.gov/info-center/public-records-requests/">https://www.cpuc.ca.gov/info-center/public-records-requests/</a> <a href="https://www.cpuc.ca.gov/information-security/">https://www.cpuc.ca.gov/information-security/</a> <a href="https://reference.wiley.com/doi/10.1002/9781119201300.ch10">https://reference.wiley.com/doi/10.1002/9781119201300.ch10</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
408	CaPA	Set WMP-26	CaPA_Set WMP-26	4	CaPA_Set WMP-26_04	(A) Is a typical bare conductor to covered conductor conversion project, is the intention to maintain, increase, or decrease the load capacity of peak operating temperatures? (B) Explain the reasoning for your response to part (A).	Holly Wetman	7/27/2023	8/10/2023	8/10/2023	<a href="https://www.cpuc.ca.gov/govaffairs/consumer-affairs/">https://www.cpuc.ca.gov/govaffairs/consumer-affairs/</a> <a href="https://www.cpuc.ca.gov/info-center/public-records-requests/">https://www.cpuc.ca.gov/info-center/public-records-requests/</a> <a href="https://www.cpuc.ca.gov/information-security/">https://www.cpuc.ca.gov/information-security/</a> <a href="https://reference.wiley.com/doi/10.1002/9781119201300.ch10">https://reference.wiley.com/doi/10.1002/9781119201300.ch10</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
409	CaPA	Set WMP-26	CaPA_Set WMP-26	5	CaPA_Set WMP-26_05	(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.	Holly Wetman	7/27/2023	8/10/2023	8/10/2023	<a href="https://www.cpuc.ca.gov/govaffairs/consumer-affairs/">https://www.cpuc.ca.gov/govaffairs/consumer-affairs/</a> <a href="https://www.cpuc.ca.gov/info-center/public-records-requests/">https://www.cpuc.ca.gov/info-center/public-records-requests/</a> <a href="https://www.cpuc.ca.gov/information-security/">https://www.cpuc.ca.gov/information-security/</a> <a href="https://reference.wiley.com/doi/10.1002/9781119201300.ch10">https://reference.wiley.com/doi/10.1002/9781119201300.ch10</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
410	CaPA	Set WMP-26	CaPA_Set WMP-26	6	CaPA_Set WMP-26_06	(A) Are all overhead to underground conductor conversion projects designed to accommodate loads greater than current capacity? (B) If the answer to (A) is "yes," explain how. (C) If the answer to (A) is "no," explain why not.	Holly Wetman	7/27/2023	8/10/2023	8/10/2023	<a href="https://www.cpuc.ca.gov/govaffairs/consumer-affairs/">https://www.cpuc.ca.gov/govaffairs/consumer-affairs/</a> <a href="https://www.cpuc.ca.gov/info-center/public-records-requests/">https://www.cpuc.ca.gov/info-center/public-records-requests/</a> <a href="https://www.cpuc.ca.gov/information-security/">https://www.cpuc.ca.gov/information-security/</a> <a href="https://reference.wiley.com/doi/10.1002/9781119201300.ch10">https://reference.wiley.com/doi/10.1002/9781119201300.ch10</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
411	CaPA	Set WMP-26	CaPA_Set WMP-26	7	CaPA_Set WMP-26_07	Describe the challenges or advantages entailed in increasing load capacity on a circuit that has previously been hardwired with covered conductor.	Holly Wetman	7/27/2023	8/10/2023	8/10/2023	<a href="https://www.cpuc.ca.gov/govaffairs/consumer-affairs/">https://www.cpuc.ca.gov/govaffairs/consumer-affairs/</a> <a href="https://www.cpuc.ca.gov/info-center/public-records-requests/">https://www.cpuc.ca.gov/info-center/public-records-requests/</a> <a href="https://www.cpuc.ca.gov/information-security/">https://www.cpuc.ca.gov/information-security/</a> <a href="https://reference.wiley.com/doi/10.1002/9781119201300.ch10">https://reference.wiley.com/doi/10.1002/9781119201300.ch10</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution

412	CaPA	Sat WMP-26	CaPA_Sat WMP-26	8	CaPA_Sat WMP-26_08	Describe the challenges or advantages entailed in increasing load capacity on a circuit that has previously been hardened with underground conductors.	The challenges or advantages associated with increasing capacity on an underground distribution system will differ depending on whether the underground system was built recently or in the past under different engineering and design standards. Based on current design standards and practices, it is likely that recent underground projects include physical capacity to support forecasted load growth in the areas that spare conductors or larger cables may have already been installed. However, if load capacity above the design of a recently built underground system is required, then additional cable systems and enclosures would likely need to be installed. In these cases, digging new existing underground infrastructure can be more difficult than installing underground systems that have not yet been installed. For example, additional enclosures may be challenging. In some limited cases, a higher capacity compact cable could be used through an underground system but further our current engineering and design standards. For any potential challenges we would depend on the location of the underground system. If the existing circuit is compromised then it may be feasible to build out new underground systems. However, if the existing infrastructure would be required involving existing non-compact and, potentially, new enclosures as well as the existing conductors present. It may be possible to pull new cable through that conduct to facilitate some load growth without significant additional.	Holly Wetman	7/27/2023	8/10/2023	8/10/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-10/2023-08-10-CaPA_Sat-WMP-26_08.pdf">https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-10/2023-08-10-CaPA_Sat-WMP-26_08.pdf</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
413	CaPA	Sat WMP-26	CaPA_Sat WMP-26	9	CaPA_Sat WMP-26_09	Provide a list of all circuits in your system. For each circuit, provide: a) Circuit ID Number b) Peak load in Amps observed since January 1, 2014. c) Circuit Capacity in Amps.	The attachment to this response contains confidential material and is provided pursuant to the accompanying confidentiality declaration. In this response, PG&E provides the requested data for the distribution circuits in our system. As agreed to, we plan to implement this response with additional data for transmission circuits by Thursday, August 24, 2023. Please see "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet for full of distribution circuits (Judges' all), 2022 peak load (Judges' B), and their capacity (Judges' C). The list of circuit includes only those circuit included in the distribution planning process. Single-customer circuits, tie cables, and site circuits are not included. The 2022 data was obtained from SCADA measurements at distribution substations relative to part of the annual load forecast process. This data was obtained by Distribution Engineers to evaluate switching operations and anticipated and supplemented with AMI data where SCADA data was not present. Please note, peak loads prior to 2022 are, in many instances, no longer relevant because circuit configurations have occurred. In other words, the list of customers presently served by the circuit may not be the same set of customers served by the circuit in previous years. Please note, confidential load data that reveal individual customer loading is indicated in gray. Please note, we do not model the secondary system nor record secondary distribution loading.	Holly Wetman	7/27/2023	8/17/2023	8/17/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-17/2023-08-17-CaPA_Sat-WMP-26_09.pdf">https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-17/2023-08-17-CaPA_Sat-WMP-26_09.pdf</a>	1	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
413	CaPA	Sat WMP-26	CaPA_Sat WMP-26	9b)	CaPA_Sat WMP-26_09b)	Provide a list of all circuits in your system. For each circuit, provide: a) Circuit ID Number b) Peak load in Amps observed since January 1, 2014. c) Circuit Capacity in Amps.	The attachment to this response contains confidential material and is provided pursuant to the accompanying confidentiality declaration. In this response, PG&E provides the requested data for the PG&E owned and operated transmission circuits in our system that are calculated from telemetry and included in Energy Management System (EMS). Please note, we did not include information that did not match between PG&E's GIS system and the CAISO Transmission Register because the GIS system information included line, bus, bus tie, or removed line. Please see "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet for a list of transmission circuits (Judges' all), 2022 peak load (Judges' B), and their capacity (Judges' C). Where available, we indicated the highest measured peak value for all line segments of all phases of each equipment. Where measured values were not available, the calculated readings were selected with the highest reading in the same service. Please note, peak loads prior to 2022 are, in many instances, no longer relevant because circuit configurations have occurred. In other words, the set of customers presently served by the circuit may not be the same set of customers served by the circuit in previous years. Additionally, States in the area indicate the circuit could not be modeled to EMS as an unswitched distribution circuit. In such cases, the circuit is included in the circuit list but is not included in the list of customers presently served by the circuit. In cases where peak loading exceeds normal capacity, it is likely that an emergency condition was present. Please see below for the definitions of rating type terms: 1 Normal Assembly: The absolute continuous load that can be carried under normal ambient operating temperatures. 2 Emergency Assembly: Maximum load permitted for short duration in emergencies resulting from the usage of emergency loading in limited time intervals. 3 Peak loads should not exceed a total time of 100 hours in one year. PG&E notes that it is not possible to accurately model emergency loading in the format presented in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet during the normal distribution planning process. Please note, confidential load data that reveal individual customer loading is indicated in gray.	Holly Wetman	7/27/2023	8/24/2023	8/24/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-24/2023-08-24-CaPA_Sat-WMP-26_09b).pdf">https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-24/2023-08-24-CaPA_Sat-WMP-26_09b).pdf</a>	1	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
414	CaPA	Sat WMP-26	CaPA_Sat WMP-26	10	CaPA_Sat WMP-26_10	Provide updated GIS layers of primary distribution, secondary distribution, and transmission lines, with the following information: a) Circuit ID Number b) Peak load in Amps observed since January 1, 2014. c) Circuit Capacity in Amps	The attachment to this response contains confidential material and is provided pursuant to the accompanying confidentiality declaration. Please refer to "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet for the requested GIS attributes for our primary distribution system. Line sections includes may include additional circuit and values in the response to Q285. The list of circuits is CIGD includes only those circuits that are abstracted in the distribution planning process. Single customer circuits, tie cables, and site circuits are not included. This response, PG&E provides the requested GIS information. Please note, we do not model the secondary distribution system, nor record secondary distribution loading. As agreed to, PG&E will provide a response to the portion of the request relating to transmission data in the following response by Thursday, August 24, 2023.	Holly Wetman	7/27/2023	8/17/2023	8/17/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-17/2023-08-17-CaPA_Sat-WMP-26_10.pdf">https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-17/2023-08-17-CaPA_Sat-WMP-26_10.pdf</a>	1	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
414	CaPA	Sat WMP-26	CaPA_Sat WMP-26	10a)	CaPA_Sat WMP-26_10a)	Provide updated GIS layers of primary distribution, secondary distribution, and transmission lines, with the following information: a) Circuit ID Number b) Peak load in Amps observed since January 1, 2014. c) Circuit Capacity in Amps	The attachment to this response contains confidential material and is provided pursuant to the accompanying confidentiality declaration. Please refer to "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet for the requested GIS attributes for PG&E's transmission system. Please note, "tiers" identified in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet are not applicable to transmission data. In response to the portion of the data request set for additional content regarding the transmission peak load and circuit capacity data provided in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet.	Holly Wetman	7/27/2023	8/24/2023	8/24/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-24/2023-08-24-CaPA_Sat-WMP-26_10a).pdf">https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-24/2023-08-24-CaPA_Sat-WMP-26_10a).pdf</a>	1	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
415	CaPA	Sat WMP-27	CaPA_Sat WMP-27	1	CaPA_Sat WMP-27_01	The article states the following: The California utility company PG&E spent about \$2.5 billion on a yearlong effort aimed at reducing wildfire risk by cutting or clearing more than a million trees growing alongside power lines. It now says that work was largely ineffective and is abandoning the program, according to an internal analysis reviewed by The Wall Street Journal and interviewees with utility executives.	PG&E did not say that the work was largely ineffective. PG&E provided the following response to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet for the requested GIS attributes for PG&E's distribution system. Please note, "tiers" identified in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet are not applicable to transmission data. In response to the portion of the data request set for additional content regarding the transmission peak load and circuit capacity data provided in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet. PG&E did not say that the work was largely ineffective. PG&E provided the following response to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet for the requested GIS attributes for PG&E's distribution system. Please note, "tiers" identified in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet are not applicable to transmission data. In response to the portion of the data request set for additional content regarding the transmission peak load and circuit capacity data provided in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet.	Holly Wetman	8/4/2023	8/18/2023	8/18/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-18/2023-08-18-CaPA_Sat-WMP-27_01.pdf">https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-18/2023-08-18-CaPA_Sat-WMP-27_01.pdf</a>	1	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
416	CaPA	Sat WMP-27	CaPA_Sat WMP-27	2	CaPA_Sat WMP-27_02	The article states the following: The California utility company PG&E spent about \$2.5 billion on a yearlong effort aimed at reducing wildfire risk by cutting or clearing more than a million trees growing alongside power lines. It now says that work was largely ineffective and is abandoning the program, according to an internal analysis reviewed by The Wall Street Journal and interviewees with utility executives.	PG&E did not say that the work was largely ineffective. PG&E provided the following response to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet for the requested GIS attributes for PG&E's distribution system. Please note, "tiers" identified in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet are not applicable to transmission data. In response to the portion of the data request set for additional content regarding the transmission peak load and circuit capacity data provided in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet. PG&E did not say that the work was largely ineffective. PG&E provided the following response to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet for the requested GIS attributes for PG&E's distribution system. Please note, "tiers" identified in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet are not applicable to transmission data. In response to the portion of the data request set for additional content regarding the transmission peak load and circuit capacity data provided in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet.	Holly Wetman	8/4/2023	8/18/2023	8/18/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-18/2023-08-18-CaPA_Sat-WMP-27_02.pdf">https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-18/2023-08-18-CaPA_Sat-WMP-27_02.pdf</a>	1	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
417	CaPA	Sat WMP-27	CaPA_Sat WMP-27	3	CaPA_Sat WMP-27_03	The article states the following: PG&E now says that work was largely ineffective and is abandoning the program, according to an internal analysis reviewed by The Wall Street Journal and interviewees with utility executives.	PG&E did not say that the work was largely ineffective. PG&E provided the following response to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet for the requested GIS attributes for PG&E's distribution system. Please note, "tiers" identified in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet are not applicable to transmission data. In response to the portion of the data request set for additional content regarding the transmission peak load and circuit capacity data provided in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet. PG&E did not say that the work was largely ineffective. PG&E provided the following response to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet for the requested GIS attributes for PG&E's distribution system. Please note, "tiers" identified in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet are not applicable to transmission data. In response to the portion of the data request set for additional content regarding the transmission peak load and circuit capacity data provided in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet.	Holly Wetman	8/4/2023	8/18/2023	8/18/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-18/2023-08-18-CaPA_Sat-WMP-27_03.pdf">https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-18/2023-08-18-CaPA_Sat-WMP-27_03.pdf</a>	0	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
418	CaPA	Sat WMP-27	CaPA_Sat WMP-27	4	CaPA_Sat WMP-27_04	The article states the following: The California utility giant says the program, which involved creating wide spaces between low wires and potentially reducing tree risk, failed to reduce ignitions during periods when fire risk was highest, typically in summer. Recent research indicates a 17% reduction in ignitions, but the reduction is ignitions.	PG&E did not say that the work was largely ineffective. PG&E provided the following response to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet for the requested GIS attributes for PG&E's distribution system. Please note, "tiers" identified in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet are not applicable to transmission data. In response to the portion of the data request set for additional content regarding the transmission peak load and circuit capacity data provided in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet. PG&E did not say that the work was largely ineffective. PG&E provided the following response to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet for the requested GIS attributes for PG&E's distribution system. Please note, "tiers" identified in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet are not applicable to transmission data. In response to the portion of the data request set for additional content regarding the transmission peak load and circuit capacity data provided in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet.	Holly Wetman	8/4/2023	8/18/2023	8/18/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-18/2023-08-18-CaPA_Sat-WMP-27_04.pdf">https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-18/2023-08-18-CaPA_Sat-WMP-27_04.pdf</a>	2	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
419	CaPA	Sat WMP-27	CaPA_Sat WMP-27	5	CaPA_Sat WMP-27_05	In response to data request TURNPAC-3, question 2, on April 17, 2023, PG&E stated that it expects to complete the Substation Annual Assessment Effectiveness Study by July 15, 2023. a) Has PG&E completed the Substation Annual Assessment Effectiveness Study? b) If the answer to part (a) is yes, please provide a copy of any reports or other output from the Substation Annual Assessment Effectiveness Study. c) If the answer to part (a) is no, please state when PG&E currently expects to complete the Substation Annual Assessment Effectiveness Study.	PG&E did not say that the work was largely ineffective. PG&E provided the following response to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet for the requested GIS attributes for PG&E's distribution system. Please note, "tiers" identified in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet are not applicable to transmission data. In response to the portion of the data request set for additional content regarding the transmission peak load and circuit capacity data provided in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet.	Holly Wetman	8/4/2023	8/18/2023	8/18/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-18/2023-08-18-CaPA_Sat-WMP-27_05.pdf">https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-18/2023-08-18-CaPA_Sat-WMP-27_05.pdf</a>	0	NA	8.1.1.2.2	Grid Design and System Hardening	Other Technologies and Systems - Substation Annual Assessment
420	CaPA	Sat WMP-27	CaPA_Sat WMP-27	6	CaPA_Sat WMP-27_06	In response to data request TURNPAC-3, question 2, on April 10, 2023, PG&E stated the following: Additionally, we are in the process of finding a study that is planned to be completed by June 30, 2023. This study will assess the accuracy reliability improvements at locations that have been undergrounded and/or have been hardened with conductor conductors.	PG&E did not say that the work was largely ineffective. PG&E provided the following response to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet for the requested GIS attributes for PG&E's distribution system. Please note, "tiers" identified in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet are not applicable to transmission data. In response to the portion of the data request set for additional content regarding the transmission peak load and circuit capacity data provided in "WMP-Discovery2023_Dr_California_CIG-D006A0401CONF" sheet.	Holly Wetman	8/4/2023	8/18/2023	8/18/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-18/2023-08-18-CaPA_Sat-WMP-27_06.pdf">https://www.pge.com/cgi-bin/submit/submit.pl?file=/media/external/relations/2023-08-18/2023-08-18-CaPA_Sat-WMP-27_06.pdf</a>	0	NA	NA	NA	NA

421	CaPA	Set WMP-27	CaPA_Sat WMP-27	7	CaPA_Sat WMP-27_07	Please provide a copy of PG&E's 2022 Annual Electric Reliability Report. This should be similar to the documents provided to TURN in response to TURN/PG&E's question 2, on April 10, 2023.	Please see "WMP Discussion023_DR_California_027-0007A001.pdf" for a copy of our 2022 Annual Electric Reliability Report.	Holly Wetman	8/4/2023	8/18/2023	8/18/2023	<a href="http://www.pge.com/epr/pgebl/compliance/2022-annual-electric-reliability-report">http://www.pge.com/epr/pgebl/compliance/2022-annual-electric-reliability-report</a>	1	NA	NA	NA	NA
422	CaPA	Set WMP-28	CaPA_Sat WMP-28	1	CaPA_Sat WMP-28_01		<p>a) QC is integrating with execution processes by completing QC on a shorter timeline (i.e., 30 days) compared to the previous year. This includes: reviewing work orders, sharing warnings, and making corrections, as necessary. By integrating closer to work and closing tickets, PG&amp;E can work with contractors to ensure work has been recently completed, enabling both more timely corrective actions and additional opportunities for safety observations. PG&amp;E will return the work to a field location before the inspector has departed the area.</p> <p>b) Status in the process that QC and QA have in 2023:</p> <p>i) System Inspectors (SI) execution completes the scheduled distribution asset inspection.</p> <p>ii) Completed inspection location and the status of QC-eligible locations. QC completes four weeks of the QC-eligible locations through weekly or prior field review.</p> <p>c) QC items are QC failures with the SI execution team.</p> <p>d) QC completed locations become eligible for QA sampling.</p> <p>e) WMP Discussion023_DR_California_028-0002A001.pdf</p> <p>f) QA performs statistical sampling of QC completed locations per the 95% performance rate. 95% target of actual closure described in the WMP.</p> <p>g) QA auditors perform the field audits as described during the sampling process.</p> <p>h) QA audits are reviewed by QA subject matter experts (SME) for accuracy and completeness.</p> <p>i) Once approved by QA SME, QA audits become a closed loop.</p> <p>j) CA shares any findings back to the QC and QA execution teams.</p> <p>k) Please see the responses to subparts (a) and (b) for a description of our QC and QA processes. We intend to further integrate QC with execution, as described in subpart (a), during the second and third builds of the processes, described in subpart (b). PG&amp;E is continuing to explore additional opportunities for further integration of the execution and QC functions.</p> <p>l) PG&amp;E is targeting QC on 30% of all System Inspectors following the live integrated model within HFTD, being implemented.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="http://www.pge.com/epr/pgebl/compliance/2023-integrated-closure">http://www.pge.com/epr/pgebl/compliance/2023-integrated-closure</a>	0	NA	8.1.6	Quality Assurance and Quality Control	NA
423	CaPA	Set WMP-28	CaPA_Sat WMP-28	2	CaPA_Sat WMP-28_02		<p>a) The quality of asset inspection work is being tracked by using data on QC failures to inform standards and areas which give visibility into opportunities for improvement in initial work execution, sharing quality of the source. Where applicable, PG&amp;E will track the quality of work on the QC pass rates, as well as the quality of work on the QC pass rates. PG&amp;E will track the quality of work on the QC pass rates, as well as the quality of work on the QC pass rates.</p> <p>b) What metrics or measures will PG&amp;E use to identify a possible trend down in the quality of asset inspections?</p> <p>c) PG&amp;E will also continue to review QC pass rates.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="http://www.pge.com/epr/pgebl/compliance/2023-asset-inspection">http://www.pge.com/epr/pgebl/compliance/2023-asset-inspection</a>	0	NA	8.1.6	Quality Assurance and Quality Control	NA
424	CaPA	Set WMP-28	CaPA_Sat WMP-28	3	CaPA_Sat WMP-28_03		<p>a) PG&amp;E is reviewing the 1500 transmission locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections, how many will be aerial inspections.</p> <p>b) PG&amp;E is reviewing the 1500 distribution locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="http://www.pge.com/epr/pgebl/compliance/2023-distribution-locations">http://www.pge.com/epr/pgebl/compliance/2023-distribution-locations</a>	0	NA	8.1.6	Quality Assurance and Quality Control	NA
425	CaPA	Set WMP-28	CaPA_Sat WMP-28	4	CaPA_Sat WMP-28_04		<p>a) PG&amp;E is reviewing the 1500 transmission locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections.</p> <p>b) PG&amp;E is reviewing the 1500 distribution locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="http://www.pge.com/epr/pgebl/compliance/2023-transmission-locations">http://www.pge.com/epr/pgebl/compliance/2023-transmission-locations</a>	0	NA	8.1.6	Quality Assurance and Quality Control	NA
426	CaPA	Set WMP-28	CaPA_Sat WMP-28	5	CaPA_Sat WMP-28_05		<p>a) PG&amp;E is reviewing the 1500 transmission locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections.</p> <p>b) PG&amp;E is reviewing the 1500 distribution locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="http://www.pge.com/epr/pgebl/compliance/2023-inspection-types">http://www.pge.com/epr/pgebl/compliance/2023-inspection-types</a>	0	NA	8.1.6	Quality Assurance and Quality Control	NA
427	CaPA	Set WMP-28	CaPA_Sat WMP-28	6	CaPA_Sat WMP-28_06		<p>a) PG&amp;E is reviewing the 1500 transmission locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections.</p> <p>b) PG&amp;E is reviewing the 1500 distribution locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="http://www.pge.com/epr/pgebl/compliance/2023-asset-inspection">http://www.pge.com/epr/pgebl/compliance/2023-asset-inspection</a>	0	NA	8.1.6	Quality Assurance and Quality Control	NA
428	CaPA	Set WMP-28	CaPA_Sat WMP-28	7	CaPA_Sat WMP-28_07		<p>a) PG&amp;E is reviewing the 1500 transmission locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections.</p> <p>b) PG&amp;E is reviewing the 1500 distribution locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="http://www.pge.com/epr/pgebl/compliance/2023-asset-inspection">http://www.pge.com/epr/pgebl/compliance/2023-asset-inspection</a>	0	NA	8.1.6	Grid Operations and Procedures	NA
429	CaPA	Set WMP-28	CaPA_Sat WMP-28	8	CaPA_Sat WMP-28_08		<p>a) PG&amp;E is reviewing the 1500 transmission locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections.</p> <p>b) PG&amp;E is reviewing the 1500 distribution locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="http://www.pge.com/epr/pgebl/compliance/2023-asset-inspection">http://www.pge.com/epr/pgebl/compliance/2023-asset-inspection</a>	1	NA	8.1.6	Grid Operations and Procedures	NA
430	CaPA	Set WMP-28	CaPA_Sat WMP-28	9	CaPA_Sat WMP-28_09		<p>a) PG&amp;E is reviewing the 1500 transmission locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections.</p> <p>b) PG&amp;E is reviewing the 1500 distribution locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="http://www.pge.com/epr/pgebl/compliance/2023-asset-inspection">http://www.pge.com/epr/pgebl/compliance/2023-asset-inspection</a>	0	NA	8.1.6	Grid Operations and Procedures	NA
431	CaPA	Set WMP-28	CaPA_Sat WMP-28	10	CaPA_Sat WMP-28_10		<p>a) PG&amp;E is reviewing the 1500 transmission locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections.</p> <p>b) PG&amp;E is reviewing the 1500 distribution locations by inspection type. For example, how many of these locations will be inspected ground inspections, how many will be aerial inspections, how many will be aerial inspections.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="http://www.pge.com/epr/pgebl/compliance/2023-asset-inspection">http://www.pge.com/epr/pgebl/compliance/2023-asset-inspection</a>	0	NA	8.1.6	Grid Operations and Procedures	NA



432	CaPA	Set WMP-28	CaPA_Set WMP-28	11	CaPA_Set WMP-28_011	<p>RN-PSGE-23-04 Footnote 16 on page 52 of PSGE's response states, "PSGE will develop a risk spend efficiency by isolation zone bands and not individual tags. We will identify groupings of EC notification in an isolation zone (similar to a circuit protection zone) and sum the address risk of those notification. That sum will be divided by the sum of the average cost of those same notification to get a risk spend efficiency by isolation zone bands." a) How will PSGE determine the address risk of individual notification? b) How will PSGE determine the net cost of individual notification?</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
433	CaPA	Set WMP-28	CaPA_Set WMP-28	12	CaPA_Set WMP-28_012	<p>RN-PSGE-23-04 PSGE states that an isolation zone is "similar to a circuit protection zone" (Footnote 16 on page 52). a) Define "isolation zone." b) Is an isolation zone identical to a circuit protection zone? c) If the answer to part (b) is no, describe the differences.</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
434	CaPA	Set WMP-28	CaPA_Set WMP-28	13	CaPA_Set WMP-28_013	<p>RN-PSGE-23-04 Page 55 of PSGE's response states, with respect to field safety reassessments, "inspectors can also recommend that a notification be cancelled if they believe it is not needed or if it is already corrected." a) Describe the process by which an inspector performing a field safety reassessment can recommend a notification be cancelled. b) If an inspector performing a field safety reassessment recommends that a notification be cancelled, do any additional checks or performance data place pressure on cancelling the notification? c) If the answer to part (b) is no, describe any additional checks or verifications. d) If the answer to part (b) is no, explain why not.</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
435	CaPA	Set WMP-28	CaPA_Set WMP-28	14	CaPA_Set WMP-28_014	<p>RN-PSGE-23-04 Table RN-PSGE-23-04-6 on page 59 of PSGE's response estimates PSGE will resolve 12,000 low level tags in 2024, 84,000 mid level tags in 2024, and 50,100 low level tags in 2025. a) State the basis for the reduced number of level 2 tags PSGE forecasts being closed in 2024 and 2025 compared to 2023.</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
436	CaPA	Set WMP-28	CaPA_Set WMP-28	15	CaPA_Set WMP-28_015	<p>RN-PSGE-23-04 Page 53 of PSGE's response states, "For example, we have found certain ignition tags, e.g., sparks within two feet of an insulator, and number of poles per wire) do not pose an increased risk of ignition. Instead of issuing a non-potential risk maintenance tag, the actions are better addressed by the asset management team as they are a potential indicator of a broader asset health issue." a) Describe how the asset management team would address a maintenance tag if not issued. b) Describe the circumstances under which PSGE would repair actions that do not pose an ignition risk, and describe the options there is a maintenance tag. c) How does PSGE's asset management team use address as an indicator of "broader asset health" and under what circumstances does the asset management team action based on the indicator?</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
437	CaPA	Set WMP-28	CaPA_Set WMP-28	16	CaPA_Set WMP-28_016	<p>RN-PSGE-23-04 Page 68 of PSGE's response states, "There are 79 circuit segments that are not included in an underground plan and are not being hardened. In place of these circuit segments, PSGE chose to add different circuit segments to the portfolio that could be undergrounded more affordably. PSGE manages wildfire risk on these 79 circuit segments through a portfolio of Comprehensive Monitoring and Data Collection and Operational Mitigations described above." a) How does PSGE intend to address the 79 circuit segments described in this section? b) If the answer to part (a) is yes, why did PSGE not intend to address a mitigation for these 79 circuit segments? c) If the answer to part (a) is no, explain why not.</p>	Holy Wetman	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	CaPA	Set WMP-28	CaPA_Set WMP-28	17	CaPA_Set WMP-28_017	<p>RN-PSGE-23-04 Table RN-PSGE-23-04-2 on page 72 of PSGE's response compares the message in the top 20% of WVE, the top 20% of WDRM, and the top 20% of WDRM-C. a) How does PSGE plan to address the risk score from WDRM-C and the feasibility score of undergrounding that appears in the WDRM-C? b) Does the list of critical segments ranked by WVE incorporate risk scores from WDRM-C? If yes, describe how. c) Does the list of critical segments ranked by WVE incorporate risk scores from WDRM-C? If yes, describe how.</p>	Holy Wetman	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	CaPA	Set WMP-28	CaPA_Set WMP-28	18	CaPA_Set WMP-28_018	<p>RN-PSGE-23-04 Page 73 of PSGE's response states, "Based on our further evaluation, the preliminary updated mitigation effectiveness for undergrounding, considering the residual risk from secondary and service lines, is approximately 97.7 percent compared to the 92 percent." a) Describe how PSGE calculated the effectiveness of 97.7 percent. b) Provide supporting data and explanation for your response to part (a).</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	1	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
440	CaPA	Set WMP-28	CaPA_Set WMP-28	19	CaPA_Set WMP-28_019	<p>RN-PSGE-23-07 Page 103 of PSGE's response states, "The TAT was developed to fit the scope of the EVM Program. With the completion of ERM, PSGE has decided to discontinue the use of the TAT and will be moving forward with virtual assessment using the TRAQ form." a) Does PSGE plan to perform a study or analysis to compare the effectiveness of the TAT and the ISA TRAQ? If yes, describe the study, including the variables and differences from the current and previous approach to OC. b) Provide the means for comparing the approach. c) Provide the estimated sample size for this approach. These sample sizes may differ representing physical assets (PSGE at 50 per year, e.g., PSGE at 5000-10000 constraints in each year of the WMP) or virtual assets (PSGE at 50 per year, e.g., PSGE at 5000-10000 constraints in each year of the WMP) or "how PSGE determines the sample size to OC (i.e., the criteria for when and where PSGE performs OC)." d) Describe any performance differences PSGE has developed related to the TAT and your response to part (a).</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	2	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
441	CaPA	Set WMP-28	CaPA_Set WMP-28	20	CaPA_Set WMP-28_020	<p>RN-PSGE-23-07 Page 104 of PSGE's response states, "Given that we began working with the ISA TRAQ in 2023, data does not exist to objectively compare effectiveness differences between ISA TRAQ and the TAT." a) Does PSGE plan to perform a study or analysis to compare the effectiveness of the TAT and the ISA TRAQ? If yes, describe the study, including the variables and differences from the current and previous approach to OC. b) Provide the means for comparing the approach. c) Provide the estimated sample size for this approach. These sample sizes may differ representing physical assets (PSGE at 50 per year, e.g., PSGE at 5000-10000 constraints in each year of the WMP) or virtual assets (PSGE at 50 per year, e.g., PSGE at 5000-10000 constraints in each year of the WMP) or "how PSGE determines the sample size to OC (i.e., the criteria for when and where PSGE performs OC)." d) Describe any performance differences PSGE has developed related to the TAT and your response to part (a).</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
442	OEIS	011	OEIS_011	1	OEIS_011_01	<p>Requesting distribution isolated ground protection a) On page 454 of the revised WMP, PSGE states that it will shift from inspecting all WPTD tier 3 distribution assets annually and tier 2 assets every three years, to inspecting assets and extreme consequence assets every annually and high-consequence assets every three years. b) Provide the number of assets/structures using the same asset/structure definition as WMP R2 table 5.1.3, 2, page 460 (inspected WPTD tier 3). c) Provide the number of assets/structures using the same asset/structure definition as WMP R2 table 5.1.3, page 460 (inspected WPTD tier 2).</p>	Dakota Smith	8/10/2023	8/23/2023	8/23/2023	0	NA	8.1.3.1.1	Asset Inspections	Delayed Ground Inspection
443	OEIS	011	OEIS_011	2	OEIS_011_02	<p>Requesting PSGE's Grid Design and Maintenance Quality Control a) Is a Revision Notice Response, PSGE states that it is "working to integrate and OI" evaluation process. The approach will require multiple teams to inspect and grade workers, and that revision sample sizes and "risk level" based on PSGE's feasibility. (Page 30) b) Describe the approach, including the variables and differences from the current and previous approach to OC. c) Provide the means for comparing the approach. d) Provide the estimated sample size for this approach. These sample sizes may differ representing physical assets (PSGE at 50 per year, e.g., PSGE at 5000-10000 constraints in each year of the WMP) or virtual assets (PSGE at 50 per year, e.g., PSGE at 5000-10000 constraints in each year of the WMP) or "how PSGE determines the sample size to OC (i.e., the criteria for when and where PSGE performs OC)." e) Describe any performance differences PSGE has developed related to the TAT and your response to part (a).</p>	Dakota Smith	8/10/2023	8/23/2023	8/23/2023	0	NA	8.1.6	Quality Assurance and Quality Control	NA

444	OEIS	011	OEIS_011	3	OEIS_011_Q3	<p>Regarding PG&amp;E's Vegetation Management Quality Control</p> <p>In its Response Before Response, PG&amp;E states that it is "working to integrate QC with [the] execution processes. This approach will create real-time samplings to check and guide workers..." and that previous sample sizes and crew size target "would hinder PG&amp;E's flexibility" (Page 26)</p> <p>Describe this approach, including the samplings and differences from the current and previous approach to QC. Provide the estimated sample size for this approach. These sample sizes may differ from previous physical assets PG&amp;E will QC per year (i.e., PG&amp;E will QC 3,000 acres in each year of the WMP cycle), or how PG&amp;E determines the sample size for QC (i.e., the criteria for when and where PG&amp;E performs QC).</p> <p>Are there any other relevant PG&amp;E documents related to this approach and an answer for:</p>	Dakota Smith	8/18/2023	8/23/2023	8/23/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_011_q3.pdf">https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_011_q3.pdf</a>	0	NA	8.1.6	Quality Assurance and Quality Control	NA
445	CPUC - SPD (Safety Policy Division)	010	CPUC - SPD (Safety Policy Division)_010	1	CPUC - SPD (Safety Policy Division)_010_Q1	<p>Provide the attached spreadsheet with information summarized from Table 11 of PG&amp;E's most recently submitted QDR (Q1 2023 submitted Aug 1).</p>	Kevin Miller	8/4/2023	9/1/2023	8/31/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_010_q1.pdf">https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_010_q1.pdf</a>	1	NA	QDR	NA	NA
446	OEIS	012	OEIS_012	1	OEIS_012_Q1	<p>011 Regarding PG&amp;E's Response to WMP-QE-23-07</p> <p>Considering the form are no falls in OneVista to collect Level 2 inspection data 1 the TRAG form will not be updated 2 and the Focused Tree Inspection procedure does not require inspectors to take a photo of completed TRAG forms 3 what data and information do PG&amp;E plan to use to perform field-based quality control on Level 2 inspections performed under Focused Tree Inspections?</p> <p>Describe the quality control procedure for Focused Tree Inspections.</p> <p>How are the paper TRAG forms generated through Focused Tree Inspections collected and stored by PG&amp;E?</p> <p>For Focused Tree Inspections, Routine, and Second Photo:</p> <p>How and where does the inspection document relevant factors that contributed to an inspector's designation of a tree as a hazard or not a hazard, and an inspection assessment conclusion?</p>	Dakota Smith	8/30/2023	9/27/2023	9/27/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_012_q1.pdf">https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_012_q1.pdf</a>	4	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
447	OEIS	012	OEIS_012	2	OEIS_012_Q2	<p>002 Regarding PG&amp;E's Response to WMP-QE-23-03</p> <p>In its response relating to EPSS, PG&amp;E states that it "does not have detailed mitigation effectiveness analysis at the site. These analyses are being developed based on subject matter expertise and/or expert data to being collected"</p> <p>Expand what is meant by this statement, particularly given PG&amp;E has provided effectiveness estimates for EPSS previously.</p> <p>In its 2023-2025 WMP, PG&amp;E provides an estimated effectiveness of 68% for EPSS in 2022. Is this an accurate effectiveness estimate? If not, why?</p> <p>When does PG&amp;E plan on obtaining a more updated effectiveness estimate? What factors is PG&amp;E including in the calculation?</p>	Dakota Smith	8/30/2023	9/5/2023	9/5/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_012_q2.pdf">https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_012_q2.pdf</a>	0	NA	8.1.2.10	Grid Design and System Hardening	Downed Conductor Detection Devices
448	OEIS	012	OEIS_012	3	OEIS_012_Q3	<p>003 Regarding PG&amp;E's Response to WMP-QE-23-04</p> <p>In its 2023-2025 WMP, PG&amp;E lists "Aged Backlog (18A Enclosed)" and "Aged Backlog (18B Remaining)". Provide more detail on what is meant by each year, broken down by non-ignition risk, ignition risk, and non-ignition risk respectively.</p> <p>004 Regarding PG&amp;E's Response to WMP-QE-23-05</p> <p>In its 2023-2025 WMP, PG&amp;E provides the following data on order work:</p> <p>The number of instances in which PG&amp;E cancelled work orders in response to an FSR.</p> <p>The number of instances in which PG&amp;E cancelled work orders in place of other work orders in response to an FSR.</p> <p>The number of instances in which PG&amp;E cancelled work orders in response to an FSR.</p> <p>On details on how PG&amp;E tracks the above (i) through (iii) within its databases. If PG&amp;E does not currently track such information, why?</p> <p>When PG&amp;E continues to conduct annual FSRs on all Priority E tags?</p> <p>Provide a list of PG&amp;E's activities for monitoring and resources relating to handling its backlog. This should include, but not be limited to:</p> <ul style="list-style-type: none"> <li>• Resource, training, and planning workforce and personnel</li> <li>• Resource limitations, such as obtaining needed equipment and supply chain issues, and how PG&amp;E intends on handling them.</li> <li>• Training for personnel working on backlog, including details on how to identify, prioritize, and respond to repair.</li> <li>• How is PG&amp;E tracking and prioritizing ignition risk tags that are Priority E or F?</li> </ul>	Dakota Smith	8/30/2023	9/27/2023	9/27/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_012_q3.pdf">https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_012_q3.pdf</a>	0	NA	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags
449	OEIS	012	OEIS_012	4	OEIS_012_Q4	<p>004 Regarding PG&amp;E's Response to WMP-QE-23-05</p> <p>For the 73 circuit segments not included in an undergrounding plan that have not been hardened, provide the following information as spreadsheet:</p> <ul style="list-style-type: none"> <li>• Circuit Name</li> <li>• Circuit Length (Circuit Name)</li> <li>• V1 Risk Score</li> <li>• V2 Risk Score</li> <li>• V3 Risk Rating</li> <li>• V4 Risk Rating</li> <li>• V5 Risk Rating</li> <li>• WFE Score</li> <li>• Feasibility Score</li> </ul> <p>Reason for why the circuit segment is not included in undergrounding plan?</p> <p>Other mitigation options being used for the circuit segment?</p> <p>Other mitigation options being considered for the circuit segment in the future, (such as differs from (d))</p>	Dakota Smith	8/30/2023	9/5/2023	9/5/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_012_q4.pdf">https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_012_q4.pdf</a>	1	NA	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
450	CaMPA	Set WMP-29	CaMPA_Set WMP-29_01	1	CaMPA_Set WMP-29_01	<p>Page 35 of PG&amp;E's response states, "PG&amp;E is currently working to integrate QC with our execution processes to allow quality during field work execution."</p> <p>Provide the approach data to which PG&amp;E plans to implement an integrated QC process, described above.</p> <p>These provide any internal protocols, presentations, reports, or other documentation that describes PG&amp;E's proposed integrated QC process.</p> <p>These provide any procedural, handbook, checklist, or job aids that personnel will use when implementing PG&amp;E's proposed integrated QC process.</p>	Holly Wetteman	9/7/2023	9/27/2023	9/27/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_019_q1.pdf">https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_019_q1.pdf</a>	0	NA	8.1.6	Quality Assurance and Quality Control	NA
451	CaMPA	Set WMP-29	CaMPA_Set WMP-29_02	2	CaMPA_Set WMP-29_02	<p>PG&amp;E's response to Data Request No. CA Advocates_02R-Q011 on August 15, 2023, states "QC is integrating with execution processes by completing QC in a similar timeline that has been historically established, allowing for better opportunities for re-sharing inspectors, sharing learnings, and making corrections, as necessary."</p> <p>What are the maximum, minimum and average QC completion timelines for detailed ground distribution inspections in 2021?</p> <p>What are the maximum, minimum and average QC completion timelines for detailed ground distribution inspections in 2022?</p> <p>What are the maximum, minimum, maximum, and average QC completion timelines for detailed ground distribution inspections after integration with execution processes?</p>	Holly Wetteman	9/7/2023	9/27/2023	9/27/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_019_q2.pdf">https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_019_q2.pdf</a>	1	NA	8.1.6	Quality Assurance and Quality Control	NA
452	CaMPA	Set WMP-29	CaMPA_Set WMP-29_03	3	CaMPA_Set WMP-29_03	<p>PG&amp;E's response to Data Request No. CA Advocates_02R-Q011 on August 15, 2023, states "QC is integrating with execution processes by completing QC in a similar timeline that has been historically established, allowing for better opportunities for re-sharing inspectors, sharing learnings, and making corrections, as necessary."</p> <p>What are the maximum, minimum and average QC completion timelines for detailed ground distribution inspection and subsequent QC?</p> <p>What are the maximum, minimum and average QC completion timelines for detailed ground distribution inspection and subsequent QC?</p> <p>What are the maximum, minimum, maximum, and average QC completion timelines for detailed ground distribution inspection and subsequent QC?</p> <p>What are the maximum, minimum, maximum, and average QC completion timelines for detailed ground distribution inspection and subsequent QC?</p>	Holly Wetteman	9/7/2023	9/27/2023	9/27/2023	<a href="https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_019_q3.pdf">https://www.pge.com/cgi-bin/submit/submit.cgi?file=/media/oeis/oeis_019_q3.pdf</a>	0	NA	8.1.6	Quality Assurance and Quality Control	NA

453	CAIPA	Sat WMP-23	CAIPA_Sat WMP-23_04	4	CAIPA_Sat WMP-23_04					1	NA	NA	NA	NA			
				<p>Page 63 of PG&amp;E's response states, "For example, we have found certain isolator (i.e., isolator within two feet of an insulator, and number of poles per mile) do not pose an increased risk of ignition, instead of issuing an insulator risk mitigation log; the isolator risk address should be the asset management team as they are a potential indicator of a system asset health issue."</p> <p>"PG&amp;E's 2023 Electric Asset Management Plan for Electric Distribution Overhead Assets (revised) as an AMP, provided responses to Data Request No. GEH04 (CA Advocates/PGE Down Power Lines, questions 3, on June 29, 2022), showed a high correlation between the presence of isolator and the likelihood of wires down for small conductors (ACSR, A-Cu, C-Cu). See slides 11-14 of the AMP."</p> <p>"As the PG&amp;E performed a study on the correlation of the presence of isolator and the likelihood of wires down for larger conductor types? Yes, please provide the results of this study."</p> <p>"If the answer to part (a) is no, please explain why."</p> <p>"If the answer to part (b) is yes, please explain why."</p> <p>"If the answer to part (c) is no, please explain why."</p> <p>"If the answer to part (c) is yes, please explain why."</p> <p>"If the answer to part (d) is no, please explain why."</p> <p>"If the answer to part (d) is yes, please explain why."</p>						<p>1) No, PG&amp;E has not performed the correlation between the presence of isolator and the likelihood of wires down for larger conductor types.</p> <p>2) The current wire down database tracks conductor attributes for wire down incidents caused due to a conductor equipment failure or a non-conductor equipment failure.</p> <p>3) Analysis of this dataset has shown that presence of isolator is one of the contributing factors for conductor equipment failure wire down. Furthermore, data shows that there is a higher failure rate of smaller wire conductors (60 and 40 AWG) associated with overlapping sagging conditions, cross-arm, cross-arm, and thermal sag.</p> <p>4) The failure mechanism of conductor sagging is related to the sagging of the conductor due to the sagging of the conductor.</p> <p>This dataset has also shown that the wire down event frequency per mile per year for small conductors is 0.28 (100000 miles) compared to 0.06 (100000 miles) for larger conductor sizes (all of September 2023). Small conductor failures per 1.24 mile is larger than larger conductors. Our data is from approximately 2018, 2019, 2020, and 2021. September 2023 of the failed conductors are small wire conductors. Therefore, given the high failure rates of failure of small wire conductors, PG&amp;E is currently analyzing and prototyping replacement of small wire conductors for targeted proactive replacement program.</p> <p>PG&amp;E is currently implementing an Integrated Grid Planning project that assesses the health condition of conductor systems in four categories: voltage, risk, capacity, condition, asset health, and reliability. As part of the IGP process we are establishing an asset health risk score for conductor equipment condition, conductors and larger conductors.</p> <p>1) Not applicable, please see the responses to subject B) above.</p> <p>2) The objective of the project was to evaluate the effects of isolator presence on wire and insulator, specifically due to isolation vibration and large displacement cycles from wind sway. The testing was performed for compression isolator with 40, ACSR, 42, copper, and 44 copper conductors. Isolator locations investigated ranged from 0 inches to 16 feet. The results from the physical testing and modeling shows that isolator location had no effect on increased maximum displacements across all responses tested in other than the following categories: 1) maximum vertical displacement, 2) maximum horizontal displacement, and 3) maximum horizontal displacement.</p> <p>1) PG&amp;E's 2023 Electric Asset Management Plan (AMP) was not published due to internal organizational changes and processes. As a result, PG&amp;E does not intend to publish the 2023 AMP, but will continue to update the 2023 AMP.</p> <p>2) PG&amp;E's 2023 AMP has not been approved. We anticipate publication by the end of 2023.</p>							
454	CAIPA	Sat WMP-23	CAIPA_Sat WMP-23_05	5	CAIPA_Sat WMP-23_05					0	NA	NA	NA				
				<p>"Please provide a copy of PG&amp;E's 2023 Electric Asset Management Plan for Electric Distribution Overhead Assets, if available; if not available, please provide the date and become available."</p> <p>"Please provide a copy of PG&amp;E's 2023 Electric Asset Management Plan for Electric Distribution Overhead Assets, if available; if not available, please provide the date and become available."</p>													
455	CAIPA	Sat WMP-23	CAIPA_Sat WMP-23_06	6	CAIPA_Sat WMP-23_06					0	NA	8.2.3.4	Vegetation Management and Inspections	Fall in Migration			
				<p>"Page 107 of PG&amp;E's response states, "Detection of partial-voltage conditions allows Control Center Operators to inspect fault parameters to location where equipment may be in a condition that increases wildfire risk. The technology helps PG&amp;E detect and locate a wire down condition within minutes that may reduce the amount of time a energized wire remains in error cases an igniter and allow first responders to extinguish out-of-control igniters more quickly if they occur."</p> <p>"As PG&amp;E performed a study to determine whether detection of partial-voltage conditions had the potential of time to time a energized wire down? Please provide the results of the study? If yes, please provide a copy of the study? If no, please explain why?"</p> <p>"Please provide a copy of PG&amp;E's 2023 Electric Asset Management Plan for Electric Distribution Overhead Assets, if available; if not available, please provide the date and become available."</p> <p>"If the answer to part (a) is no, please explain why?"</p> <p>"If the answer to part (b) is yes, please explain why?"</p> <p>"If the answer to part (c) is no, please explain why?"</p> <p>"If the answer to part (c) is yes, please explain why?"</p> <p>"If the answer to part (d) is no, please explain why?"</p> <p>"If the answer to part (d) is yes, please explain why?"</p>													
456	CAIPA	Sat WMP-23	CAIPA_Sat WMP-23_07	7	CAIPA_Sat WMP-23_07					0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings			
				<p>"Page 2 of PG&amp;E's reply comments filed on September 1, 2023, states, "EP&amp;S generally does not create outage records that reflect when information occurred. EP&amp;S records occur when the system is energized. In EP&amp;S settings, we do not increase the number of outage events on their own."</p> <p>"Please provide a copy of the electric control system data related to the data that would not have otherwise information."</p> <p>"If the answer to part (a) is no, please explain why?"</p> <p>"If the answer to part (b) is yes, please explain why?"</p> <p>"If the answer to part (c) is no, please explain why?"</p> <p>"If the answer to part (c) is yes, please explain why?"</p>													
457	CAIPA	Sat WMP-23	CAIPA_Sat WMP-23_08	8	CAIPA_Sat WMP-23_08					0	NA	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities			
				<p>"Page 2 of PG&amp;E's reply comments filed on September 1, 2023, states, "The number of outages in the MFR from May to October decreased significantly from 2021 to 2022. Additionally, the number of outages in the MFR during the same time period was only slightly higher in 2022 (8,140 outage events) than in 2020 (8,126 outage events) before EP&amp;S was enabled. For PG&amp;E's quality data reports, PG&amp;E generally experienced fewer RWV circuit mile days in 2022 than in 2020."</p> <p>2020: 2026 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</p> <p>"No, PG&amp;E has not performed a study regarding weather-normalized RWV outage counts in 2020, 2021, and 2022 relative to our EP&amp;S Reliability Migration (RMP) program."</p> <p>"Not applicable, please see the responses to subject B) above."</p> <p>"Not applicable, please see the response to subject B) above."</p> <p>"Not applicable, please see the response to subject B) above."</p> <p>"Not applicable, please see the response to subject B) above."</p> <p>"Not applicable, please see the response to subject B) above."</p>													
458	OEIS	013	OEIS_013	1	OEIS_013_01					0	NA	6.1.1.1	Risk Score Calculations	NA			
				<p>"In article 808 statements in its 2020-2025 WMP (revised 8/7) whether PG&amp;E uses probability distributions or maximum values in its risk score calculations—likelihood (LdR) multiplied by consequences (CdR) to arrive at the final risk score. PG&amp;E indicates that it uses a risk score system to calculate mean (average) MVA by yard which are then aggregated at a risk score."</p> <p>"These calculations of how consequences are calculated in section 6 repeats information with Table 9.2.2.1 on page 808 Section 9. The table states maximum population impact from Technosys simulation is used to calculate consequence."</p> <p>"To address this data request:</p> <p>1. Please indicate whether the consequence component of PG&amp;E's risk score calculations (CdR) uses average or maximum values."</p> <p>2. If PG&amp;E uses maximum values in the consequence component of its risk score calculations, please indicate the maximum values used and whether those values are used in calculating the final risk score."</p> <p>"On September 1, 2023, PG&amp;E submitted a response to supplements to 2023-2025 WMP amendments, in which OEIS requested on September 13, 2023, PG&amp;E request indicate that PG&amp;E documents include additional information regarding consequences (likely) by PG&amp;E, a person who has access to the information. Please provide all documents used in the investigation above regarding information communication between an employee or other representative of PG&amp;E and an employee or other representative of OEIS related to PG&amp;E's 2023-2025 WMP. Please include from the response documents that are publicly available through the public records process, such as data requests from OEIS and PG&amp;E's responses to such data requests."</p>													
459	TURB	014	TURB_014	1	TURB_014_01					1	NA	NA	NA	NA			
				<p>"Requesting a written Benefit Cost Analysis:</p> <p>a. In PG&amp;E's Equipment Reliability Review Responses, PG&amp;E states that it "will be moving away from the WFE's a Wildfire Benefit Cost Analysis (WBCA) or the circuit segment WFE." (p. 76)</p> <p>"How does PG&amp;E's WBCA factor in feasibility?"</p> <p>"How does PG&amp;E determine which mitigations are used in combination when evaluating average effectiveness for the examples in Table PG&amp;E-22-05-013 (shown covered combination with EP&amp;S (OCIT)?) Please provide the calculations used for the normalized risk values shown in Table PG&amp;E-22-05-013-34.</p> <p>"Is using PG&amp;E calculating the normalized risk values as described in an OCIT?</p> <p>"What are the metrics used to determine the maximum risk values used in the calculations? Do you have a table that lists the maximum risk values used in the calculations in the examples in Section 8B (OEIS 808) that you refer to in the WFE with Energy Safety? (p. 82)</p> <p>"What are the metrics used to determine the maximum risk values used in the calculations? Do you have a table that lists the maximum risk values used in the calculations in the examples in Section 8B (OEIS 808) that you refer to in the WFE with Energy Safety? (p. 82)</p> <p>"What are the metrics used to determine the maximum risk values used in the calculations? Do you have a table that lists the maximum risk values used in the calculations in the examples in Section 8B (OEIS 808) that you refer to in the WFE with Energy Safety? (p. 82)</p> <p>"What are the metrics used to determine the maximum risk values used in the calculations? Do you have a table that lists the maximum risk values used in the calculations in the examples in Section 8B (OEIS 808) that you refer to in the WFE with Energy Safety? (p. 82)</p> <p>"What are the metrics used to determine the maximum risk values used in the calculations? Do you have a table that lists the maximum risk values used in the calculations in the examples in Section 8B (OEIS 808) that you refer to in the WFE with Energy Safety? (p. 82)</p>													
460	OEIS	014	OEIS_014	1	OEIS_014_01					0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment			
				<p>201. Regarding a written Benefit Cost Analysis:</p> <p>a. In PG&amp;E's Equipment Reliability Review Responses, PG&amp;E states that it "will be moving away from the WFE's a Wildfire Benefit Cost Analysis (WBCA) or the circuit segment WFE." (p. 76)</p> <p>"How does PG&amp;E's WBCA factor in feasibility?"</p> <p>"How does PG&amp;E determine which mitigations are used in combination when evaluating average effectiveness for the examples in Table PG&amp;E-22-05-013 (shown covered combination with EP&amp;S (OCIT)?) Please provide the calculations used for the normalized risk values shown in Table PG&amp;E-22-05-013-34.</p> <p>"Is using PG&amp;E calculating the normalized risk values as described in an OCIT?</p> <p>"What are the metrics used to determine the maximum risk values used in the calculations? Do you have a table that lists the maximum risk values used in the calculations in the examples in Section 8B (OEIS 808) that you refer to in the WFE with Energy Safety? (p. 82)</p> <p>"What are the metrics used to determine the maximum risk values used in the calculations? Do you have a table that lists the maximum risk values used in the calculations in the examples in Section 8B (OEIS 808) that you refer to in the WFE with Energy Safety? (p. 82)</p> <p>"What are the metrics used to determine the maximum risk values used in the calculations? Do you have a table that lists the maximum risk values used in the calculations in the examples in Section 8B (OEIS 808) that you refer to in the WFE with Energy Safety? (p. 82)</p> <p>"What are the metrics used to determine the maximum risk values used in the calculations? Do you have a table that lists the maximum risk values used in the calculations in the examples in Section 8B (OEIS 808) that you refer to in the WFE with Energy Safety? (p. 82)</p> <p>"What are the metrics used to determine the maximum risk values used in the calculations? Do you have a table that lists the maximum risk values used in the calculations in the examples in Section 8B (OEIS 808) that you refer to in the WFE with Energy Safety? (p. 82)</p>													



465	CaPA	Sat WMP-30	CaPA_Sat WMP-30_04	4	CaPA_Sat WMP-30_04	<p>The following questions refer to the risk scores generated from WORM v4. This should be understood to refer to PG&amp;E's responses to questions 1 and 2 above.</p> <p>Please provide a GDS 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)B). This file should contain the following:</p> <ul style="list-style-type: none"> <li>(a) Geometric features identifying the relevant geometry for each risk score. This may be polygons that depict "zones," lines that depict circuit segments, points that depict assets, or other geometry that best suits the relevant risk score. If multiple risk scores are generated from the same geometry, PG&amp;E plans to make the model information available with the 2025 WMP Update.</li> <li>(b) For each geometric feature, please include all relevant risk scores from questions 1)G) and 2)B) as attributes.</li> <li>(c) For each geometric feature, include the circuit identification number as an attribute.</li> <li>(d) For each geometric feature, include the circuit segment name as an attribute.</li> <li>(e) As needed, include unique identification for each geometric feature (e.g., asset ID, substitution name, etc.)</li> </ul>	<p>4) - 1) As stated in the response to Questions 001 - 003, the WORM v4 is not currently available. PG&amp;E plans to make the model information available with the 2025 WMP Update.</p>	Holly Wettem	10/1/2023	10/25/2023	10/30/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
469	CaPA	Sat WMP-30	CaPA_Sat WMP-30_05	5	CaPA_Sat WMP-30_05	<p>The following questions refer to the risk scores generated from WORM v4. This should be understood to refer to PG&amp;E's responses to questions 1 and 2 above.</p> <p>Please provide a spreadsheet that lists (a) each circuit segment that is included in the Wildfire Distribution Risk Model v4. This spreadsheet should include, at a minimum, the following columns:</p> <ul style="list-style-type: none"> <li>(a) Name or ID number of each circuit segment.</li> <li>(b) Circuit name for the circuit that each segment is part of.</li> <li>(c) Circuit ID for the circuit that each segment is part of.</li> <li>(d) Lineage path.</li> <li>(e) The point count of the circuit segment. (C&amp;I Advocates understands this to be the number of 100m x 100m pixels assigned to the WORM v4 along the length of the circuit segment.)</li> <li>(f) The average risk value(s) associated with each point along the circuit segment. (In previous versions of the risk model, this was referred to as the "mean WMP score (M)" or "mean WMP.")</li> </ul> <p>(b) Total circuit-miles on the circuit segment.</p> <p>(c) Total non-HFTD overhead circuit-miles on the circuit segment.</p> <p>(d) Total Tier 2 overhead circuit-miles on the circuit segment.</p> <p>(e) Total Tier 3 overhead circuit-miles on the circuit segment.</p> <p>(f) Total underground circuit-miles on the circuit segment.</p> <p>(g) Total Tier 2 underground circuit-miles on the circuit segment.</p> <p>(h) Total Tier 3 underground circuit-miles on the circuit segment.</p> <p>(i) Each risk score listed in a separate and labeled column (as identified in question 1)G) that is used at the segment level to inform wildfire mitigation relations. (May require multiple columns.)</p> <p>(j) For composite risk scores (such as a separate and labeled column identified in question 2)B) that is used at the segment level to inform wildfire mitigation relations, please provide the following information:</p>	<p>4) - 1) As stated in the response to Questions 001 - 004, the WORM v4 is not currently available. PG&amp;E plans to make the model information available with the 2025 WMP Update.</p>	Holly Wettem	10/1/2023	10/25/2023	10/30/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
470	CaPA	Sat WMP-30	CaPA_Sat WMP-30_06	6	CaPA_Sat WMP-30_06	<p>The following questions refer to the risk scores generated from WORM v4. This should be understood to refer to PG&amp;E's responses to questions 1 and 2 above.</p> <p>Has the E3 or another entity performed an independent review of the WORM v4?</p> <ul style="list-style-type: none"> <li>(a) If the answer to part (a) is yes, please provide a copy of any report and explain how the independent review of the WORM v4.</li> <li>(b) If the answer to part (a) is no, does PG&amp;E plan to have E3 or a similar entity perform an independent review of the WORM v4?</li> <li>(c) If the answer to part (b) is no, please explain why not.</li> <li>(d) If the answer to part (b) is yes, when does PG&amp;E expect the review to be completed?</li> </ul>	<p>4) - 1) The WORM v4 is currently under review by E3. PG&amp;E expects that the E3 review will be completed and available with the 2025 WMP Update.</p>	Holly Wettem	10/1/2023	10/25/2023	10/30/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
471	CaPA	Sat WMP-30	CaPA_Sat WMP-30_07	7	CaPA_Sat WMP-30_07	<p>The following questions refer to the risk scores generated from WORM v4. This should be understood to refer to PG&amp;E's responses to questions 1 and 2 above.</p> <p>Has PG&amp;E created a detailed overview document that details the WORM v4, similar to the "2021 Wildfire Distribution Risk Model Overview" that PG&amp;E submitted following the public workshop held on October 5 and 6, 2021?</p> <ul style="list-style-type: none"> <li>(a) If the answer to part (a) is yes, please provide a copy of the document.</li> <li>(b) If the answer to part (a) is no, does PG&amp;E plan to create such a document?</li> <li>(c) If the answer to part (b) is no, please explain why not.</li> <li>(d) If the answer to part (b) is yes, when does PG&amp;E expect the document to be completed?</li> </ul>	<p>4) - 1) As stated in the response to Questions 001 - 005, the WORM v4 is not currently available. PG&amp;E plans to make the model information available with the 2025 WMP Update. PG&amp;E anticipates preparing a similar document as part of the 2025 WMP Update.</p>	Holly Wettem	10/1/2023	10/25/2023	10/30/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
472	CaPA	Sat WMP-30	CaPA_Sat WMP-30_08	8	CaPA_Sat WMP-30_08	<p>The following questions refer to the risk scores generated from WORM v4. This should be understood to refer to PG&amp;E's responses to questions 1 and 2 above.</p> <p>Page 75 of PG&amp;E's 2023-2025 Wildfire Mitigation Plan Supplemental Responses to Revision Notice, September 27, 2023 states, "When we begin using the WORM v4 and incorporating it with the WBCA (Wildfire Benefit Cost Analysis), risk ranking and project prioritization will include wildfire risk reduction, reliability benefits, public safety, project costs, and other factors that the present version of WORM does not. The costs and benefits of an interdependency project."</p> <ul style="list-style-type: none"> <li>(a) Does the WORM v4 include an estimation of reliability benefits, as discussed in the above quote? Please explain why.</li> <li>(b) Does the WORM v4 include an estimation of public safety, as discussed in the above quote? Please explain why.</li> <li>(c) Does the WORM v4 include an estimation of project costs, as discussed in the above quote? Please explain why.</li> </ul>	<p>4) - 1) - c) The WORM v4 score does not include the estimated benefits requested in parts a, b, and c. Reliability benefits, public safety, and project costs will be considered in part of the WBCA, and will be part of the WBCA.</p>	Holly Wettem	10/1/2023	10/25/2023	10/30/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
473	CaPA	Sat WMP-31	CaPA_Sat WMP-31_01	1	CaPA_Sat WMP-31_01	<p>The following questions pertain to PG&amp;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&amp;E provided a table (Table 8-8-1) showing the total number of past due transmission asset work orders by age and HFTD tier. Please provide a similar table for past due distribution asset work orders by age and HFTD tier as of September 30, 2023.</p> <p>Number of Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area</p> <ul style="list-style-type: none"> <li>0 - 30 Days</li> <li>31 - 60 Days</li> <li>61 - 90 Days</li> <li>91 - 180 Days</li> <li>181+ Days</li> <li>Non - HFTD</li> </ul> <p>HFTD Tier 2</p> <p>HFTD Tier 3</p>	<p>Please see the table below for the requested information.</p> <p>Number of Past Due Transmission Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area = 30 Days 31 - 60 Days 91 - 180 Days 181+ Days</p> <p>Non - HFTD 1877 1514 1467 1619</p> <p>HFTD Tier 2 14526 1945 1149</p> <p>HFTD Tier 3 60 54 98 835</p>	Holly Wettem	10/1/2023	10/28/2023	10/29/2023	0	NA	8.1.7	Open Work Orders	NA
474	CaPA	Sat WMP-31	CaPA_Sat WMP-31_02	2	CaPA_Sat WMP-31_02	<p>The following questions pertain to PG&amp;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&amp;E provided a table (Table 8-8-1) showing the total number of past due transmission asset work orders by age and HFTD tier. Please provide a similar table for past due distribution asset work orders by age and HFTD tier as of September 30, 2023.</p> <p>Number of Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area</p> <ul style="list-style-type: none"> <li>0 - 30 Days</li> <li>31 - 60 Days</li> <li>61 - 90 Days</li> <li>91 - 180 Days</li> <li>181+ Days</li> <li>Non - HFTD</li> </ul> <p>HFTD Tier 2</p> <p>HFTD Tier 3</p>	<p>Please see the table below for the requested information.</p> <p>Number of Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area = 30 Days 31 - 60 Days 91 - 180 Days 181+ Days</p> <p>Non - HFTD 18,404 18,327 41,337 206,643</p> <p>HFTD Tier 2 3,303 18,127 20,558 65,901</p> <p>HFTD Tier 3 230 289 847 65,907</p>	Holly Wettem	10/1/2023	10/28/2023	10/29/2023	0	NA	8.1.7	Open Work Orders	NA
475	CaPA	Sat WMP-31	CaPA_Sat WMP-31_03	3	CaPA_Sat WMP-31_03	<p>The following questions pertain to PG&amp;E's 2023 - 2025 WMP Revision 3, submitted on September 27, 2023, Section 8.1.7 - Open Work Orders.</p> <p>On page 537 of your 2023 - 2025 WMP R3, PG&amp;E stated with regard to distribution asset work orders, "PG&amp;E will provide the number of past due asset work orders, categorized by age, in the HFTD from 03/2020 through 03/2023."</p> <ul style="list-style-type: none"> <li>(a) Please list the reasons why PG&amp;E was unable to provide the number of past due asset work orders, categorized by age, in the HFTD as stated above.</li> <li>(b) Please list any steps PG&amp;E has taken to improve its ability to provide the number of past due asset work orders, categorized by age, in the HFTD as stated above.</li> </ul>	<p>4) At the time of filing the 2023 - 2025 WMP, PG&amp;E did not have the capability to extract the data at the granularity requested. Therefore, PG&amp;E was unable to provide the number of past due asset work orders and, therefore, submit the Quarterly Data Report, Table 2, metrics 7 as a proxy to generate the number of past due asset work orders.</p> <p>4) Through 03/2023, PG&amp;E has improved its data extraction capabilities and is now able to provide this data at the requested granularity. This capability has improved by improving additional data processes and creating a dedicated data loading process. This semi-automated process will now allow us to pull data more easily and the capabilities to improve.</p>	Holly Wettem	10/1/2023	10/28/2023	10/30/2023	0	NA	8.1.7	Open Work Orders	NA
476	CaPA	Sat WMP-31	CaPA_Sat WMP-31_04	4	CaPA_Sat WMP-31_04	<p>The following questions pertain to PG&amp;E's 2023 - 2025 WMP Revision 3, submitted on September 27, 2023, Section 8.1.7.2 - Open Work Orders - Distribution Tags in PG&amp;E's 2023 - 2025 WMP R3 documents a subset of open work orders referred to as "tagged" tags. Please provide a table similar to Table 8-8-1 for all past due open work orders, distribution asset work orders by age and HFTD tier as of September 30, 2023.</p> <p>Number of "tagged" Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area</p> <ul style="list-style-type: none"> <li>0 - 30 Days</li> <li>31 - 60 Days</li> <li>61 - 90 Days</li> <li>91 - 180 Days</li> <li>181+ Days</li> <li>Non - HFTD</li> </ul> <p>HFTD Tier 2</p> <p>HFTD Tier 3</p>	<p>Please see the table below for the requested information.</p> <p>Number of "tagged" Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>HFTD Area = 30 Days 31 - 60 Days 91 - 180 Days 181+ Days</p> <p>Non - HFTD 23 209 454 6,077</p> <p>HFTD Tier 2 1,191 1,492 23 409 63,512</p> <p>HFTD Tier 3 148 103 763 65,157</p>	Holly Wettem	10/1/2023	10/28/2023	10/29/2023	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>Could you calculate the July Table RW-PG&amp;E-23-05-05. Explain specifically how Risk Avoidance over Lifetime Benefit is calculated from Total Risk, given 85 of PG&amp;E's 2023-2025 Wildfire Mitigation Plan (WMP) - Supplemental Revision Notice Response?</p>	<p>In critical issue RW-PG&amp;E-23-05, PG&amp;E explained that in response to the Commission decision in the Risk-Based Decision-Making Framework for RBCMP,1 we are in the process of constructing a benefit-cost model. The model will incorporate several elements of the mitigation selection decision-making process into an analytical model. PG&amp;E will use the Wildfire Benefit Cost Analysis (WBCA) tool. In RW-PG&amp;E-23-05 PG&amp;E provided an example of the output from the WBCA model for an investment in a mitigation project (Table RW-PG&amp;E-23-05-3).</p> <p>PG&amp;E responded to an Energy Safety Data Requested seeking for more information about the WBCA. In that response, the WBCA model submitted for the 2023-2025 WMP is based on PG&amp;E's Wildfire Distribution Risk Model (WDRM) and none of the 2022-2026 projects included in the WMP. The WBCA model submitted for the 2023-2025 WMP is based on PG&amp;E's WBCA being developed to support PG&amp;E's 10-year (2018-2028) underground plan and we anticipate finalizing the WBCA for that submission in 2024. We anticipate eventually using the WBCA to inform project selection for PG&amp;E's long-term underground plan and future WMPs.</p> <p>Because the WBCA is still in development, PG&amp;E is not in position to respond to either 4) or 5) at this time.</p>	Harry Sweet	10/1/2023	10/1/2023	10/1/2023	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	Provide calculations that justify Table RN/PG&E-23-05-3. Explain specifically how Risk Avoidance over Lifetime Benefit is calculated from Total Risk (page 65) & PG&E's 2023-2025 Wildlife Mitigation Plan (WMP) - Supplemental Response Notes Release.	Please see "WMP-Discovery2023_DR_SPD_012-001/Model Tab" for the actual and underlying data. This table was last updated by PG&E in April 2023 to update the chart in Q2 of 2023 as per the Risk Assessment and Mitigation Phase (RAM) Blog. Please note, there was a non-measurable correction to the visual data labels. Both the original and corrected visual data labels are provided in the attachment.	Henry Sweet	1/13/2023	1/15/2023	1/14/2023	<a href="https://www.pge.com/content/dam/Type/Doc/DocId/2023-012-001/Model%20Tab.pdf">https://www.pge.com/content/dam/Type/Doc/DocId/2023-012-001/Model%20Tab.pdf</a>	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	Provide a numerical justification that shows the risk from outages or other sources for EPSS compares to benefits of EPSS (see wildfire, above). WSP would prefer the analysis performed using cost benefit ratios (similar to the above in Table RN/PG&E-23-05-3).	Please see PG&E's response to Question 1 of the data request.	Henry Sweet	10/12/2023	10/17/2023	10/17/2023	<a href="https://www.pge.com/content/dam/Type/Doc/DocId/2023-011-002/Response%20to%20Question%201.pdf">https://www.pge.com/content/dam/Type/Doc/DocId/2023-011-002/Response%20to%20Question%201.pdf</a>	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	Please provide the following data for the years 2020, 2021, 2022, and 2023: a) Number of miles of underground distribution that PG&E installed as part of overhead-to-undergrounding conversion projects for the purpose of wildfire risk reduction. b) Number of miles of overhead distribution PG&E removed as part of the same projects in part (a).	Please see the table below with the data requested for subjects a and b. a) Please see row (a) LG Miles Completed. Included are the miles of underground primary distribution lines installed each year 2020-2022 for the purpose of wildfire risk reduction. The data provided in 2023 is year to date through November 1, 2023, in addition to the miles completed. PG&E also has approximately 200 miles currently in progress (e.g., permit processing, in construction, trench complete, conduit installed, ready for cable pulling). b) Please see row (b) CH Miles Removed. Included are the estimated miles of overhead primary distribution lines PG&E has removed as part of undergrounding projects for the purpose of wildfire risk reduction. PG&E historically did not track exactly the overhead miles replaced by each project. Therefore, the overhead miles included are calculated based on LG Miles Completed using a standard conversion factor for rebuild projects or all other undergrounding projects. For Concretely installed projects (Bates and Greenleaf) for every 1.52 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 2021 2022 2023 Total a) LG Miles Completed 42.4 73.2 179.8 208.6 503.9 b) CH Miles Removed (est.) 27.9 54.3 126.4 373.4	Holy Waterman	10/31/2023	1/14/2023	1/14/2023	<a href="https://www.pge.com/content/dam/Type/Doc/DocId/2023-011-001/Response%20to%20Question%201.pdf">https://www.pge.com/content/dam/Type/Doc/DocId/2023-011-001/Response%20to%20Question%201.pdf</a>	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	Please provide the same information as requested in Question 1 for undergrounding projects that fall into each of the following categories: a) Wildfire rebuild/undergrounding. b) Any other undergrounding not included in Question 1 or parts a and b of this question.	Please see the table provided below with the data requested for subjects a - c. a) Please see row (a) Rule 20. Included are the undergrounding miles of primary distribution lines in High Fire Threat Districts (PFTD) and/or High Fire Risk Areas (HFRA) as part of the following programs: • Rule 20A - 100% utility funding • Rule 20B - partially utility funding • Rule 20C - non-utility funding Note: the data does not include all Rule 20 projects. It includes only those Rule 20 projects that have taken place in the PFTD/HFRA given the impact of these projects on existing wildfire risk. b) Please see row (b) Wildfire Rebuild. Included are the undergrounding miles of primary distribution lines completed as part of wildfire rebuild. The rebuild work in our Fire Rebuild Program that are located in an PFTD/HFRA, as well as the distribution lines through PG&E's targeted undergrounding program, as well as discrete projects and work requested by others located in an PFTD/HFRA. 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 discrete projects and work requested by others located in an PFTD/HFRA. Please note, PG&E previously did not track overhead miles replaced. However, the overhead miles replaced is calculated based on LG Miles Completed using a standard conversion factor for rebuild projects or all other undergrounding projects. For WMP-Discovery2023_DR_CaPA/Responses_032-0002 Page 2, CaPA/Responses_032-0004 Page 2, and Greenleaf/Responses_032-0004 Page 2, 1.25 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.	Holy Waterman	10/31/2023	1/14/2023	1/14/2023	<a href="https://www.pge.com/content/dam/Type/Doc/DocId/2023-011-002/Response%20to%20Question%202.pdf">https://www.pge.com/content/dam/Type/Doc/DocId/2023-011-002/Response%20to%20Question%202.pdf</a>	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	Please provide copies of all current sub-contract contracts PG&E has executed with other entities with regard to any of the following: a) Sublets of materials related to distribution undergrounding projects. b) Entities who perform labor related to distribution undergrounding projects. c) Sublets who assist PG&E with planning, permitting, environmental review, and other similar non-construction tasks related to distribution undergrounding projects. d) Any other entities who provide goods or services to PG&E in relation to distribution undergrounding projects.	The attachments to this response contain CONFIDENTIAL information and are being provided pursuant to the necessary confidentiality designation "WMP-Discovery2023_DR_CaPA/Responses_032-0003, Confidentiality Designation." PG&E does not have a sole source contract process that involves state and federal sole-source contracting. Instead, PG&E has a direct award process that documents contracts that are awarded over open tender thresholds to suppliers that are not preferred suppliers (generally, require services agreement or direct government acquisition). PG&E currently uses a Direct Award Documentation (DAD) form to document our direct awards. PG&E identified four direct award contracts that we have executed with entities providing goods and services related to supply loading distribution undergrounding projects. The population of contracts PG&E reviewed included contracts for the period between 2020 and 2023 and where the total contract period during that period was greater than \$100,000. The direct award contracts reviewed are: • WMP-Discovery2023_DR_CaPA/Responses_032-0003A1402CONRF.pdf • WMP-Discovery2023_DR_CaPA/Responses_032-0003A1402CONRF.pdf • WMP-Discovery2023_DR_CaPA/Responses_032-0003A1402CONRF.pdf • WMP-Discovery2023_DR_CaPA/Responses_032-0003A1402CONRF.pdf Attachments 01-05 are the Direct Award Documentation and Contract, including Contract Change Order for the first vendor who received a direct award contract. Attachments 01-05 are the Direct Award Documentation and Contract for the second vendor who received a direct award contract. a) See response to part 1. b) See response to part 1. c) See response to part 1. d) See response to part 1.	Holy Waterman	10/31/2023	12/1/2023	12/1/2023	<a href="https://www.pge.com/content/dam/Type/Doc/DocId/2023-011-003/Response%20to%20Question%203.pdf">https://www.pge.com/content/dam/Type/Doc/DocId/2023-011-003/Response%20to%20Question%203.pdf</a>	5	NA	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	Describe all vegetation management activities that PG&E typically performs around the following line types. In your responses to parts (b) through (c), please describe 1) and 2) what steps PG&E's vegetation management activities for that category meaningfully differ compared to your response to part (a). a) Aboveground distribution mainlines located in HFTH/HFRA. b) Aboveground distribution mainlines located in HFTH/HFRA. c) Aboveground distribution mainlines located in HFTH/HFRA. d) Right-of-way for underground distribution located in HFTH/HFRA.	a) We answer this question to address Primary Distribution voltages 48V, 120V, 170V and 210V. The following program target work on CH lines: • Annual Routine Tree Inspection (system-wide on all lines), resulting pruning on the networks. • Pruning to maintain 18 inches of year-round clearance inside PFTD and HFRA. • Pruning to maintain 4 feet of year-round clearance inside PFTD and HFRA and pruning to maintain 4 feet of clearance inside SRA during seasonal fire seasons. • Maintenance of Overhang removal in EVM circuit segments completed 2019-2022. • Mitigation up to complete tree removal for hazardous tree conditions identified during tree inspections or through PG&E attention by other inspection programs, customer or agency notifications. • Second Point Tree Inspection in PFTD and HFRA, resulting pruning near tree removals. • Second inspections approximately 6 months after Annual Routine Inspections to identify emerging hazardous tree conditions. WMP-Discovery2023_DR_CaPA/Responses_032-0004 Page 2 b) Tree Mortality • Priority Tree work based on local or tree specific conditions. c) Address tree response (growth) that annual pruning currently mitigates to maintain compliance with Minimum Distance Requirements. • Vegetation Control (Fuelbreak maintenance) in SRA/FRANFTD and HFRA. • All poles supporting equipment not specifically exempted by 14 CCR 1200. • Additional inventory in PFTD and HFRA supporting the same equipment requiring maintenance in SRA and FRA. • These poles are all monitored and evaluated for risk. • Low risk poles are not maintained unless conditions change or are at risk. https://www.pge.com/content/dam/Type/Doc/DocId/2023-011-004/Response%20to%20Question%204.pdf	Holy Waterman	10/31/2023	1/14/2023	1/14/2023	<a href="https://www.pge.com/content/dam/Type/Doc/DocId/2023-011-004/Response%20to%20Question%204.pdf">https://www.pge.com/content/dam/Type/Doc/DocId/2023-011-004/Response%20to%20Question%204.pdf</a>	0	NA	8.2	Vegetation Management and Inspections	NA
483	CaPA	Set WMP-32	CaPA_Set WMP-32	5	CaPA_Set WMP-32_05	Please estimate the typical, annual cost per mile of vegetation management activities that PG&E performs around the following line types: a) Aboveground distribution mainlines located in HFTH/HFRA. b) Aboveground distribution mainlines located in HFTH/HFRA. c) Aboveground distribution mainlines located in HFTH/HFRA. d) Right-of-way for underground distribution located in HFTH/HFRA.	a) Please see table below for Budget and Second Point tree removal average cost per mile of VM Distribution programs based on 2022 annual spend and 2022 actual miles. PG&E tracks costs for areas VM program and does not track these costs for Non-PFTD versus HFTH/HFRA, etc. Please note that most cost per mile are currently unavailable for TRU, FTI, and VMOM as these programs were introduced in 2023. Program Cost Per Mile Routine SR 820 based on 2022 Second Point SR 820 based on 2022 FTI Unavailable TRU Unavailable VMOM Unavailable b) VM activities on aboveground distribution mainlines occur simultaneously with the activities completed for distribution mainlines. Please see table in part 'a' for the average cost per mile for VM activities combined within the Routine and Second Point programs. c) Please see table in part 'a' for any costs associated with VM activities in HFTH/HFRA. d) Not applicable as P&E does not conduct inspections on right-of-way (ROW) for underground distribution lines.	Holy Waterman	10/31/2023	1/14/2023	1/14/2023	<a href="https://www.pge.com/content/dam/Type/Doc/DocId/2023-011-005/Response%20to%20Question%205.pdf">https://www.pge.com/content/dam/Type/Doc/DocId/2023-011-005/Response%20to%20Question%205.pdf</a>	9	NA	8.2	Vegetation Management and Inspections	NA
484	CaPA	Set WMP-32	CaPA_Set WMP-32	6	CaPA_Set WMP-32_06	Can PG&E demonstrate that, in every project to replace overhead line distribution with covered conductor, PG&E performs pole loading calculations for every pole in the project? a) In the above characterization context? Please elaborate if incorrect. b) Does PG&E have a threshold safety factor for pole loading calculation or which will replace poles in a project? c) If the answer to part (b) is yes, please describe PG&E's threshold. d) If the answer to part (b) is no, please explain how PG&E determines which poles to replace in a project.	PG&E performs pole loading calculations for every pole in the project when the supporting the covered conductor. PG&E adheres to the requirements of General Order 96, Rule 4. In addition, for covered conductor projects, we adhere to our fire area design guidelines, which is included in the attachment "WMP-Discovery2023_DR_CaPA/Responses_032-0004/01-01.pdf". c) Please see the response to subject (b), which explains the guidelines we follow. d) Not applicable, please see the response to subject (b).	Holy Waterman	10/31/2023	1/14/2023	1/14/2023	<a href="https://www.pge.com/content/dam/Type/Doc/DocId/2023-011-006/Response%20to%20Question%206.pdf">https://www.pge.com/content/dam/Type/Doc/DocId/2023-011-006/Response%20to%20Question%206.pdf</a>	1	NA	7.2.1	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy

455	CaPA	Sat WMP-12	CaPA_Sat WMP-12	7	CaPA_Sat WMP-12_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 information:</p> <ul style="list-style-type: none"> <li>a) All Data</li> <li>b) The Safety Factor after covered conductor replacement (covered conductor)</li> <li>c) Estimated safety factor after conductor replacement (covered conductor)</li> <li>d) Whether the pole was replaced based on safety factor</li> <li>e) Whether the pole was actually replaced.</li> </ul>	Holly Waterman	10/31/2023	1/14/2023	1/14/2023	<p>Please see attachment "WMP-Disclosure2023_DR_CaPAAdvocates_03-0201491401.docx" for the full pole loading calculations performed as part of covered conductor projects that were constructed in 2022 and have completed the quality verification process. Projects constructed in 2023 are still undergoing quality verification and have not been included in this report.</p> <p>The report contains the following information:</p> <ol style="list-style-type: none"> <li>1. The Pole SAP Equipment ID for the in-service poles.</li> <li>2. The Safety Factor after covered conductor installation.</li> <li>3. The Service Pole Status options for the data field are as follows: <ul style="list-style-type: none"> <li>"Satisfy" means that the pole did not need to be replaced as a result of covered conductor installation.</li> <li>"Refreshed" means that the pole was replaced as part of the covered conductor replacement project.</li> <li>"New" means that the pole is newly required as part of the covered conductor replacement project. It will not occur in the location prior to the covered conductor installation project.</li> </ul> </li> <li>4. The Work Order Number for the project as follows: <ul style="list-style-type: none"> <li>WMP-Disclosure2023_DR_CaPAAdvocates_032202 Page 2</li> </ul> </li> <li>5. Complete.</li> </ol> <p>c) Create of Conductor options for this data field are as follows:</p> <ul style="list-style-type: none"> <li>* A.</li> <li>* B.</li> <li>* C.</li> </ul> <p>d) Loadcase options for this data field are as follows:</p> <ul style="list-style-type: none"> <li>* GD 95.</li> <li>* NESC.</li> </ul> <p>e) This information has been included in the attachment, as described in item 1 above. PGE's auditing process does not include performing a pole loading calculation of the pole in the configuration prior to covered conductor installation. We model the pole with the covered conductor and equipment for the new project and make a determination as to whether the pole is adequately sized to remain in-service. If a replacement is required, the replacement is indicated in the data.</p>	1	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
456	CaPA	Sat WMP-13	CaPA_Sat WMP-13	8	CaPA_Sat WMP-13_08	<p>For each year from 2020 through 2023, please provide ten randomly selected pole loading calculations performed as part of a bare-to-covered conductor replacement project. For these calculations, provide the following information:</p> <ul style="list-style-type: none"> <li>a) The full calculation inputs.</li> <li>b) Any interpretations associated with the calculation for example, an engineer's determination that the calculation demonstrates a pole must be replaced.</li> </ul>	Holly Waterman	10/31/2023	1/14/2023	1/14/2023	<p>Please see attachment "WMP-Disclosure2023_DR_CaPAAdvocates_032202 Page 2" for the full pole loading calculations performed as part of covered conductor projects from 2020, 2021, and 2022. Please see attachment "WMP-Disclosure2023_DR_CaPAAdvocates_032202" for the full pole loading calculations performed as part of covered conductor projects from 2020, 2021, and 2022. Please see attachment "CONFER Job" for the full pole loading calculations provided. Each of these calculations includes the full calculation inputs, and associated information (interpretations) to identify if the pole is in or out of service.</p>	1	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
457	O&E	OIS	O&E_OIS	1	O&E_OIS_01	<p>Regarding confirmation of 2024/2025 tags:</p> <p>PG&amp;E's 2023/2025 WMP Revision 3, Table 6.1.7.2 (page 555) shows that PG&amp;E expects to close 60,200 loading distribution (LD) tag logs in 2024 and 60,000 loading distribution (LD) tag logs in 2025. PG&amp;E's 2023/2025 WMP Revision 3, Table 6.1.7.2 (page 555) shows that PG&amp;E expects to close 60,200 LD tag logs in 2024 and 60,000 LD tag logs in 2025. PG&amp;E's 2023/2025 WMP Revision 3, Table 6.1.7.2 (page 555) shows that PG&amp;E expects to close 60,200 LD tag logs in 2024 and 60,000 LD tag logs in 2025. PG&amp;E's 2023/2025 WMP Revision 3, Table 6.1.7.2 (page 555) shows that PG&amp;E expects to close 60,200 LD tag logs in 2024 and 60,000 LD tag logs in 2025.</p> <p>If not, explain the discrepancy between the commit to close 60,200 loading distribution (LD) tag logs in 2024 and 60,000 loading distribution (LD) tag logs in 2025 (Table 6.1.7.2, page 555) to the targets outlined in Tables 6.1.7.2 and WMP-G&amp;E-23-04-2.</p>	Dakota Smith	11/9/2023	1/18/2023	1/18/2023	<p>The discrepancy between the two tables reflects expected customer response volume as compared to the minimum required tags to meet our risk reduction targets. The 40,000 tag logs represent the minimum required tags needed to meet our 49% wildfire risk reduction in the tag backlog, which was set as the target in our initial WMP submissions. Given the trending approach presented in the subsequent wildfire risk reduction, we anticipate that we will be able to complete a larger number of tags to meet the quantity and risk reduction targets. This information was initially sent in Table 6.1.7.2, in both years. Additionally, the population of tags closed to meet our risk reduction targets is not the total number of tags closed, as included in writing Table 6.1.7.2 for the Revision Three response includes some tags completed in 2023. These tags were not part of the initial backlog population when the WMP target was written earlier in the year. Thus, Table 6.1.7.2 is based on the backlog population at the time of writing the initial 2023 WMP, while Table 6.1.7.2 reflects a more current view of the tag population.</p>	0	NA	8.1.7	Open Work Orders	NA
458	CaPA	Sat WMP-13	CaPA_Sat WMP-13	1	CaPA_Sat WMP-13_01	<p>Please provide an Excel sheet listing (a) 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> <ul style="list-style-type: none"> <li>a) Work order ID number.</li> <li>b) Equipment type.</li> <li>c) Asset type: Distribution or transmission.</li> <li>d) Utility-specific priority level (A or B).</li> <li>e) Date the tag was originally created.</li> <li>f) Date the date of the original work order.</li> <li>g) Most recent date the work order was resubmitted or modified (if applicable).</li> <li>h) Date the work order after it was resubmitted or modified (if applicable).</li> <li>i) Date the work order was completed &amp; closed, if any.</li> </ul> <p>Note: work order ID should match the ODS for 2023.</p> <p>Please provide an Excel sheet listing (a) each asset work order (or "tag") that was open as of September 25, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Work order ID number.</li> <li>b) Equipment type.</li> <li>c) Asset type: Distribution or transmission.</li> <li>d) Utility-specific priority level (A or B).</li> <li>e) Date the tag was originally created.</li> <li>f) Date the date of the original work order.</li> <li>g) Most recent date the work order was resubmitted or modified (if applicable).</li> <li>h) Date the work order after it was resubmitted or modified (if applicable).</li> <li>i) Date the work order was completed &amp; closed, if any.</li> </ul> <p>Note: work order ID should match the ODS for 2023.</p>	Aaron Lucie	11/9/2023	1/18/2023	1/18/2023	<p>Please see attachment "WMP-Disclosure2023_DR_CaPAAdvocates_033-0201491401.docx" for the requested data.</p> <p>The data in columns A through J of the attachment has been provided from the 2023 O2 ODS for any tags where the original priority column F is A or B, or where the utility specific priority level at the end of Q2 is A or B (column M). Two columns, K and L, have been added to indicate the date the work was completed in the field and column L indicates the date of closure in SAP. Field completion and closure dates were pulled on November 21.</p>	1	NA	8.1.7	Open Work Orders	NA
459	CaPA	Sat WMP-13	CaPA_Sat WMP-13	2	CaPA_Sat WMP-13_02	<p>Please provide an Excel sheet listing (a) each asset work order (or "tag") that was open as of September 25, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Work order ID number.</li> <li>b) Equipment type.</li> <li>c) Asset type: Distribution or transmission.</li> <li>d) Utility-specific priority level (A or B).</li> <li>e) Date the tag was originally created.</li> <li>f) Date the date of the original work order.</li> <li>g) Most recent date the work order was resubmitted or modified (if applicable).</li> <li>h) Date the work order after it was resubmitted or modified (if applicable).</li> <li>i) Date the work order was completed &amp; closed, if any.</li> </ul> <p>Note: work order ID should match the ODS for 2023.</p> <p>Please provide an Excel sheet listing (a) each asset work order (or "tag") that was open as of September 25, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Work order ID number.</li> <li>b) Equipment type.</li> <li>c) Asset type: Distribution or transmission.</li> <li>d) Utility-specific priority level (A or B).</li> <li>e) Date the tag was originally created.</li> <li>f) Date the date of the original work order.</li> <li>g) Most recent date the work order was resubmitted or modified (if applicable).</li> <li>h) Date the work order after it was resubmitted or modified (if applicable).</li> <li>i) Date the work order was completed &amp; closed, if any.</li> </ul> <p>Note: work order ID should match the ODS for 2023.</p>	Aaron Lucie	11/9/2023	1/18/2023	1/18/2023	<p>On November 11, 2023, PG&amp;E confirmed with Cal Advocates that providing data as of September 2023, is sufficient for this response.</p> <p>Please see attachment "WMP-Disclosure2023_DR_CaPAAdvocates_033-0201491401.docx" for the requested data.</p> <p>The data in columns A through J of the attachment has been provided from the 2023 O2 ODS for any tags where the original priority column F is A or B, or where the utility specific priority level at the end of Q3 is A or B (column M). Two columns, K and L, have been added to indicate the date the work was completed in the field and column L indicates the date of closure in SAP. Field completion and closure dates were pulled on November 21.</p>	1	NA	8.1.7	Open Work Orders	NA
460	CaPA	Sat WMP-13	CaPA_Sat WMP-13	3	CaPA_Sat WMP-13_03	<p>Please provide an Excel sheet listing (a) each asset work order (or "tag") that was open as of September 27, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Work order ID number.</li> <li>b) Equipment type.</li> <li>c) Asset type: Distribution or transmission.</li> <li>d) Utility-specific priority level (A or B).</li> <li>e) Date the tag was originally created.</li> <li>f) Date the date of the original work order.</li> <li>g) Most recent date the work order was resubmitted or modified (if applicable).</li> <li>h) Date the work order after it was resubmitted or modified (if applicable).</li> <li>i) Date the work order was completed &amp; closed, if any.</li> </ul> <p>Note: work order ID should match the ODS for 2023.</p>	Aaron Lucie	11/9/2023	1/18/2023	1/18/2023	<p>Please see attachment "WMP-Disclosure2023_DR_CaPAAdvocates_033-0201491401.docx" for the requested data.</p> <p>The data provided was calculated using the Quarterly Data Report logs on November 1, 2023. Since the ODS is not available that tags SAP was one day, the data reflects the data in SAP for November 8, 2023. The data in columns A through J of the attachment has been provided from the 2023 O2 ODS for any tags where the original priority column F is A or B, or where the utility specific priority level at the end of Q3 is A or B (column M). Two columns, K and L, have been added to indicate the date the work was completed in the field and column L indicates the date of closure in SAP. Field completion and closure dates were pulled on November 21.</p>	1	NA	8.1.7	Open Work Orders	NA
491	CaPA	Sat WMP-14	CaPA_Sat WMP-14	1	CaPA_Sat WMP-14_01	<p>The following questions pertain to PG&amp;E's 2023/2025 WMP Revision 3, submitted on September 27, 2023:</p> <p>Page 1122 of your 2023 WMP 03 discusses the 2022 EPSS Reliability Study's Multiple Outage Review (MOR). Please refer to the separate PG&amp;E Independent Safety Review (ISR) Report, October 3, 2023 (ISR Report) also discusses the MOR program at p. 12, item 9.5.</p> <p>In 2022, some 293 circuits underwent these multi-review, passing approximately 1400 action items. This program continued into 2023 with 35 circuits having had a finalized MOR (with summary of these circuits being on their second or third review through each Aspect, generating an additional 153 MORs/ action items."</p> <p>a) Please provide a table or Excel sheet showing the results of each MOR for 2022, including the following in separate columns:</p> <ul style="list-style-type: none"> <li>i. The CP2s that underwent review.</li> <li>ii. The result of each CP2's review.</li> <li>iii. If the CP2's review had action items generated.</li> <li>iv. Details about each action item, if applicable.</li> <li>v. If an action item was not created, provide a brief explanation as to why.</li> <li>vi. Completion date of each action item.</li> <li>vii. The date each action item was completed, if applicable.</li> <li>viii. If an action item was not completed by its due date, provide a brief explanation as to why it was not completed by its due date.</li> </ul> <p>b) Please provide a table or Excel sheet showing the results of each MOR for 2023, including the following in separate columns:</p> <ul style="list-style-type: none"> <li>i. The CP2s that underwent review.</li> <li>ii. The result of each CP2's review.</li> <li>iii. If the CP2's review had action items generated.</li> <li>iv. Details about each action item, if applicable.</li> <li>v. If an action item was not created, provide a brief explanation as to why.</li> <li>vi. Completion date of each action item.</li> <li>vii. The date each action item was completed, if applicable.</li> <li>viii. If an action item which was not completed by its due date, provide a brief explanation as to why it was not completed by its due date.</li> </ul>	Justin Hepler	12/12/2023	6/19/2024	6/19/2024	<p>The MOR process was formalized in 2022 and evolved from a circuit level view to a more targeted device level view with increased maturity. The MOR process has comparatively more details in 2023 than in 2022 due to refinements in technology and processes. This includes the transition from field testing from manual processes in 2022 to a digital platform in 2023. As a result of the migration to a technology-based testing process, there are duplicate records for the same actions, as included in the attached data. If an Action Item was created in both the digital platform and the manual process during the transition period and was marked complete in the digital platform but not the legacy manual tracks, that has been marked accordingly in the attached data. When reviewing circuits or devices for review in 2022 and 2023, the EPSS Operations Team determined whether additional mitigation actions would or would not be initiated from the EPSS Operations Team to improve reliability. This could mean the result of factors including, but not limited to: EPSS outage profiles, ongoing actions by other PG&amp;E teams, external outages, and busen issues with a repair device or circuit.</p> <p>Please see "WMP-Disclosure2023-2023_DR_CaPAAdvocates_034-0201491401.docx" for additional regarding questions (B) for parts (a) and (b) for 2022 and 2023, respectively.</p>	1	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
492	CaPA	Sat WMP-14	CaPA_Sat WMP-14	2	CaPA_Sat WMP-14_02	<p>The criteria for a Multiple Outage Review and Evaluation (MOR) evolved in response to an increased number of customer-impacting outages due to EPSS production across the system. The MOR process was formalized in 2023 and evolved from a circuit level view to a more targeted device level view with increased maturity. In both years, the primary assessment of circuits and devices being reviewed was the number of EPSS outages.</p> <p>a) For 2022 the review process included the following for EPSS circuits:</p> <ul style="list-style-type: none"> <li>* Number of EPSS Outages (with a minimum of five for the circuit)</li> <li>* Escalations from EPSS Leadership.</li> <li>* Escalations from Customer Team.</li> <li>* Escalations from Regional VP Team.</li> <li>* Circuitly by EPSS C&amp;E S+ court.</li> </ul> <p>b) For 2023, the criteria for the MOR process included the following for EPSS devices:</p> <ul style="list-style-type: none"> <li>* Number of EPSS Outages on a ringed 85-day basis (with a minimum of three in the same group for the device)</li> <li>* Escalations from EPSS Leadership.</li> <li>* Escalations from Customer Team.</li> <li>* Escalations from Regional VP Team.</li> <li>* Circuitly by EPSS C&amp;E S+ court.</li> </ul> <p>c) If a circuit did not meet the criteria above in part (a), it was not reviewed as a part of the larger review process in 2022.</p> <p>d) If a device did not meet the criteria above in part (b), it was not reviewed as a part of the larger review process in 2023.</p>	Justin Hepler	12/12/2023	6/19/2024	6/19/2024	<p>Please see attachment "WMP-Disclosure2023-2023_DR_CaPAAdvocates_034-0201491401.docx" for the requested data.</p> <p>The criteria for a Multiple Outage Review and Evaluation (MOR) evolved in response to an increased number of customer-impacting outages due to EPSS production across the system. The MOR process was formalized in 2023 and evolved from a circuit level view to a more targeted device level view with increased maturity. In both years, the primary assessment of circuits and devices being reviewed was the number of EPSS outages.</p> <p>a) For 2022 the review process included the following for EPSS circuits:</p> <ul style="list-style-type: none"> <li>* Number of EPSS Outages (with a minimum of five for the circuit)</li> <li>* Escalations from EPSS Leadership.</li> <li>* Escalations from Customer Team.</li> <li>* Escalations from Regional VP Team.</li> <li>* Circuitly by EPSS C&amp;E S+ court.</li> </ul> <p>b) For 2023, the criteria for the MOR process included the following for EPSS devices:</p> <ul style="list-style-type: none"> <li>* Number of EPSS Outages on a ringed 85-day basis (with a minimum of three in the same group for the device)</li> <li>* Escalations from EPSS Leadership.</li> <li>* Escalations from Customer Team.</li> <li>* Escalations from Regional VP Team.</li> <li>* Circuitly by EPSS C&amp;E S+ court.</li> </ul> <p>c) If a circuit did not meet the criteria above in part (a), it was not reviewed as a part of the larger review process in 2022.</p> <p>d) If a device did not meet the criteria above in part (b), it was not reviewed as a part of the larger review process in 2023.</p>	0	NA	2022 WMP Section 7.1	Wildfire Mitigation Strategy Development	NA
493	CaPA	Sat WMP-14	CaPA_Sat WMP-14	3	CaPA_Sat WMP-14_03	<p>Regarding circuits with EPSS capabilities:</p> <p>a) Provide a table or Excel sheet of complaints and claims filed by customers related to outages on circuits with EPSS ratings enabled at the time of outage. For each item, provide the following information in separate columns:</p> <ul style="list-style-type: none"> <li>i. The Circuit name and ID associated with the complaint.</li> <li>ii. The date each complaint or claim was received.</li> <li>iii. A description of each complaint/claim.</li> <li>iv. The date of each resolution.</li> <li>v. A resolution of each complaint/claim.</li> </ul> <p>b) Provide an updated excel table of EPSS Outage Monthly Report_2020/2021/8.docx provided to SED that includes a column for "CP2" in the "EPSS Outage - 2021 Season" tab.</p>	Justin Hepler	12/12/2023	6/19/2024	6/19/2024	<p>Please see attachment "WMP-Disclosure2023-2023_DR_CaPAAdvocates_034-0201491401.docx" for the requested data.</p> <p>The criteria for a Multiple Outage Review and Evaluation (MOR) evolved in response to an increased number of customer-impacting outages due to EPSS production across the system. The MOR process was formalized in 2023 and evolved from a circuit level view to a more targeted device level view with increased maturity. In both years, the primary assessment of circuits and devices being reviewed was the number of EPSS outages.</p> <p>a) For 2022 the review process included the following for EPSS circuits:</p> <ul style="list-style-type: none"> <li>* Number of EPSS Outages (with a minimum of five for the circuit)</li> <li>* Escalations from EPSS Leadership.</li> <li>* Escalations from Customer Team.</li> <li>* Escalations from Regional VP Team.</li> <li>* Circuitly by EPSS C&amp;E S+ court.</li> </ul> <p>b) For 2023, the criteria for the MOR process included the following for EPSS devices:</p> <ul style="list-style-type: none"> <li>* Number of EPSS Outages on a ringed 85-day basis (with a minimum of three in the same group for the device)</li> <li>* Escalations from EPSS Leadership.</li> <li>* Escalations from Customer Team.</li> <li>* Escalations from Regional VP Team.</li> <li>* Circuitly by EPSS C&amp;E S+ court.</li> </ul> <p>c) If a circuit did not meet the criteria above in part (a), it was not reviewed as a part of the larger review process in 2022.</p> <p>d) If a device did not meet the criteria above in part (b), it was not reviewed as a part of the larger review process in 2023.</p>	3	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings



Item	Agency	Contract	Start	End	Project Name	Status	Priority	Lead	Comments		
505	CaPA	Sat WMP-36	CaPA_Sat WMP-36	3	CaPA_Sat WMP-36_03		0	NA	QDR	NA	NA
506	CaPA	Sat WMP-36	CaPA_Sat WMP-36	4	CaPA_Sat WMP-36_04		0	NA	QDR	NA	NA
507	CaPA	Sat WMP-40	CaPA_Sat WMP-40	1	CaPA_Sat WMP-40_01		0	NA	8	8	8
508	CaPA	Sat WMP-40	CaPA_Sat WMP-40	2	CaPA_Sat WMP-40_02		0	NA	8	8	8
509	CaPA	Sat WMP-40	CaPA_Sat WMP-40	3	CaPA_Sat WMP-40_03		0	NA	8	8	8
510	CaPA	Sat WMP-40	CaPA_Sat WMP-40	4	CaPA_Sat WMP-40_04		0	NA	8	8	8
511	CaPA	Sat WMP-40	CaPA_Sat WMP-40	5	CaPA_Sat WMP-40_05		0	NA	6	6	6
512	CaPA	Sat WMP-40	CaPA_Sat WMP-40	6	CaPA_Sat WMP-40_06		0	NA	6	6	6
513	CaPA	Sat WMP-40	CaPA_Sat WMP-40	7	CaPA_Sat WMP-40_07		0	NA	11.4	11.4	11.4

514	CAFA	Set WMP-41	CAFA_Set WMP-41-01	1	CAFA_Set WMP-41-01	<p>How are 23 event probability models from WDRM or that produce system risk values? * Animal - Best? Animal - Equipment - Other - Cerebral Bark - CSD? Phase - Primary Conductor - Line Shop - Primary Conductor - Wire Chaw - Primary Conductor - Other - Secondary Conductor - Support Structure - Leaking - Support Structure - Equipment - Switch - Third Party - Babbler - Third Party - Vehicle - Third Party - Other - Transformer - Equipment - Transformer - Leaking - Vegetation - Branch - Vegetation - Tank - Vegetation - Other - Voltage Regulator - Other Equipment Responses to responses (b) through (f) of this request are described in the table below.</p> <p>a) Please list all distinct risk scores generated by PG&amp;E's WDRM v4. For example, WDRM v3 generated 17 different 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&amp;E intends to use that risk score. d) For each risk score in part (a), please list all PG&amp;E wildfire mitigation initiatives that are referred to that risk score. If PG&amp;E expects to utilize a risk score to inform a mitigation initiative in the future, please so note. e) For each risk score in part (a), please state the most granular level available for that risk score. For example, in WDRM v4, the most granular level available would be the risk score associated with individual 100m x 100m pixels. 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, individual mile, etc.).</p>	Holly Wetman	4/5/2024	4/11/2024	4/11/2024	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
515	CAFA	Set WMP-41	CAFA_Set WMP-41-02	2	CAFA_Set WMP-41-02	<p>a) Please list all composite (or aggregate) risk scores generated by PG&amp;E's WDRM v4. For example, WDRM v3 generated five 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&amp;E intends to use that risk score. d) For each risk score in part (a), please list all PG&amp;E wildfire mitigation initiatives that are referred to that risk score. If PG&amp;E expects to utilize a risk score to inform a mitigation initiative in the future, please so note. e) For each risk score in part (a), please state the most granular level available for that risk score. For example, in WDRM v4, the most granular level available would be the risk score associated with individual 100m x 100m pixels. 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, individual mile, etc.).</p>	Holly Wetman	4/5/2024	4/11/2024	4/11/2024	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
516	CAFA	Set WMP-41	CAFA_Set WMP-41-03	3	CAFA_Set WMP-41-03	<p>Questions 3 and 4 refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&amp;E's responses to questions 1 and 2 above. If PG&amp;E possesses geospatial data that is not in the specific format requested in questions 3 and 4, that PG&amp;E believes substantially contains the information requested in questions 3 and 4, please contact the originator to discuss the format of your responses.</p> <p>Question 3: Please provide a GIS file that details the most granular level (as discussed in questions 1(a) and 2(a)) available to each risk score identified in questions 1(a) and 2(a). This file should contain the following: a) Geometric features detailing the most granular level available to each risk score. This may be polygons that depict "lines," 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 correlated at the "line" level), there is no need to include multiple layers that depict the same physical geometry. b) For each geometric feature, please include an relevant risk score from questions 1(a) and 2(a) as attributes. c) Please state the response to question 3 above.</p> <p>Question 4: When converting PG&amp;E vector data into a GIS format, the original model column names were often truncated to 255 characters. This truncation made identifying contributing model results in composite files difficult. Therefore, more descriptive "field" names substituted for the truncated names. A spreadsheet titled "WDRM-Conversion2023-2024_CIR_CalRiskValues_041-00034010CONF.xlsx" has been provided with GIS file specific field names to cross-reference the substituted field names to the original model result. Please use the response to question 3 above.</p>	Holly Wetman	4/5/2024	4/29/2024	4/29/2024	2	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
517	CAFA	Set WMP-41	CAFA_Set WMP-41-04	4	CAFA_Set WMP-41-04	<p>Please provide a GIS file that details the risk scores that is currently used to inform wildfire mitigation measures (as discussed in questions 1(a) and 2(a)). This file should contain the following: a) Geometric features detailing the relevant geometry for each risk score. This may be polygons that depict "lines," 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 correlated at the "line" level), there is no need to include multiple layers that depict the same physical geometry. b) For each geometric feature, please include an relevant risk score from questions 1(a) and 2(a) as attributes. c) Please state the response to question 3 above.</p>	Holly Wetman	4/5/2024	4/29/2024	4/29/2024	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
518	CAFA	Set WMP-41	CAFA_Set WMP-41-05	5	CAFA_Set WMP-41-05	<p>Question 5 refers to the risk scores generated from WDRM v4. This should be understood to refer to PG&amp;E's responses to questions 1 and 2 above.</p> <p>Please provide a spreadsheet that lists (as a row) each circuit segment that is included in the Wildfire Distribution Risk Model v4. This spreadsheet should include, at minimum, the following columns: a) Name or ID number of each circuit segment. b) Circuit name for the circuit that each segment is part of. c) Historical voltage. d) The present point of the circuit segment (as applicable, e.g., for point-based sub-models). e) The asset count of the circuit segment (as applicable, e.g., for asset-based sub-models). f) The risk value(s) associated with each asset along the circuit segment (as applicable, e.g., for asset-based sub-models). g) Total overhead circuit-miles on the circuit segment. h) Total overhead P/D overhead circuit-miles on the circuit segment. i) Total Tier 2 overhead circuit-miles on the circuit segment. j) Total overhead P/D underground circuit-miles on the circuit segment. k) Total Tier 2 underground circuit-miles on the circuit segment. l) A separate, labeled column for each risk score identified in question 1(a) that is used at the circuit-segment level to inform wildfire mitigation initiatives. (We require multiple columns.) m) A separate, labeled column for each composite risk score identified in question 2(a) that is used at the circuit-segment level to inform wildfire mitigation initiatives. (We require multiple columns.)</p> <p>41-1) Please see attachment "WMP-Conversion2023-2024_CIR_CalRiskValues_041-00034010CONF" ATTACHMENT: WMP-Conversion2023-2024_CIR_CalRiskValues_041-00034010.xlsx</p>	Holly Wetman	4/5/2024	4/11/2024	4/11/2024	1	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
519	CAFA	Set WMP-41	CAFA_Set WMP-41-06	6	CAFA_Set WMP-41-06	<p>Pages 9-11 of PG&amp;E's 2023 WMP Update discuss version 4 of PG&amp;E's Wildfire Consequence Model. Please provide a GIS file that details the most granular level available for consequence 4 in the Wildfire Consequence Model version 4. This file should contain the following: a) Geometric features detailing the most granular level available for consequence 4 in the Wildfire Consequence Model version 4. This file should contain the following: b) For each geometric feature, please include all relevant consequence values (if there are multiple) as attributes.</p>	Holly Wetman	4/5/2024	4/29/2024	4/29/2024	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
520	CAFA	Set WMP-41	CAFA_Set WMP-41-07	7	CAFA_Set WMP-41-07	<p>Please provide a GIS file that details the most granular level available for the Wildfire Consequence Model version 4 in the WDRM v4. This should contain the following: a) Geometric features detailing the most granular level available for consequence 4 in the Wildfire Consequence Model version 4. This file should contain the following: b) For each geometric feature, please include all relevant consequence values (if there are multiple) as attributes.</p>	Holly Wetman	4/5/2024	4/29/2024	4/29/2024	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
521	CAFA	Set WMP-41	CAFA_Set WMP-41-08	8	CAFA_Set WMP-41-08	<p>a) If the E3 or another entity completed an independent review of the WDRM v4? b) If the answer to part (a) is yes, please provide a copy of any reports and outputs from the independent review. c) If the answer to part (a) is no, when does PG&amp;E expect the review to be completed?</p> <p>a) If the E3 or another entity completed an independent review of the WDRM v4? b) If the answer to part (a) is yes, please provide a copy of any reports and outputs from the independent review. c) If the answer to part (a) is no, when does PG&amp;E expect the review to be completed?</p>	Holly Wetman	4/5/2024	4/11/2024	4/11/2024	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
522	CAFA	Set WMP-41	CAFA_Set WMP-41-09	9	CAFA_Set WMP-41-09	<p>a) Have PG&amp;E created a detailed overview document that details WDRM v4 similar to the 2021 Wildfire Distribution Risk Model Overview that PG&amp;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&amp;E expect to create such a document? d) If the answer to part (c) is no, please explain why not.</p> <p>All the items in part (a) are risk, when does PG&amp;E expect the document to be completed?</p>	Holly Wetman	4/5/2024	4/11/2024	4/11/2024	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
523	MGRA	Data Request No. 9	MGRA_Data Request No. 9_01	1	MGRA_Data Request No. 9_01	<p>Topic PG&amp;E 8.1.1.2 Event Probability Under Predictive Performance: In the table, predictive ability shows a lot of ignores from Primary Conductor. Can you provide a more detailed relationship to report attributes. Explain why this is so.</p>	Joseph Michael	4/8/2024	4/11/2024	4/11/2024	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-25 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
524	MGRA	Data Request No. 9	MGRA_Data Request No. 9_02	2	MGRA_Data Request No. 9_02	<p>Please provide information available on the introduction of an "assessment of dry wind conditions for predicting areas of high consequence".</p>	Joseph Michael	4/8/2024	4/11/2024	4/11/2024	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-25 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
525	MGRA	Data Request No. 9	MGRA_Data Request No. 9_03	3	MGRA_Data Request No. 9_03	<p>Will the "dry wind" consequence assessment also couple to other weather days also characterized by high winds?</p>	Joseph Michael	4/8/2024	4/11/2024	4/11/2024	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-25 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
526	MGRA	Data Request No. 9	MGRA_Data Request No. 9_04	4	MGRA_Data Request No. 9_04	<p>Will the "dry wind" weather days be associated with a probability driver also correlated with "dry wind" weather days and fires?</p>	Joseph Michael	4/8/2024	4/11/2024	4/11/2024	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-25 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements



527	MGRA	Data Request No. 9	MGRA_Data Request No. 9	5	MGRA_Data Request No. 9_05	<p>PG&amp;E Reduce PSPS Impacts to Customers (Section 6.1.13)</p> <p>For the 22A to 19, reduction to customers exposed to PSPS events, how much of the reduction is attributable to undergrounding? If the 22A to 19, reduction to customers exposed to PSPS events, how much of the reduction is attributable to undergrounding?</p>	Joseph Michael	482024	4112004	4112004	<a href="https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A401.pdf">https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A401.pdf</a>	0	NA	5.1.5	9.0 Public Safety Power Shutoff	9.1.5 Performance Metrics Identified by the Electrical Corporation
528	MGRA	Data Request No. 9	MGRA_Data Request No. 9	6	MGRA_Data Request No. 9_06	<p>For identification, Microgrid Switch Operator (MSO) devices do not reduce PSPS incidence. For either the scope of customer impact during PSPS events or the MSO devices are required to serve as an asset/switching device. PG&amp;E identified MSO devices as an ignition risk when operated while energized due to the chance of an MSO device as a result. MSO devices are not operated while energized, but must first be de-energized before they are operated.</p> <p>An MSO device is selected for a PSPS event, so the next upstream non-MSO device must be used to temporarily de-energize the MSO device, so that the MSO device can be re-energized after the PSPS event is completed. The device is energized up to the next non-MSO device.</p> <p>This procedure minimizes the ignition risk from the MSO device but results in a short duration PSPS outage for the customers located between the MSO device and the upstream device. If the MSO device is replaced with a non-MSO device such as a substation, transformer, and other upstream asset, the short duration PSPS outage for current outage. These short duration outage customers will no longer experience any outage during the PSPS event because the upstream devices can be operated directly without energizing the MSO device.</p> <p>After Microgrid Switch Operator (MSO) devices are not available, their protection was therefore not part of EPSS. As part of the MSO initiation in the WMP, these units are being replaced with either a line recloser, an automated switch, or manual switch. If the recloser option is selected, those replaced devices will have EPSS capability and be enabled during EPSS weather conditions.</p>	Joseph Michael	482024	4112004	4112004	<a href="https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A402.pdf">https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A402.pdf</a>	0	NA	5.1.5	9.0 Public Safety Power Shutoff	9.1.5 Performance Metrics Identified by the Electrical Corporation
529	MGRA	Data Request No. 9	MGRA_Data Request No. 9	7	MGRA_Data Request No. 9_07	Does MSO also allow for EPSS to be enabled as a function of weather conditions?	Joseph Michael	482024	4112004	4112004	<a href="https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A403.pdf">https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A403.pdf</a>	0	NA	8.1.8.1.1	8.1.8 Grid Operations and Procedures	8.1.8.1.1 Protective Equipment and Device Settings
530	MGRA	Data Request No. 9	MGRA_Data Request No. 9	8	MGRA_Data Request No. 9_08	Is not, is EPSS enabled based on weather conditions and if so how?	Joseph Michael	482024	4112004	4112004	<a href="https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A404.pdf">https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A404.pdf</a>	0	NA	8.1.8.1.1	8.1.8 Grid Operations and Procedures	8.1.8.1.1 Protective Equipment and Device Settings
531	MGRA	Data Request No. 9	MGRA_Data Request No. 9	9	MGRA_Data Request No. 9_09	Table ACI-PG&E-23-05-3, Ignition mitigation effectiveness for All-4 Covered conductor + EPSS, effectiveness is at least 78.2% for 2025 ADP + 80% for 2026 ADP. Show and discuss the effectiveness of 85%. How is it calculated? Are additional mitigations reducing the effectiveness? If the calculation is wrong, please perform this as a circuit analysis, not a substation analysis, assuming circuit is REFCL, not 66.4kV.	Joseph Michael	482024	4112004	4112004	<a href="https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A405.pdf">https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A405.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05-3 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
532	MGRA	Data Request No. 9	MGRA_Data Request No. 9	10	MGRA_Data Request No. 9_10	Please provide the above table ACI-PG&E-23-05-3 under the assumption that Covered Conductor wildfire ignition mitigation effectiveness is REFCL, not 66.4kV.	Joseph Michael	482024	4112004	4112004	<a href="https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A406.pdf">https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A406.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05-3 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
533	MGRA	Data Request No. 9	MGRA_Data Request No. 9	11	MGRA_Data Request No. 9_11	<p>o 51 - Non-Underground Mitigation</p> <p>This consideration of location-specific benefits and risks is consistent with the prior decision; however we need to understand mitigation for consideration in 2023 to 2025. To what extent does the new calculation differ from the previous decision-based analysis and what ways does it differ?</p> <p>Please reference the MSO tables for presentation materials for the workshops identified. Please refer to the Attachment Name: Kickoff and Concession Testing Date: May 3, 2023 WMP-Discovery2023-2025_DR_MGRA_009-Q012A401.pdf using the following: Date: June 12, 2023 WMP-Discovery2023-2025_DR_MGRA_009-Q012A402.pdf New Technologies Date: July 15, 2023 WMP-Discovery2023-2025_DR_MGRA_009-Q012A403.pdf Maintenance and Restoration Date: July 24, 2023 WMP-Discovery2023-2025_DR_MGRA_009-Q012A404.pdf Effectiveness Testing Date: August 7, 2023 WMP-Discovery2023-2025_DR_MGRA_009-Q012A405.pdf Technology The Attachment Name New Technologies - EPD Date: September 25, 2023 WMP-Discovery2023-2025_DR_MGRA_009-Q012A406.pdf New Technologies Date: November 8, 2023 WMP-Discovery2023-2025_DR_MGRA_009-Q012A407.pdf</p>	Joseph Michael	482024	4112004	4122004	<a href="https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A407.pdf">https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A407.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05-3 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
534	MGRA	Data Request No. 9	MGRA_Data Request No. 9	12	MGRA_Data Request No. 9_12	Table ACI-PG&E-23-05-01 Please provide the tables presented at these workshops, redacted for any confidential materials.	Joseph Michael	482024	4112004	4112004	<a href="https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A408.pdf">https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A408.pdf</a>	7	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Continuation of Grid Hardening Joint Studies
535	MGRA	Data Request No. 9	MGRA_Data Request No. 9	13	MGRA_Data Request No. 9_13	Early Fault Detection/Distribution Fault Activation Are EPD circuits being deployed or circuits that are being scoped for undergrounding?	Joseph Michael	482024	4112004	4112004	<a href="https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A409.pdf">https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A409.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-07 - Deployment of New Technologies
536	MGRA	Data Request No. 9	MGRA_Data Request No. 9	14	MGRA_Data Request No. 9_14	What would be the final year that a circuit will be undergrounded that might potentially be implemented with an EPD?	Joseph Michael	482024	4112004	4112004	<a href="https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A410.pdf">https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A410.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-07 - Deployment of New Technologies
537	MGRA	Data Request No. 9	MGRA_Data Request No. 9	15	MGRA_Data Request No. 9_15	Please provide a list of responsible options for the last two years including the following: a) wiring system at the time of the ignition (R0, R1, R2, etc) b) whether circuit was implemented with active EPSS c) whether circuit was implemented with active DSD d) whether circuit was implemented with active DSD	Joseph Michael	482024	4112004	4112004	<a href="https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A411.pdf">https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A411.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-07 - Deployment of New Technologies
538	MGRA	Data Request No. 9	MGRA_Data Request No. 9	16	MGRA_Data Request No. 9_16	Please provide a list of outages for the last two years including the following additional attributes: a) wiring system at the time of the outage (R0, R1, R2, etc) b) whether circuit was implemented with active DSD	Joseph Michael	482024	4112004	4112004	<a href="https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A412.pdf">https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A412.pdf</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-07 - Deployment of New Technologies
539	CaPA	Set WMP-42	CaPA_Set WMP-42	1	CaPA_Set WMP-42_Q1	<p>Page 10 of PG&amp;E's 2023 WMP Update states that for version of PG&amp;E's Wildfire Consequence Model (P&amp;E) increased the fire simulation time from eight to 24 hours.</p> <p>o) the reason why PG&amp;E chose to increase the fire simulation time to 24 hours.</p> <p>o) PG&amp;E aware of any potential detrimental effects associated with increasing the fire simulation time from eight to 24 hours?</p> <p>o) If the answer to part (b) is yes, list any such potential detrimental effects.</p> <p>o) What has PG&amp;E done so far to validate the accuracy of 24-hour fire simulations?</p>	Holly Wetteman	492024	4122004	4122004	<a href="https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A413.pdf">https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A413.pdf</a>	0	NA	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence	
540	CaPA	Set WMP-42	CaPA_Set WMP-42	2	CaPA_Set WMP-42_Q2	<p>Page 1021 of PG&amp;E's 2023-2025 WMP R4 states, in response to ACI PG&amp;E-23-05, (b) that the reason why PG&amp;E chose to increase the fire simulation time to 24 hours was to increase high production areas despite decreasing reliability on the weather forecasts as time progresses, and unknown suppression effectiveness over time. Sensitivity analysis is continuing, and PG&amp;E will be able to provide results in 2023 that quantify the effectiveness of shorter versus longer simulation duration.</p> <p>o) Describe the result of the sensitivity analysis discussed above.</p> <p>o) Provide any written reports, notes, or other output of the sensitivity analysis discussed above.</p>	Holly Wetteman	492024	4122004	4122004	<a href="https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A414.pdf">https://www.pge.com/~/media/Files/PG&amp;E/2023-2025-DR_MGRA_009-Q012A414.pdf</a>	0	NA	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence	

541	CaPA	Sat WMP-42	CaPA_Sat WMP-42	3	CaPA_Sat WMP-42_Q3	<p>Page 7 of PG&amp;E's 2025 WMP Update states, with regard to PG&amp;E's distribution event probability models, significant efforts were made to improve asset, ignition, and outage data quality. List and explain the significant efforts discussed above.</p>	Holy Wetmore	4/20/24	4/12/2024	4/12/2024	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
542	CaPA	Sat WMP-42	CaPA_Sat WMP-42	4	CaPA_Sat WMP-42_Q4	<p>Table PG&amp;E-B-1.1.1 on page 8 of PG&amp;E's 2025 WMP Update indicates that WDRM of includes wind direction in its input models.  a) Describe how wind direction is incorporated in the vegetation models in WDRM v4.  b) Describe the benefits of incorporating wind direction into its risk model.  c) Describe the benefits of incorporating wind direction into its risk model.</p>	Holy Wetmore	4/20/24	4/12/2024	4/12/2024	0	NA	6.2.1	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
543	CaPA	Sat WMP-42	CaPA_Sat WMP-42	5	CaPA_Sat WMP-42_Q5	<p>Page 16 of PG&amp;E's 2025 WMP Update states, "In the WTRM of update, we corrected this overly conservative estimate by applying a remaining strength of 52% (relative to Condition Code 2) to reinforced poles, in order to provide more accurate results."  State the basis for applying a remaining strength of 52% to reinforced poles.</p>	Holy Wetmore	4/20/24	4/12/2024	4/12/2024	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
544	CaPA	Sat WMP-42	CaPA_Sat WMP-42	6	CaPA_Sat WMP-42_Q6	<p>Page 17 of PG&amp;E's 2025 WMP Update states, "When viewed on a line weighted basis, the relative average risk/high transmission line can be viewed for strength. It should be noted that these risk weighted values will not be high risk but still an issue."  a) Does PG&amp;E plan to continue for the fact that risk weighted values tend to highlight shortlines?  b) If the answer to part (a) is no, explain the rationale PG&amp;E plans to use.  c) If the answer to part (a) is no, explain why not.</p>	Holy Wetmore	4/20/24	4/12/2024	4/12/2024	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
545	CaPA	Sat WMP-42	CaPA_Sat WMP-42	7	CaPA_Sat WMP-42_Q7	<p>Page 24 of PG&amp;E's 2025 WMP Update states that PG&amp;E is adjusting target PS-07 (Reduce POPS Impact to Customers) in 2025 downward by 80% to account for a 40% decrease in underground cables.  Does PG&amp;E expect a similar reduction in the number of EPSS customer events mitigated in 2025? Explain your answer.</p>	Holy Wetmore	4/20/24	4/12/2024	4/12/2024	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-14 Effectiveness Analysis for EPSS Including Implementation of DCD
546	CaPA	Sat WMP-42	CaPA_Sat WMP-42	8	CaPA_Sat WMP-42_Q8	<p>Page 29 of PG&amp;E's 2025 WMP Update states that PG&amp;E's 2025 forecast capital expenditure associated with increased conductor installation will increase by a factor of 5.8 from \$41.1 million to \$241.8 million.  The updated Table PG&amp;E-E-1.2.1 on page 402 of PG&amp;E's 2025 WMP PIS includes information that, in 2025, the mileage associated with covered conductor installation will increase by a factor of 4.5 from 50 miles to 220 miles.  Please explain why PG&amp;E's capital forecast for 2025 will increase by a factor of 5.8 while the mileage will increase by a factor of 4.5.</p>	Holy Wetmore	4/20/24	4/12/2024	4/12/2024	0	NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures
547	CaPA	Sat WMP-42	CaPA_Sat WMP-42	9	CaPA_Sat WMP-42_Q9	<p>In comparison to PG&amp;E's WDRM v3, does WDRM v4:  a) Have 10 percent or more of ignition risks into or out of the top ignition risk circuits, segments, or spans? If yes, please provide the data in the form of Table 1-1 in section 1.1 of the 2025 WDRM. Mitigation Plan Update Database for both WDRM v3 and v4.  b) Have 10 percent or more of POPS risks into or out of the top POPS risk circuits, segments, or spans? If yes, please provide the data in the form of Table 1-2 in section 1.1 of the 2025 WDRM Mitigation Plan Update Database for both WDRM v3 and v4.  c) If the answer to part (a) is no, why not?  d) If the answer to part (a) is yes, why is the option selected as one of the possible alternatives in the WDRM?  e) If the answer to part (b) is no, why not?  f) If the answer to part (b) is yes, why is the option selected as one of the possible alternatives in the WDRM?  g) If the answer to part (b) is yes, why is the option selected as one of the possible alternatives in the WDRM?</p>	Holy Wetmore	4/20/24	4/12/2024	4/12/2024	1	NA	6.2.1	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
548	CaPA	Sat WMP-43	CaPA_Sat WMP-43	1	CaPA_Sat WMP-43_Q1	<p>These data do not appear to be an option of covered conductor with both EPSS and DCD.  a) Did PG&amp;E consider an alternative that consists of covered conductor with EPSS and DCD?  b) If the answer to part (a) is no, why is the option selected as one of the possible alternatives in the WDRM?  c) If the answer to part (a) is no, why not?</p>	Holy Wetmore	4/12/2024	4/12/2024	4/12/2024	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Old Hedging Decision Matrix
549	CaPA	Sat WMP-43	CaPA_Sat WMP-43	2	CaPA_Sat WMP-43_Q2	<p>The blended average effectiveness for alternative 9 (REFCL with covered conductor, EPSS, and DCD) is lower than the effectiveness of covered conductor with EPSS.  a) Why does the effectiveness for alternative 9 appear lower than alternative 4, although alternative 9 appears to receive more mitigation techniques?</p>	Holy Wetmore	4/12/2024	4/12/2024	4/12/2024	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Old Hedging Decision Matrix



558	CAIPA	Set WMP-43	CAIPA_Set WMP-43	11	CAIPA_Set WMP-43_011	<p>Pages 86-87 of PG&amp;E's 2025 WMP Update list three workshops the Joint Utilities held with Energy Safety June 2023 (Distribution Fault Mitigation), August 2023 (REFCL), and October 2023 (Early Fault Detection).</p> <p>a) Provide a copy of any materials prepared by PG&amp;E for each of the three workshops.</p> <p>b) Provide a copy of any reports, minutes, recordings of other output of the three workshops.</p> <p>c) List any action items PG&amp;E has on from each of the three workshops.</p>	Holly Wetman	4/12/2024	4/17/2024	4/17/2024	<p>4</p>	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-06 - Continuation of Grid Hardening Joint Studies
558	CAIPA	Set WMP-43	CAIPA_Set WMP-43	11(6)	CAIPA_Set WMP-43_011(6)	<p>In response to part (b), PG&amp;E stated, "No reports, minutes, recordings were taken or prepared at the referenced workshop"; however, Slide 6 of attachment 2 lists "meeting minutes" under "next steps"</p> <p>a) Provide the unit costs of covered conductor that were discussed in 2023 for each of the Joint Utilities.</p> <p>b) Provide the unit costs of underground that were discussed in 2023 for each of the Joint Utilities.</p> <p>c) List any other findings from the monthly meetings in 2023 noted above.</p> <p>If you please provide these in response to this data request.</p>	Holly Wetman	4/19/2024	4/24/2024	4/24/2024	<p>0</p>	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-06 - Continuation of Grid Hardening Joint Studies
559	CAIPA	Set WMP-43	CAIPA_Set WMP-43	12	CAIPA_Set WMP-43_012	<p>Page 87 of PG&amp;E's 2025 WMP Update states, "In 2023, the utilities discussed the unit costs of CC and underground and completed, at a high level, the effort on cost drivers."</p> <p>a) Provide the unit costs of underground that were discussed in 2023 for each of the Joint Utilities.</p> <p>b) Provide the unit costs of covered conductor that were discussed in 2023 for each of the Joint Utilities.</p> <p>c) List any other findings from the monthly meetings in 2023 noted above.</p>	Holly Wetman	4/12/2024	4/17/2024	4/17/2024	<p>0</p>	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-06 - Continuation of Grid Hardening Joint Studies
559	CAIPA	Set WMP-43	CAIPA_Set WMP-43	12(6)	CAIPA_Set WMP-43_012(6)	<p>CAI Ad hoc requested results of meetings held in 2023 regarding the unit costs and cost drivers of covered conductor and underground. PG&amp;E's response refers to the attachment to Question 10 which, as noted above, does not discuss results from 2023 meetings.</p> <p>a) Please verify whether PG&amp;E possesses documents responsive to question 12 that include the unit costs and cost drivers of covered conductor and underground based on meetings held in 2023.</p> <p>If you please provide these in response to this data request.</p>	Holly Wetman	4/19/2024	4/24/2024	4/24/2024	<p>0</p>	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-06 - Continuation of Grid Hardening Joint Studies
560	CAIPA	Set WMP-43	CAIPA_Set WMP-43	13	CAIPA_Set WMP-43_013	<p>Page 88 of PG&amp;E's 2025 WMP Update states, with regard to the REFCL pilot at the Calatoga substation, "Although we are committed to continuing this demonstration project, several factors have caused delays in commissioning the program, including equipment failure, extended lead time of equipment, and the need to procure additional equipment to further stabilize the system."</p> <p>a) List and describe each equipment failure that occurred during 2021, 2022, or 2023 and delayed the commissioning of the program.</p> <p>b) List and describe each instance of extended lead time that occurred during 2021, 2022, or 2023 and delayed the commissioning of the program.</p> <p>c) Have three steps PG&amp;E currently anticipates receiving actionable results from the REFCL pilot at the Calatoga substation?</p> <p>d) Have three steps PG&amp;E currently anticipates receiving actionable results from the REFCL pilot at the Calatoga substation?</p> <p>e) List each of the efforts PG&amp;E plans to make in 2024 to accelerate the REFCL pilot at the Calatoga substation.</p> <p>f) List each of the efforts PG&amp;E plans to make in 2025 to accelerate the REFCL pilot at the Calatoga substation.</p>	Holly Wetman	4/12/2024	4/17/2024	4/17/2024	<p>0</p>	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-07 - Deployment of New Technologies
561	CAIPA	Set WMP-43	CAIPA_Set WMP-43	14	CAIPA_Set WMP-43_014	<p>Page 89 of PG&amp;E's 2025 WMP Update states, "As of December 2023, PG&amp;E moved beyond pilot work and into deployment of new technologies, having tested EPD technology on 103 locations over 8 distribution circuits and DFA technology at 79 substations."</p> <p>a) State the approximate number of circuit miles on which DFA is currently active.</p> <p>b) State the approximate number of circuit miles on which EPD is currently active.</p> <p>c) Describe PG&amp;E's standards and criteria for determining when to install DFA technology.</p> <p>d) Describe PG&amp;E's standards and criteria for determining when to install EPD technology.</p> <p>e) Please describe the results of the pilot program mentioned in the quote above, which prompted PG&amp;E to move into production and deployment of these technologies in December 2023.</p> <p>f) Provide any reports, analyses, or other documentation of the results of the pilot program.</p>	Holly Wetman	4/12/2024	4/17/2024	4/17/2024	<p>0</p>	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-07 - Deployment of New Technologies

562	CAIPA	Sat WMP-43	CAIPA_Sat WMP-43	15	CAIPA_Sat WMP-43_Q15	<p>Table ACH-PG&amp;E-23-09-1 on page 75 of PG&amp;E's 2025 WMP Update lists the number of HFD structures in each consequence level from E&amp;S to Medium.</p> <p>a) Provide an updated version of this table with additional rows to show the structures with a consequence rank lower than E&amp;S.</p> <p>b) Please provide an updated version of this table (including the additional rows from part (a)) for the low structures in the HFD/FDRA list only for the HFD.</p> <p>c) Explain the methodology PG&amp;E used to segregate its plan areas by consequence rank.</p> <p>d) Provide any procedures, reports, analyses, or other documentation to support your response to part (c).</p>	<p>a) Please see below for an updated Table ACH-PG&amp;E-23-09-1:</p> <p>Consequence Rank</p> <p>ACH/FD/FDRA</p> <p>Structure</p> <p>Open-air/RA</p> <p>EDCR</p> <p>Manufacture</p> <p>E&amp;S - Tier 1 464 10.0% 3.2 x 10<sup>4</sup></p> <p>E&amp;S - Tier 2 242 2.8% 2.805 9.1 x 10<sup>4</sup></p> <p>Low - Tier 1 27 0.0% 1.5 x 10<sup>4</sup></p> <p>Low - Tier 2 138 0.6% 8.50N 8.8 x 10<sup>4</sup></p> <p>2019A</p> <p>Low 1202 7.7% 3.8 x 10<sup>4</sup></p> <p>High 481 37.8% 5.5 x 10<sup>4</sup></p> <p>High - Tier 1 27 0.0% 1.5 x 10<sup>4</sup></p> <p>High - Tier 2 138 0.6% 8.50N 8.8 x 10<sup>4</sup></p> <p>10/74 22.2% 5.4 x 10<sup>4</sup></p> <p>Medium 912 7.1% 37.4% 3.6 x 10<sup>4</sup></p> <p>Medium - Tier 1 33 0.3% 10.0% 3.0 x 10<sup>4</sup></p> <p>Medium - Tier 2</p> <p>2019A</p> <p>Low 17 4% 2.8 x 10<sup>4</sup></p> <p>Low 48 4.8% 24.3% 0.5 x 10<sup>4</sup></p> <p>Low - Tier 1 138 0.6% 8.50N 8.8 x 10<sup>4</sup></p> <p>Low - Tier 2</p> <p>2019A</p> <p>546 523 15.8% 15.8 x 10<sup>4</sup></p> <p>b) Table ACH-PG&amp;E-23-09-1 includes HFD/FDRA structures in Tier 2 counts and should have been labeled as such to begin with. PG&amp;E has corrected the labels in the table above.</p> <p>c) PG&amp;E uses WORM to create the maps, which provide relative consequence ranks for the structures. For E&amp;S and HFDRA, the consequence ranks are:</p>	Holly Wetman	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001">https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-09 - Decrease in Detailed Distribution Inspections
563	CAIPA	Sat WMP-43	CAIPA_Sat WMP-43	16	CAIPA_Sat WMP-43_Q16	<p>Table ACH-PG&amp;E-23-09-1 on page 75 of PG&amp;E's 2025 WMP Update lists the number of HFD structures in each consequence level from E&amp;S to Medium.</p> <p>a) PG&amp;E used the WORM to create the structures and plan maps? If no, explain why not.</p> <p>b) If the answer to part (a) is no, does PG&amp;E plan to use the WORM to create structures and plan maps? If no, explain why not.</p> <p>c) If the answer to part (a) is (b) is yes, does PG&amp;E plan to adjust its detailed inspection program to use the updated plan maps? If no, explain why not.</p> <p>d) If the answer to part (c) is yes, will PG&amp;E use the same inspection frequencies for the updated plan map mapping? If no, explain why not.</p> <p>e) If the answer to part (c) is yes, when does PG&amp;E plan to adjust its detailed inspection program to use the updated plan map mapping?</p>	<p>a) Yes, PG&amp;E has used WORM to create the structures and plan maps. PG&amp;E would rank the structures by consequence rank.</p> <p>b) Not applicable, please see the response to subject (b) above.</p> <p>c) Yes, PG&amp;E plans to adjust its detailed inspection program to use the updated plan maps using that incorporates WORM's output.</p> <p>d) Yes, PG&amp;E currently plans to use the same inspection frequencies for the updated plan map mapping.</p> <p>e) PG&amp;E currently plans to adjust its detailed inspection program to use the updated plan map mapping in 2025.</p>	Holly Wetman	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001">https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-09 - Decrease in Detailed Distribution Inspections
564	CAIPA	Sat WMP-43	CAIPA_Sat WMP-43	17	CAIPA_Sat WMP-43_Q17	<p>Page 76 of PG&amp;E's 2025 WMP Update states:</p> <p>"Regarding high consequence assets on dry ground, we will increase both the open-air cost and the cost of the inspection plan relative to inspecting these assets every other year. PG&amp;E estimates that approximately 37,000 additional inspections would need to be performed annually at a cost of roughly \$4.3 million. Similarly, inspecting medium consequence structures every other year would result in 15,000 more inspections at an additional annual cost of \$1.7 million.</p> <p>a) What would be the annual cost of performing approximately 37,000 additional detailed aerial inspections of high consequence assets?</p> <p>b) What would be the annual cost of performing approximately 15,000 additional detailed aerial inspections of medium consequence assets?</p> <p>c) What would be the estimated benefit, in dollars, of inspecting high consequence assets annually?</p> <p>d) What would be the estimated benefit, in dollars, of inspecting medium consequence assets annually?</p>	<p>a) The annual cost of performing approximately 37,000 additional detailed aerial inspections of high consequence assets is roughly \$4.3 million.</p> <p>b) The annual cost of performing approximately 15,000 additional detailed aerial inspections of medium consequence assets is roughly \$1.7 million.</p> <p>c) PG&amp;E does not quantify the estimated benefit, in dollars, of inspecting high or medium consequence assets annually. The main benefit of additional inspections is identifying additional maintenance needs, but PG&amp;E does not have a standardized approach to valuing a benefit associated with identifying additional maintenance needs, as PG&amp;E treats inspections as a foundational program that supports PG&amp;E's maintenance program. As noted in our 2025 WMP Update, additional inspection fees do not mitigate risk unless maintenance work is actually performed.</p> <p>d) Please see the attachment "WMP-Discovery2023-2025_DR_MGRA_010-Q055A4021.xlsx" worksheet "Q2 a-d" for a list of PG&amp;E's system hardening projects with underground miles - as well as the Community Rebuild undergrounding miles - for 2023. Descriptions of the included miles are as follows:</p> <ul style="list-style-type: none"> <li>a) worksheet "Q2 a-d", please see column A (City)</li> <li>b) worksheet "Q2 a-d", please see column B (Circuit ID), also included are the following related fields: <ul style="list-style-type: none"> <li>- Column C (Circuit Name)</li> <li>- Column D (Circuit Protection Zone (CPZ))</li> </ul> </li> <li>c) Not applicable. To date, no circuit segment (referred to as a CPZ in this response) has been fully undergrounded. When PG&amp;E undergrounds a CPZ, 100% of the air-exposed overhead line is replaced because one of more of the following reasons are applicable: <ul style="list-style-type: none"> <li>- Handing applied to a CPZ is a hybrid of mitigation methods (overhead line removal, undergrounding, line removal).</li> <li>- There are portions of the CPZ in locations that are infeasible to replace with undergrounding (e.g. water crossings).</li> <li>- Handing a CPZ may be split into multiple sub-projects, each focused on different portions of the CPZ. Various project specific constraints (e.g. permits) lead to multi-year handing of a whole CPZ.</li> </ul> </li> </ul> <p>Please see the response to subject (c). All circuit segments related to a CPZ in this response (identified in this response as completed partially undergrounded, therefore, that fact is not included in the attachment. PG&amp;E interprets the request for "Total overhead circuit-miles removed" as the distance of existing overhead infrastructure that was replaced with underground infrastructure in an undergrounding project. This information is not provided in this response because PG&amp;E currently does not have complete tabular data to provide the information requested in the undergrounding project. This information is actively being consolidated and will be available in PG&amp;E's System Hardening Accountability Report in accordance with the requirements of (CPC 23-1-109 (CP 23-1).</p>	Holly Wetman	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001">https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-09 - Decrease in Detailed Distribution Inspections
565	MGRA	Data Request No. 10	MGRA_Data Request No. 10	1	MGRA_Data Request No. 10_Q1	<p>Please provide a spreadsheet listing (see rows) of every undergrounding completed during the period of January 1, 2023, through December 31, 2023, including all HFD projects. For each project, please provide the following information (see columns):</p> <p>a) Project ID number or other identifier</p> <p>b) Circuit ID</p> <p>c) Is this circuit segment that was entirely undergrounded in the project?</p> <p>d) If not, what circuit segment that was partially undergrounded in the project?</p> <p>e) Total circuit-miles of undergrounding completed</p> <p>f) Total electric miles of the project (i.e., costs attributed to your electric facilities), including costs for planning, design, permitting, and construction.</p> <p>g) Total number of customers served by the project.</p> <p>h) Total number of minutes of PSPS experienced by the project circuit segments since 2015.</p>	<p>a) Handing applied to a CPZ is a hybrid of mitigation methods (overhead line removal, undergrounding, line removal).</p> <p>b) There are portions of the CPZ in locations that are infeasible to replace with undergrounding (e.g. water crossings).</p> <p>c) Handing a CPZ may be split into multiple sub-projects, each focused on different portions of the CPZ. Various project specific constraints (e.g. permits) lead to multi-year handing of a whole CPZ.</p> <p>d) Please see the response to subject (c). All circuit segments related to a CPZ in this response (identified in this response as completed partially undergrounded, therefore, that fact is not included in the attachment. PG&amp;E interprets the request for "Total overhead circuit-miles removed" as the distance of existing overhead infrastructure that was replaced with underground infrastructure in an undergrounding project. This information is not provided in this response because PG&amp;E currently does not have complete tabular data to provide the information requested in the undergrounding project. This information is actively being consolidated and will be available in PG&amp;E's System Hardening Accountability Report in accordance with the requirements of (CPC 23-1-109 (CP 23-1).</p>	Joseph Mitchell	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001">https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001</a>	1	NA	8	Section 6.1.2 - Grid Design and System Hardening	6.1.2.2 Undergrounding of electric lines and/or equipment
566	MGRA	Data Request No. 10	MGRA_Data Request No. 10	2	MGRA_Data Request No. 10_Q2	<p>Please provide a spreadsheet listing (see rows) of every planned undergrounding projected to be fully or partially completed by the end of 2024. This includes work currently underway, completed in 2024, or to be performed in 2024.</p> <p>a) Project number</p> <p>b) Circuit ID number</p> <p>c) Circuit segment name or ID number (if the project affects more than one circuit segment, please identify each)</p> <p>d) Estimated electric miles (excluding) from the electric mile model that you are using to estimate distribution risk in your 2025 WMP Update listing</p> <p>e) The expected completion date of the project</p> <p>f) The length of aerial feed miles of underground conductor to be installed prior to the end of 2025</p> <p>g) Length of aerial miles of overhead conductor to be permanently removed prior to the end of 2025 and replaced by underground conductor lines that this may differ slightly from the previous section due to differing overhead and undergrounding (miles)</p> <p>h) Length of circuit miles of overhead conductor to be permanently removed in 2025 and not replaced with covered conductor or undergrounded</p> <p>i) Total number of customers served by the project</p> <p>j) Total number of minutes of PSPS experienced by the project circuit segments since 2015</p>	<p>a) Handing applied to a CPZ is a hybrid of mitigation methods (overhead line removal, undergrounding, line removal).</p> <p>b) There are portions of the CPZ in locations that are infeasible to replace with undergrounding (e.g. water crossings).</p> <p>c) Handing a CPZ may be split into multiple sub-projects, each focused on different portions of the CPZ. Various project specific constraints (e.g. permits) lead to multi-year handing of a whole CPZ.</p> <p>d) Please see the response to subject (c). All circuit segments related to a CPZ in this response (identified in this response as completed partially undergrounded, therefore, that fact is not included in the attachment. PG&amp;E interprets the request for "Total overhead circuit-miles removed" as the distance of existing overhead infrastructure that was replaced with underground infrastructure in an undergrounding project. This information is not provided in this response because PG&amp;E currently does not have complete tabular data to provide the information requested in the undergrounding project. This information is actively being consolidated and will be available in PG&amp;E's System Hardening Accountability Report in accordance with the requirements of (CPC 23-1-109 (CP 23-1).</p>	Joseph Mitchell	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001">https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001</a>	1	NA	8	Section 6.1.2 - Grid Design and System Hardening	6.1.2.2 Undergrounding of electric lines and/or equipment
567	MGRA	Data Request No. 10	MGRA_Data Request No. 10	3	MGRA_Data Request No. 10_Q3	<p>Are DCD algorithms based on prevailing weather conditions? If so, please describe how severity of DCD is adjusted according to weather.</p>	<p>The Downed Conductor Detection (DCD) algorithm and corresponding protection function element is directly tied to EPSS.</p>	Joseph Mitchell	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001">https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-14 Effectiveness Analysis for EPSS including Implementation of DCD
568	MGRA	Data Request No. 10	MGRA_Data Request No. 10	4	MGRA_Data Request No. 10_Q4	<p>During today's (Apr 18th) meeting and confer, the AGMS technology was mentioned that could allow much faster switching of feed by configuration. Please describe the AGMS and for what applications it could be used, and how much it might help to reduce the risk.</p>	<p>Advanced Distribution Management System (ADMS) is an operating platform where supervisory control and data acquisition.</p>	Joseph Mitchell	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001">https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-14 Effectiveness Analysis for EPSS including Implementation of DCD
569	MGRA	Data Request No. 10	MGRA_Data Request No. 10	5	MGRA_Data Request No. 10_Q5	<p>Please provide the 2022 and 2023 EPSS reliability studies referred to in p. 8 and p. 12 of 17H-308_2024040111264_20240402_PGE_2025_WMP_Update_NO_ACJ2315_Ach01.pdf.</p>	<p>For the narrative associated with PG&amp;E's 2022 EPSS Reliability Study, please reference pdf page 120 at the following link: <a href="https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001">https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001</a></p> <p>For the narrative associated with PG&amp;E's 2023 EPSS Reliability Study, please reference the following attachments:</p> <ul style="list-style-type: none"> <li>- WMP-Discovery2023-2025_DR_MGRA_010-Q055A4021.pdf</li> <li>- WMP-Discovery2023-2025_DR_MGRA_010-Q055A4022.pdf</li> <li>- WMP-Discovery2023-2025_DR_MGRA_010-Q055A4023.xlsx</li> </ul>	Joseph Mitchell	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001">https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-14 Effectiveness Analysis for EPSS including Implementation of DCD
570	MGRA	Data Request No. 10	MGRA_Data Request No. 10	6	MGRA_Data Request No. 10_Q6	<p>As per discussion in the April 8th meeting and confer, please provide distribution optimized outage data for the 2023 calendar year in any format required to remove the need for much faster switching of feed by configuration. This can be provided in the format outlined in the Shared Outage Data Report.</p>	<p>Please see attachment "WMP-Discovery2023-2025_DR_MGRA_010-Q055A4011.xlsx" for the requested information.</p>	Joseph Mitchell	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001">https://www.pge.com/external/foia/requester/foia-requests/2024-04-17-001</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-14 Effectiveness Analysis for EPSS including Implementation of DCD
571	CAIPA	Sat WMP-44	CAIPA_Sat WMP-44	1	CAIPA_Sat WMP-44_Q1	<p>Page 52 of PG&amp;E's 2025 WMP Update states:</p> <p>"We assessed the effectiveness of each of the mitigation alternatives against more than 2,000 outage combinations that have occurred in PG&amp;E's HFD during wildfire seasons. PG&amp;E reviewed each of the outage combinations and identified those that were most difficult to clear or adjust for at power plants each outage combination. In many cases, we were involved in reviewing outage combinations and assigning effectiveness ratings."</p> <p>a) How many SAEs were involved in reviewing outage combinations and assigning effectiveness ratings?</p> <p>b) How many SAEs were involved in reviewing outage combinations and assigning effectiveness ratings?</p> <p>c) Do the 2,000 outage combinations represent a specific time period? Please explain your answer.</p> <p>d) Do the 2,000 outage combinations include outage combinations that occurred in PG&amp;E's HFRA but not in the HFD? Please explain your answer.</p>	<p>a) For the initial qualitative assessment, experts in the Electric Distribution Engineering, EPSS, Remote DCD, Electric Distribution Reliability and REFLC teams were engaged with the Grid Design team. These experts on the Design team reviewed the data from Grid Design. In addition, several data analysts were included in the evaluation of the effectiveness.</p> <p>b) Outage maps were taken to review outage combinations and determine effectiveness ratings.</p> <p>c) Reviewed the line by line to confirm accuracy and Methodology checked and confirmed by additional Grid Design SME's.</p> <p>d) The outage cause, equipment outage combinations were based on the 2015-2022 study period to reduce history by the HFD.</p> <p>e) No, the study that was performed for the WMP was limited to the HFD information only. There is currently no tool that can pull PFRA information for each outage, the existing tool was only designed to perform spatial analysis on HFD and EDCI data.</p>	Holly Wetman	4/15/2024	4/18/2024	4/18/2024	<a href="https://www.pge.com/external/foia/requester/foia-requests/2024-04-18-001">https://www.pge.com/external/foia/requester/foia-requests/2024-04-18-001</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Uploading Grid Hardening Decision Matrix









599	OEIS	016	OEIS_016	2	OEIS_016_Q2	<p>003. Regarding PG&amp;E's Quarterly Targets for Routine Patrol</p> <p>In PG&amp;E's 2023 WMP Update, PG&amp;E sets quarterly targets for Routine Patrol – Distribution (YS-16). 2023 and 2024 targets are included for reference.</p> <p>PG&amp;E's Routine Patrol Targets by Year in Circuit Mileage</p> <p>Year End of Q2 End of Year 2023 41,703 51,805 72,000 2024 52,000 56,588 76,000</p> <p>PG&amp;E's end of Q2 and end of year targets for routine patrol decreased year-over-year since 2022?</p> <p>Why? What PG&amp;E's end of Q2 and end of year targets for routine patrol decreased year-over-year since 2022?</p> <p>What percentage of PG&amp;E's end of Q2 and end of year of Q2 2023 targets will be completed within HF10?</p> <p>What PG&amp;E's end of Q2 and end of year targets for routine patrol decreased year-over-year since 2022? What percentage of PG&amp;E's end of Q2 and end of year of Q2 2023 targets will be completed within HF10?</p> <p>What PG&amp;E's end of Q2 and end of year targets for routine patrol decreased year-over-year since 2022? What percentage of PG&amp;E's end of Q2 and end of year of Q2 2023 targets will be completed within HF10?</p>	Blair Hill	4/22/2024	4/25/2024	4/25/2024	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 AD PG&E 23-09 Decrease in Desired Distribution Targets
600	OEIS	016	OEIS_016	3(a)	OEIS_016_Q2(a)	<p>003. Regarding PG&amp;E's Adjustments to its WORM</p> <p>In its 2023 WMP Update, PG&amp;E discusses the changes made between its Wildlife Distribution Risk Model (WDRM) Version 3 (V3) to Version 4 (V4). Based off those changes, provide:</p> <p>a. An updated version of Table 6-5 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>b. An updated version of Table 6-6 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>c. An updated version of Figure 7-1 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>d. An updated version of Figure 7-4 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>e. A graph demonstrating the overlaid risk scores between V3 and V4, similar to the graph provided in Data Request OEIS-PG&amp;E-23-09 Question 17 showing the difference in output between V2 and V3.</p>	Blair Hill	4/22/2024	11/4/2024			NA	6.1.2	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
600	OEIS	016	OEIS_016	3	OEIS_016_Q3	<p>003. Regarding PG&amp;E's Adjustments to its WORM</p> <p>In its 2023 WMP Update, PG&amp;E discusses the changes made between its Wildlife Distribution Risk Model (WDRM) Version 3 (V3) to Version 4 (V4). Based off those changes, provide:</p> <p>a. An updated version of Table 6-5 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>b. An updated version of Table 6-6 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>c. An updated version of Figure 7-1 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>d. An updated version of Figure 7-4 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>e. A graph demonstrating the overlaid risk scores between V3 and V4, similar to the graph provided in Data Request OEIS-PG&amp;E-23-09 Question 17 showing the difference in output between V2 and V3.</p>	Blair Hill	4/22/2024	4/25/2024	4/25/2024	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
600	OEIS	016	OEIS_016	3(a)	OEIS_016_Q3(a)	<p>003. Regarding PG&amp;E's Adjustments to its WORM</p> <p>In its 2023 WMP Update, PG&amp;E discusses the changes made between its Wildlife Distribution Risk Model (WDRM) Version 3 (V3) to Version 4 (V4). Based off those changes, provide:</p> <p>a. An updated version of Table 6-5 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>b. An updated version of Table 6-6 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>c. An updated version of Figure 7-1 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>d. An updated version of Figure 7-4 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>e. A graph demonstrating the overlaid risk scores between V3 and V4, similar to the graph provided in Data Request OEIS-PG&amp;E-23-09 Question 17 showing the difference in output between V2 and V3.</p>	Blair Hill	4/22/2024	5/8/2024	5/8/2024	1	NA	6.1.2	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
601	MGRA	Date Request No. 12	MGRA_Data Request No. 12	1	MGRA_Data Request No. 12_Q1	<p>Please provide an Excel spreadsheet giving the mapping between PG&amp;E weather station IDs and the used by Synlogic for the PG&amp;E response if these IDs are different.</p>	Joseph Michael	4/25/2024	4/30/2024	4/29/2024	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 AD PG&E 23-03 - Weather Station Maintenance and Calibration
602	Green Power Institute (GPI)	003	Green Power Institute (GPI)_003	1	Green Power Institute (GPI)_003_Q1	<p>Please provide any PG&amp;E slides, meeting materials, and meeting minutes generated for and/or presented at the last Joint OCU working sessions held in 2023 to discuss the different types of programs and practices each OCU has in place for disposing and recycling woody debris and vegetation (1)</p> <p>1) SDG&amp;E 2023 WMP Update, April 2, 2024, pp. 50-53</p>	Zoe Harold	4/26/2024	5/1/2024	5/1/2024	0	NA	8	Section 8.2 - Vegetation Management and Inspections	8.2.3 Vegetation and Fuels Management
603	Green Power Institute (GPI)	003	Green Power Institute (GPI)_003	2	Green Power Institute (GPI)_003_Q2	<p>Please provide any PG&amp;E slides, meeting materials, and meeting minutes generated for and/or presented at the Joint OCU meeting held in 2023 to discuss each utility's respective fuels management programs and regional collaboration on a possible ongoing study on best practices and efficacy of fuels management (2)</p> <p>2) SDG&amp;E 2023 WMP Update, April 2, 2024, pp. 50-53</p>	Zoe Harold	4/26/2024	5/1/2024	5/1/2024	0	NA	8	Section 8.2 - Vegetation Management and Inspections	8.2.3 Vegetation and Fuels Management
604	Green Power Institute (GPI)	003	Green Power Institute (GPI)_003	3	Green Power Institute (GPI)_003_Q3	<p>Please provide a summary of any developments since the 2023 meeting and working sessions towards initiating a joint OCU study on best practices and efficacy of fuels management, including but not limited to planned topics for inclusion in the ongoing study.</p>	Zoe Harold	4/26/2024	5/1/2024	5/1/2024	0	NA	8	Section 8.2 - Vegetation Management and Inspections	8.2.3 Vegetation and Fuels Management

805	OEIS	017	OEIS_017	1	OEIS_017_01	<p>Regarding the Joint Utility Covered Conductor Effectiveness Weekly Meetings          PG&amp;E 2023 Update mentions that it participated in weekly meetings with utilities in 2022 to benchmark and share information regarding covered conductor effectiveness. It is 48 responses to PG&amp;E 2023-04 "Covered Conductor Effectiveness: Best Practices for Inclusion of Climate Change Forecasts in Consequence Modeling, Including Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildlife Safety".          Please provide the following:          1. Which utilities were present at these weekly meetings?          2. If the first monthly meeting topic:          a. If these meetings were in response to a specific Area of Continued Improvement?          b. If so, please state which Area of Continued Improvement?          c. If not, please state what directive these meetings were in response to.</p>	Brad Hill	4/29/2024	5/2/2024	5/2/2024	<a href="https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness">https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-04
806	OEIS	017	OEIS_017	2	OEIS_017_02	<p>Regarding the Utility Understanding Working Group Meetings          PG&amp;E 2023 Update mentions that "utility the utilities also developed an underground working group to discuss technical and the challenges associated with underground." It is 48 responses to PG&amp;E 2024 "Covered Conductor Effectiveness: Best Practices for Inclusion of Climate Change Forecasts in Consequence Modeling, Including Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildlife Safety". Please explain the following:          1. The general duration of these meetings.          2. Are these monthly, weekly, or quarterly meetings? Please specify.          3. If these meetings were in response to a specific Area of Continued Improvement?          a. If so, please state which Area of Continued Improvement?          b. If not, please state what directive these meetings were in response to.</p>	Brad Hill	4/29/2024	5/2/2024	5/2/2024	<a href="https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness">https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-04
807	OEIS	017	OEIS_017	3	OEIS_017_03	<p>Regarding the Standing Joint Utility Monthly Meetings          PG&amp;E 2023 Update mentions that "Furthermore, we described above, PG&amp;E, SCE, and SDG&amp;E developed standing monthly joint utility meetings, creating a forum to keep one another updated and discuss wildfire topics." It is 48 responses to PG&amp;E 2024 "Covered Conductor Effectiveness: Best Practices for Inclusion of Climate Change Forecasts in Consequence Modeling, Including Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildlife Safety". Please provide the following:          1. The general duration of these meetings?          2. Are these monthly, weekly, or quarterly meetings?          3. If these meetings were in response to a specific Area of Continued Improvement?          a. If so, please state which Area of Continued Improvement?          b. If not, please state what directive these meetings were in response to.</p>	Brad Hill	4/29/2024	5/2/2024	5/2/2024	<a href="https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness">https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness</a>	4	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-04
808	OEIS	017	OEIS_017	4	OEIS_017_04	<p>Regarding the Joint Utility Monthly Meetings on the WMP          PG&amp;E 2023 Update mentions that "The Joint Utilities conduct a monthly meeting that discusses many areas of the WMP in depth." It is 48 responses to PG&amp;E 2024 "Covered Conductor Effectiveness: Best Practices for Inclusion of Climate Change Forecasts in Consequence Modeling, Including Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildlife Safety". Please provide the following:          1. The general duration of these meetings?          2. Are these monthly, weekly, or quarterly meetings?          3. If these meetings were in response to a specific Area of Continued Improvement?          a. If so, please state which Area of Continued Improvement?          b. If not, please state what directive these meetings were in response to.</p>	Brad Hill	4/29/2024	5/2/2024	5/2/2024	<a href="https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness">https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-04
809	MGRA	Data Request No. 13	MGRA_Data Request No. 13	1	MGRA_Data Request No. 13_01	<p>The PG&amp;E response supplied to MGRA in WMP-Discovery0222-DR_DR_MGRA_009-021548107-01, has inaccuracies and omissions because:          a. It contained an ID that could be misused-referenced to PG&amp;E's restricted ignition data base.          b. It contained only ignition data, not ignition times, which makes it impossible to distinguish them, since many ignitions occur on the same day.          The existing response therefore has not been made available for practical investigation regarding cause or whether and is of limited utility.          Please provide an updated version containing standard ignition IDs and times.</p>	Joseph Mitchell	4/30/2024	5/3/2024	5/1/2024	<a href="https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness">https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-25 Fire Potential Index (FPI) and Ignition Probability (WPV) Enhancements
810	CAIPA	Sat WMP-47	CAIPA_Sat WMP-47	1	CAIPA_Sat WMP-47_01	<p>The attached spreadsheet (filename "CalAdvocates-PG&amp;E-2023WMP-11Q1ATTCO_CONF_04") contains a subset of PG&amp;E's 2024-2025 system hardening schedule as provided in response to Cal Advocates data request CAIPAAdvocates-PG&amp;E-2023WMP-01 Question B. Specifically, it contains 30 underground projects that were scoped using Wildfire Distribution Risk Model (WDRM) v2. 30 underground projects that were scoped using Wildfire Distribution Risk Model v3 and 81 projects in locations with a mix of v2 and v3 items.          If 47 of all projects scoped using WDRM v2 (in the tab labeled "v2 projects") please provide the total risk reduction percentage (similar to Column AN) for these projects using WDRM v4 in a working Excel spreadsheet (i.e., with links, formulas, source data, etc.).          If 79 of all projects scoped using WDRM v3 (in the tab labeled "v3 projects") please provide the total risk reduction percentage (similar to Column AN) for these projects using WDRM v4 in a working Excel spreadsheet (i.e., with links, formulas, source data, etc.).          If 127 of all projects in the tab "v2 and v3 mix" please provide the total risk reduction percentage (similar to Column AN) for these projects using WDRM v4 in a working Excel spreadsheet (i.e., with links, formulas, source data, etc.).</p>	Mica Gordon	4/30/2024	5/3/2024	5/3/2024	<a href="https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness">https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness</a>	0	NA	8.1,2,5	System Hardening	NA
811	MGRA	Data Request No. 14	MGRA_Data Request No. 14	1	MGRA_Data Request No. 14_01	<p>The most recent WMP-Discovery0222-DR_DR_MGRA_010-021548107-01, contains 11 ignition events which Downed Conductor Detection (DCC) technology was enabled. Please see the WDRM data for the full cases, as reported to the CPUC, for ignitions that occurred on the DCC-enabled events. Please provide the following:          1. The date and time of the ignition.          2. The location of the ignition.          3. The type of equipment/facility where the ignition occurred.          4. The status of the ignition (e.g., extinguished, uncontrolled, etc.).</p>	Joseph Mitchell	5/2/2024	5/7/2024	5/7/2024	<a href="https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness">https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-25 Fire Potential Index (FPI) and Ignition Probability (WPV) Enhancements
812	MGRA	Data Request No. 14	MGRA_Data Request No. 14	2	MGRA_Data Request No. 14_02	<p>Yes, out of the 11 ignitions that occurred where Downed Conductor Detection (DCC) was enabled on the upstream projects.          Please see the WDRM data for the full cases, as reported to the CPUC, for ignitions that occurred on the DCC-enabled events. Please provide the following:          1. The date and time of the ignition.          2. The location of the ignition.          3. The type of equipment/facility where the ignition occurred.          4. The status of the ignition (e.g., extinguished, uncontrolled, etc.).</p>	Joseph Mitchell	5/2/2024	5/7/2024	5/7/2024	<a href="https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness">https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-25 Fire Potential Index (FPI) and Ignition Probability (WPV) Enhancements
813	MGRA	Data Request No. 14	MGRA_Data Request No. 14	3	MGRA_Data Request No. 14_03	<p>Please provide the full cases (as reported to the CPUC) for the ignitions that occurred on the DCC-enabled events. Please provide the following:          1. The date and time of the ignition.          2. The location of the ignition.          3. The type of equipment/facility where the ignition occurred.          4. The status of the ignition (e.g., extinguished, uncontrolled, etc.).</p>	Joseph Mitchell	5/2/2024	5/7/2024	5/7/2024	<a href="https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness">https://www.pge.com/energy/operations/operations-and-maintenance/covered-conductor-effectiveness</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-25 Fire Potential Index (FPI) and Ignition Probability (WPV) Enhancements

814	MGRA	Date Request No. 14	MGRA_Data_Request No. 14	4	MGRA_Data_Request No. 14_04	Please provide detailed case information for the 17 "near miss" events that PG&E may have been covered by DCD activation, as well as outage dates and times.	<p>Please see the below table for a list of the 17 potentially avoided outages PG&amp;E observed in 2023 for which the outage had been identified by DCD technology. Outages 17a, 18a, 20a, 21a, 22a, 23a, 24a, 25a, 26a, 27a, 28a, 29a, 30a, 31a, 32a, 33a, 34a, 35a, 36a, 37a, 38a, 39a, 40a, 41a, 42a, 43a, 44a, 45a, 46a, 47a, 48a, 49a, 50a, 51a, 52a, 53a, 54a, 55a, 56a, 57a, 58a, 59a, 60a, 61a, 62a, 63a, 64a, 65a, 66a, 67a, 68a, 69a, 70a, 71a, 72a, 73a, 74a, 75a, 76a, 77a, 78a, 79a, 80a, 81a, 82a, 83a, 84a, 85a, 86a, 87a, 88a, 89a, 90a, 91a, 92a, 93a, 94a, 95a, 96a, 97a, 98a, 99a, 100a.</p> <p>Joseph Michael</p> <p>5/2/2024</p> <p>5/7/2024</p> <p>5/7/2024</p> <p><a href="https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports">https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-25 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
815	MGRA	Date Request No. 14	MGRA_Data_Request No. 14	5	MGRA_Data_Request No. 14_05	How many "false" DCD signals were received that resulted in outages in 2023? What were the number of customers and customer minutes affected?	<p>Joseph Michael</p> <p>5/2/2024</p> <p>5/13/2024</p> <p>5/13/2024</p> <p><a href="https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports">https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-25 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
816	OEIS	018	OEIS_018	1	OEIS_018_01	Regarding FTI Inventory Only Items In response to Data Request OEIS/WMP-0224-PG&E-001, Question 10(a), PG&E stated that "PG&E's operational approach to FTI was changed to only fill out a YRAG form on those prescribed for work." PG&E has stated that it has implemented but not prescribed each "Inventory only item". What information does PG&E record on One VM inventory only items? Provide screenshots of One VM showing the fields inspectors most populate for inventory only items.	<p>Brad Hill</p> <p>5/3/2024</p> <p>5/8/2024</p> <p>5/8/2024</p> <p><a href="https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports">https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports</a></p>	2	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-19 Continued Progression of Vegetation Management Maturity
817	OEIS	018	OEIS_018	2	OEIS_018_02	Regarding Bark-to-Barkline Completion in 2023 In the WMP Update, PG&E states that it completed 4,700 units of new or replacement portable and permanent batteries (P-C&B). Provide, in tabular format, a list of accounts that received a battery in 2023, including: Whether the battery was new or a replacement. Whether that battery was portable or permanent. If applicable, I'm looking for the following documents: Data Request CallArchives_039-0014_CallArchives_PGE2023WMP-03 Data Request Date: March 22, 2024 PG&E Date of Response to Data Request: April 5, 2024 PG&E Document No. or Title: WMP-Discovery2023-2025_DR_CallArchives_039-0014H4N61CONC.pdf WMP-Discovery2023-2025_DR_CallArchives_039-0014H4N61CONC.pdf WMP-Discovery2023-2025_DR_CallArchives_039-0014H4N61CONC.pdf WMP-Discovery2023-2025_DR_CallArchives_039-0014H4N61CONC.pdf WMP-Discovery2023-2025_DR_CallArchives_039-0014H4N61CONC.pdf	<p>Brad Hill</p> <p>5/3/2024</p> <p>5/8/2024</p> <p>5/8/2024</p> <p><a href="https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports">https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports</a></p>	1	NA	8.5.3	8.0.5 Mitigation	8.5.3 Engagement with Access and Function/Needs Prioritization
818	CPUC - SPD (Safety Policy Division)	013	CPUC - SPD Safety Policy Division) 013	1	CPUC - SPD Safety Policy Division) 013_01		<p>Harry Swain</p> <p>5/4/2024</p> <p>5/22/2024</p> <p>5/16/2024</p> <p><a href="https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports">https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports</a></p>	4	NA	8	Section 8.3 - Situational Awareness and Forecasting	8.3.4 Existing Ignition Detection Senses and Systems
819	CaPA	Set WMP-48	CaPA_Set WMP-48	1	CaPA_Set WMP-48_01	For PG&E's three-wire un-grounded primary circuits at or below 35 kV (normal) phase describe, with reference to PG&E's procedures: a) PG&E's fast-to- trip-to- ground thresholds, or EPSS (line-to-ground) thresholds. b) How PG&E's fast-to- trip-to- ground thresholds are calculated from measured circuit values. c) The intentional delays assigned to these line-to-ground thresholds. d) How PG&E's fast-to- trip-to- ground thresholds are calculated from measured circuit values. e) The intentional delays assigned to these ground-current thresholds, and f) How the current (both line and ground) and delay thresholds differ from non- faulting settings.	<p>Tyler Hotschak</p> <p>5/16/2024</p> <p>5/31/2024</p> <p>5/31/2024</p> <p><a href="https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports">https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Issues Relating to EPSS
820	CaPA	Set WMP-48	CaPA_Set WMP-48	2	CaPA_Set WMP-48_02	For PG&E's four-wire mid-ground primary circuits at or below 35 kV (phase describe, with reference to PG&E's procedures: a) PG&E's fast-to- trip-to- ground thresholds. b) How PG&E's fast-to- trip-to- ground thresholds are calculated from measured circuit values. c) The intentional delays assigned to these line-to-ground thresholds. d) How PG&E's fast-to- trip-to- ground thresholds are calculated from measured circuit values. e) The intentional delays assigned to these ground-current thresholds, and f) How the current (both line and ground) and delay thresholds differ from non- faulting settings.	<p>Tyler Hotschak</p> <p>5/16/2024</p> <p>6/3/2024</p> <p>5/31/2024</p> <p><a href="https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports">https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports</a></p>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Issues Relating to EPSS
821	CaPA	Set WMP-48	CaPA_Set WMP-48	3	CaPA_Set WMP-48_03	For PG&E's circuits above 35 kV but not classified as part of the NERC bulk electric system phase describe, with reference to PG&E's procedures: a) PG&E's fast-to- trip-to- ground thresholds. b) How PG&E's fast-to- trip-to- ground thresholds are calculated from measured circuit values. c) The intentional delays assigned to these line-to-ground thresholds. d) How PG&E's fast-to- trip-to- ground thresholds are calculated from measured circuit values. e) The intentional delays assigned to these ground-current thresholds, and f) How the current (both line and ground) and delay thresholds differ from non- faulting settings.	<p>Tyler Hotschak</p> <p>5/16/2024</p> <p>5/31/2024</p> <p>5/31/2024</p> <p><a href="https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports">https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Issues Relating to EPSS
822	CaPA	Set WMP-48	CaPA_Set WMP-48	4	CaPA_Set WMP-48_04	For PG&E's circuits above 35 kV and classified as part of the NERC bulk electric system phase describe, with reference to PG&E's procedures: a) PG&E's fast-to- trip-to- ground thresholds. b) How PG&E's fast-to- trip-to- ground thresholds are calculated from measured circuit values. c) The intentional delays assigned to these line-to-ground thresholds. d) How PG&E's fast-to- trip-to- ground thresholds are calculated from measured circuit values. e) The intentional delays assigned to these ground-current thresholds, and f) How the current (both line and ground) and delay thresholds differ from non- faulting settings.	<p>Tyler Hotschak</p> <p>5/16/2024</p> <p>5/31/2024</p> <p>5/31/2024</p> <p><a href="https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports">https://www.pge.com/energy/operations/operations-and-maintenance/operations-and-maintenance-reports-and-incident-reports</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Issues Relating to EPSS





832	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	10x2	CPUC - SPD (Safety Policy Division)_014_C102	<p>Provide the last 100 created Priority A tags and associated inspection report. Include all photos from tags or inspection reports.</p> <p>a. A minimum of 50 tags must be identified during inspections.</p> <p>b. A minimum of 50 tags must be from the HFTD.</p> <p>c. If the 100 latest created tags do not meet the criteria from a) and b), supplement the request with the latest created tags for a) and b) until all requirements are met. SPD requests the maximum number of tags to be submitted to be 200.</p>	<p>Please see "WMP-Discovery2023-2025_DR_SPD_014-Q0013(AG024010)CONF.pdf" for the requested images associated with tags and inspection reports provided with SPD_014-Q0013 request. We apologize for the delay in providing these images.</p> <p>Please also see the table below for notification numbers and equipment IDs associated with the requested images. The images provided have been named with their corresponding SAP Equipment ID number.</p> <p>SAP Equipment ID Notification Number Priority</p> <p>10024842 12815801</p> <p>A 120107296 128117808 A 120441222 120846579</p> <p>100517371 128195292</p> <p>A 100565473 128173925</p> <p>A 10077239 128051119</p> <p>A 120794135 128173748</p> <p>A 100994062 128174590</p> <p>A 101026683 128175953</p>	Herry Dewar	5/14/2024	6/01/2024	6/01/2024	<a href="https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=10024842">https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=10024842</a> <a href="https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=12815801">https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=12815801</a>	1	NA	8	8.0 Wildlife Migrations	8.1.3 Asset Inspections
833	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	2	CPUC - SPD (Safety Policy Division)_014_Q2	<p>Provide the last 100 created Priority X work orders and associated inspection report. Include all photos from work orders or inspection reports.</p> <p>a. A minimum of 50 tags must be identified during inspections.</p> <p>b. A minimum of 50 tags must be from the HFTD.</p> <p>c. If the 100 latest created tags do not meet the criteria from a) and b), supplement the request with the latest created tags for a) and b) until all requirements are met. SPD requests the maximum number of tags to be submitted to be 200.</p>	<p>PG&amp;E understands this to be requesting tags related to overhead OHR inspections. Please note, as tags can be created outside of inspections, not all tags have associated inspection reports.</p> <p>a. Please see "WMP-Discovery2023-2025_DR_SPD_014-Q002(A0401)CONF.pdf" for 45 Priority X tags and 44 associated inspection reports. Please note, tags 128778454 and 128778509 were created during the same inspection and are associated with inspection report "010111564_CONF.pdf" located within the referenced zip folder.</p> <p>b. Please see "WMP-Discovery2023-2025_DR_SPD_014-Q002(A0403)CONF.pdf" for 48 Priority A tags that were located in HFTD.</p> <p>c. Please see "WMP-Discovery2023-2025_DR_SPD_014-Q002(A0403)CONF.pdf" for seven additional Priority X tags to satisfy this subject (c) of this request.</p>	Herry Dewar	5/14/2024	5/31/2024	5/31/2024	<a href="https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=10024842">https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=10024842</a> <a href="https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=12815801">https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=12815801</a>	3	NA	8	8.0 Wildlife Migrations	8.1.3 Asset Inspections
834	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	3	CPUC - SPD (Safety Policy Division)_014_Q3	<p>Provide the last 100 created Priority B work orders and associated inspection report. Include all photos from work orders or inspection reports.</p> <p>a. A minimum of 50 tags must be identified during inspections.</p> <p>b. A minimum of 50 tags must be from the HFTD.</p> <p>c. If the 100 latest created tags do not meet the criteria from a) and b), supplement the request with the latest created tags for a) and b) until all requirements are met. SPD requests the maximum number of tags to be submitted to be 200.</p>	<p>PG&amp;E understands this to be requesting tags related to overhead OHR inspections. Please note, as tags can be created outside of inspections, not all tags have associated inspection reports.</p> <p>a. Please see "WMP-Discovery2023-2025_DR_SPD_014-Q003(A01)CONF.pdf" for 24 Priority B tags that were identified during inspections and their associated inspection reports.</p> <p>b. Please see "WMP-Discovery2023-2025_DR_SPD_014-Q003(A01)CONF.pdf" for 24 Priority B tags that were located in HFTD. As these tags were created during inspections, this attachment also contains their associated inspection reports.</p> <p>c. Please see "WMP-Discovery2023-2025_DR_SPD_014-Q003(A01)CONF.pdf" for 28 additional Priority B tags to satisfy subject (c) of this request. As these tags were created during inspections, this attachment also contains their associated inspection reports.</p>	Herry Dewar	5/14/2024	5/31/2024	5/31/2024	<a href="https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=10024842">https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=10024842</a> <a href="https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=12815801">https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=12815801</a>	3	NA	8	8.0 Wildlife Migrations	8.1.3 Asset Inspections
835	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	4	CPUC - SPD (Safety Policy Division)_014_Q4	<p>Provide all job bulletins related to "X" tags.</p>	<p>PG&amp;E does not have a job bulletin related to "X" tags, however, please see "WMP-Discovery2023-2025_DR_SPD_014-Q4</p>	Herry Dewar	5/14/2024	5/28/2024	5/28/2024	<a href="https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=10024842">https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=10024842</a> <a href="https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=12815801">https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=12815801</a>	1	NA	8	8.0 Wildlife Migrations	8.1.3 Asset Inspections
836	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	5	CPUC - SPD (Safety Policy Division)_014_Q5	<p>Provide number of A, B, X, E, F for Aerial, Ground and Pole Test and Test Trays during inspections in 2023 and 2024 broken down by HFTD and non HFTD. Include number of inspections and find one for each tag type. Submit the same information in the same format as Table RN PG&amp;E 23 04 7 (attached as email) for 2023 and 2024 from PG&amp;E's 2023-2025 Wildlife Migration Plan Supplemental Response to Revision Notice, except provide the actual tag finds, rather than "Forecast Tag Finds," indicate if inspectors or planes were used for any of the actual inspection.</p>	<p>2023-2024 Actual Finds by Inspection Type Annual Inspections 2023 Annual Inspections 2024 (YTD) Inspection Type Year Priority First Rate Actual Inspections by Tag Actual Tag First First Rate Actual Inspections by Tag Actual Tag First Rate</p> <p>Aerial</p> <p>Non-HFTD</p> <p>#FFRA</p> <p>A</p> <p>4</p> <p>0.00%</p> <p>1.581</p> <p>0.32%</p> <p>1.581</p> <p>0</p> <p>0</p> <p>0.00%</p> <p>#PNA*</p> <p>#PNA*</p> <p>0.80%</p> <p>1.581</p> <p>0</p> <p>0</p> <p>0.00%</p> <p>#PNA*</p> <p>#PNA*</p> <p>1.14%</p> <p>1.6</p> <p>0</p> <p>0.00%</p> <p>#PNA*</p> <p>#PNA*</p> <p>15.31%</p> <p>242</p> <p>0</p> <p>0.00%</p> <p>#PNA*</p> <p>#PNA*</p> <p>0.38%</p> <p>5</p> <p>0</p> <p>0.00%</p>	Herry Dewar	5/14/2024	5/28/2024	5/28/2024	<a href="https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=10024842">https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=10024842</a> <a href="https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=12815801">https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=12815801</a>	0	NA	8	8.0 Wildlife Migrations	8.1.3 Asset Inspections
836	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	5	CPUC - SPD (Safety Policy Division)_014_Q5(6)	<p>Provide number of A, B, X, E, F for Aerial, Ground and Pole Test and Test Trays during inspections in 2023 and 2024 broken down by HFTD and non HFTD. Include number of inspections and find one for each tag type. Submit the same information in the same format as Table RN PG&amp;E 23 04 7 (attached as email) for 2023 and 2024 from PG&amp;E's 2023-2025 Wildlife Migration Plan Supplemental Response to Revision Notice, except provide the actual tag finds, rather than "Forecast Tag Finds," indicate if inspectors or planes were used for any of the actual inspection.</p>	<p>REVISION 05 REVISED 01</p> <p>Please see the table below, which has been updated to include the 2023-2024 actual find data for aerial inspections. This actual find data for aerial inspections is current as of May 23, 2024. We were still gathering and quality checking the data when we provided our email May 28, 2024 response.</p> <p>2023-2024 Actual Finds by Inspection Type</p> <p>2023-2024 Actual Finds by Inspection Type Annual Inspections 2023 Annual Inspections 2024 (YTD) Inspection Type Year Priority First Rate Actual Inspections by Tag Actual Tag First First Rate Actual Inspections by Tag Actual Tag First Rate</p> <p>Aerial</p> <p>Non-HFTD</p> <p>#FFRA</p> <p>A</p> <p>4</p> <p>0.00%</p> <p>1.581</p> <p>0.32%</p> <p>1.581</p> <p>0</p> <p>0</p> <p>0.00%</p> <p>0.70%</p> <p>0</p> <p>0</p> <p>0.00%</p> <p>1.1%</p> <p>22</p> <p>0</p> <p>0.00%</p> <p>17</p> <p>0</p> <p>0.00%</p> <p>31.36%</p> <p>22</p> <p>0</p> <p>0.00%</p> <p>15.31%</p> <p>242</p>	Herry Dewar	5/14/2024	5/31/2024	6/5/2024	<a href="https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=10024842">https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=10024842</a> <a href="https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=12815801">https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=12815801</a>	0	NA	8	8.0 Wildlife Migrations	8.1.3 Asset Inspections
836	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	5(6)	CPUC - SPD (Safety Policy Division)_014_Q5(6)(2)	<p>Provide number of A, B, X, E, F for Aerial, Ground and Pole Test and Test Trays during inspections in 2023 and 2024 broken down by HFTD and non HFTD. Include number of inspections and find one for each tag type. Submit the same information in the same format as Table RN PG&amp;E 23 04 7 (attached as email) for 2023 and 2024 from PG&amp;E's 2023-2025 Wildlife Migration Plan Supplemental Response to Revision Notice, except provide the actual tag finds, rather than "Forecast Tag Finds," indicate if inspectors or planes were used for any of the actual inspection.</p>	<p>PG&amp;E responded to "WMP-Discovery2023-2025_DR_SPD_014-Q001.pdf" (Q001), "WMP-Discovery2023-2025_DR_SPD_014-Q002.pdf" (Q002) and "WMP-Discovery2023-2025_DR_SPD_014-Q003.pdf" (Q003) as requested by reviewing the final newly created 100 tags in its Priority A, X, and B categories. PG&amp;E responded to "WMP-Discovery2023-2025_DR_SPD_014-Q004(Rev)01.pdf" (Q004), by providing a count of all tags created from inspections only in 2024. As more than 100 tags were created in 2024, the count requested in Q004 cannot include more tags. PG&amp;E also included the count of 112 tags in the table below in the data pull for Question 005, which was not included in PG&amp;E's email response. A slight methodology when applying there to pull the tag count data for Question 005 compared to what was used for Q001-Q003 in PG&amp;E's review of records, which the data in those questions was pulled by different teams. PG&amp;E has since aligned on the data pull methodology and is providing updated counts for Q005 as shown in table below.</p> <p>2023-2024 Actual Finds by Inspection Type</p> <p>Annual Inspections 2023 Annual Inspections 2024 (YTD)</p> <p>Inspection Type</p> <p>Year Priority First Rate</p> <p>Actual</p> <p>Inspections by Tag</p> <p>Actual Tag</p> <p>First</p> <p>Rate</p> <p>Actual</p> <p>Inspections by Tag</p> <p>Actual Tag</p> <p>First</p> <p>Rate</p>	Herry Dewar	5/14/2024	6/21/2024	6/20/2024	<a href="https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=10024842">https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=10024842</a> <a href="https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=12815801">https://www.psc.ny.gov/Forms/Tag/View/View.aspx?tagid=12815801</a>	0	NA	8	8.0 Wildlife Migrations	8.1.3 Asset Inspections

836	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014_05(0480)	5/26/2024	CPUC - SPD (Safety Policy Division)_014_05(0480)	<p>Provide number of A, B, C, E, F for Asset, Ground and Post Test and Travel time during inspections in 2024, and in 2023 broken down by WFO and WFO D. Provide number of inspections and time for each type. Submit the same information in the same format as Table RN PG&amp;E 23 04 7 (attach in excel) for 2023 and 2024 from PG&amp;E's 2023 2023 Wildlife Migration Plan Supplemental Metrics. In Release Reports, attach priority for actual tag hits, rather than "Forecast Tag Fails." Include if inspectors or plans were used for any of the asset inspections.</p>	Henry Swast	5/14/2024	7/26/2024	7/26/2024	<a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-26-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-26-2024</a> <a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-26-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-26-2024</a> <a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-26-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-26-2024</a>	0	NA	8	8.0 Wildlife Migrations	8.1.3 Asset Inspections
837	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014_6	6	CPUC - SPD (Safety Policy Division)_014_06	<p>Explain tag re-prioritization oversight process where an inspector's initial prioritization is changed.</p> <p>a. Provide the number of tags in 2024 found during inspections where the inspector identified A, X, and B tags where the tag was re-prioritized to a less urgent priority, and why priority it was re-assigned.</p> <p>b. Provide inspection reports and work orders, including all photos, for the last 10 created tag found during inspections for each of A, X, and B where the tag was re-prioritized to a less urgent priority.</p> <p>c. Provide a list of all tags found in April during inspections where the inspector identified A, X, and B tags where the tag was re-prioritized to a less urgent priority. The list should include (1) the notification number, (2) the date each tag was found, (3) the original priority, (4) the changed priority and (5) a description of the finding.</p>	Henry Swast	5/14/2024	5/31/2024	5/28/2024	<a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024</a> <a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024</a> <a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024</a>	3	NA	8	8.0 Wildlife Migrations	8.1.3 Asset Inspections
837	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014_06(6)	6(6)	CPUC - SPD (Safety Policy Division)_014_06(6)	<p>Explain tag re-prioritization oversight process where an inspector's initial prioritization is changed.</p> <p>a. Provide the number of tags in 2024 found during inspections where the inspector identified A, X, and B tags where the tag was re-prioritized to a less urgent priority, and why priority it was re-assigned.</p> <p>b. Provide inspection reports and work orders, including all photos, for the last 10 created tag found during inspections for each of A, X, and B where the tag was re-prioritized to a less urgent priority.</p> <p>c. Provide a list of all tags found in April during inspections where the inspector identified A, X, and B tags where the tag was re-prioritized to a less urgent priority. The list should include (1) the notification number, (2) the date each tag was found, (3) the original priority, (4) the changed priority and (5) a description of the finding.</p>	Henry Swast	5/14/2024	6/13/2024	6/13/2024	<a href="https://www.gas.com/omni/inspectors/insp-reports-2024-06-13-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-06-13-2024</a> <a href="https://www.gas.com/omni/inspectors/insp-reports-2024-06-13-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-06-13-2024</a> <a href="https://www.gas.com/omni/inspectors/insp-reports-2024-06-13-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-06-13-2024</a>	1	NA	8	8.0 Wildlife Migrations	8.1.3 Asset Inspections
838	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014_07	7	CPUC - SPD (Safety Policy Division)_014_07	<p>Provide the count of tags for each tag type in 2024 where an existing tag was re-prioritized to a more urgent priority and the priority to which it was assigned due to an inspection.</p>	Henry Swast	5/14/2024	5/28/2024	5/28/2024	<a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024</a> <a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024</a> <a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024</a>	0	NA	8	8.0 Wildlife Migrations	8.1.3 Asset Inspections
839	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014_08	8	CPUC - SPD (Safety Policy Division)_014_08	<p>What would motivate an inspector to override the prioritization for a tag in the job aid and increase the priority or de-prioritize?</p> <p>In this scenario, what prevents a de-prioritization of the tag during the review by a supervisor or other PG&amp;E employee?</p>	Henry Swast	5/14/2024	5/28/2024	5/28/2024	<a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024</a> <a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024</a> <a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024</a>	0	NA	8	8.0 Wildlife Migrations	8.1.3 Asset Inspections
840	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014_09	9	CPUC - SPD (Safety Policy Division)_014_09	<p>When does the field engineer get involved with addressing a high (A, X, B) priority tag? Provide responses.</p> <p>a. Can the field engineer change the priority of a tag? Provide examples.</p> <p>b. Describe the role of field engineers in the oversight and resolution of high priority tags.</p>	Henry Swast	5/14/2024	5/28/2024	5/28/2024	<a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024</a> <a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024</a> <a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024</a>	0	NA	8	8.0 Wildlife Migrations	8.1.3 Asset Inspections
841	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014_10	10	CPUC - SPD (Safety Policy Division)_014_10	<p>Discuss the process for updating the Distribution Inspection Job Aid.</p> <p>a. What is the process?</p> <p>b. Who has been involved?</p> <p>c. Which licensed civil (structural practitioners) or structural engineers reviewed the job aid?</p> <p>d. Provide feedback and comments in italics, including any email correspondence. Summarize any comments made or meetings discussing the Job Aid.</p> <p>e. Provide meeting notes from meetings discussing changes to Job Aid from the Wildlife Migration Governance Committee, or a similar type of committee governing distribution issues or inspections, provide them.</p>	Henry Swast	5/14/2024	5/28/2024	5/28/2024	<a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024</a> <a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024</a> <a href="https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024">https://www.gas.com/omni/inspectors/insp-reports-2024-05-28-2024</a>	8	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-09 Decrease in Deviated Distribution Inspections

642	OEIS	021	OEIS_021	1	OEIS_021_01	Regarding PG&E's 2023 Distribution Hardening GH1 Final Impact: a. In table 3-3 PG&E's 2023-2025 WMP, PG&E targets a 4.7% risk impact in 2025 for Initiative GH1. PG&E also states that it is not including any corresponding mitigation. Please explain how PG&E calculated the 4.7% risk impact for GH1 given the 2025 workload was not included in the time of WMP submissions. Provide all supporting documentation necessary to justify the 4.7% risk impact for Initiative GH1 in 2025.	Blair Hill	5/20/2024	5/23/2024	5/23/2024	<a href="https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-05-23-2024.pdf">https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-05-23-2024.pdf</a>	1	NA	6	Section 8.1.2 - Grid Design and System Hardening	8.1.2 Undergrounding of electric lines and/or upgrading
643	CPUC - SPD (Safety Policy Division)	015	CPUC - SPD (Safety Policy Division)_015_01	1	CPUC - SPD (Safety Policy Division)_015_01	1) In response to this: Date Request: Call/Interviews: 04/13/2023 (Call/Interviews: PGE2023WMP-05) Date Request Due: April 8, 2024 WMP Document No: WMP-Discovery2023-2025_DR_CalDocuats_041-0003A01CONF.jp WMP-Discovery2023-2025_DR_CalDocuats_041-0003A01CONF.jp	Henry Swast	5/4/2024	5/28/2024	5/28/2024	<a href="https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-05-28-2024.pdf">https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-05-28-2024.pdf</a>	3	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
644	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_01	1	CPUC - SPD (Safety Policy Division)_016_01	In response to ACI PG&E 23-13 "Workforce Planning and Resource Allocation to Respond to EPSS Events: Customer Engagement Duration Index (CADI) metric: PG&E included customer or average experience EPSS index of 178 minutes in 2022 and 193 minutes in 2023 (in 2023 the CADI score when including Mean Event Days (MED) was 182 minutes for 2023. What was the key reason(s) for this increase? For the indices in CADI from 2022 to 2023?"	Henry Swast	5/20/2024	6/4/2024	6/4/2024	<a href="https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-04-2024.pdf">https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-04-2024.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PA&E 23-13
645	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_02	2	CPUC - SPD (Safety Policy Division)_016_02	Identify what a PG&E's corporate process and strategic procedure for switching to a new model to support continuous engineering response alternatives is, including from WDR&S to WDR&S-adj? What are the model?	Henry Swast	5/20/2024	6/4/2024	6/4/2024	<a href="https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-04-2024.pdf">https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-04-2024.pdf</a>	0	NA	6	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
646	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_03	3	CPUC - SPD (Safety Policy Division)_016_03	Provide a list of memorandum (memo) and balancing accounts where WMP costs are currently being recorded as of May 31, 2024. In each of the memorandum and balancing accounts where WMP costs are being recorded provide the current WMP cost balance as follows (if balance year is < 2023) are expected to be same memo accounts, add columns and data for them as well: Year 2020 2021 2022 2023 2024 Recorded Account Capital Expenditure (S) Authorized Account Capital Expenditure (S) Authorized GRC Capital Expenditure (S) Is budgeting planning for work with budgeting for future years, how does PG&E use its memo and balancing accounts when used in its engineering alternatives, projects, and budgets?	Henry Swast	5/20/2024	6/10/2024	6/10/2024	<a href="https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-10-2024.pdf">https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-10-2024.pdf</a>	1	NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures
647	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_04	4	CPUC - SPD (Safety Policy Division)_016_04	Provide GIS data that show progressive sectionalization of EPSS-enabled circuits a. Data snapshot of circuits from January 1, 2022 b. Data snapshot of circuits from January 1, 2023 c. Data snapshot of circuits from January 1, 2024	Henry Swast	5/20/2024	6/4/2024	6/4/2024	<a href="https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-04-2024.pdf">https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-04-2024.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-26 Evaluation and Reporting of Safety Impact Ranking to EPSS
647	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_04a	4a)	CPUC - SPD (Safety Policy Division)_016_04a	Provide GIS data that show progressive sectionalization of EPSS-enabled circuits a. Data snapshot of circuits from January 1, 2022 b. Data snapshot of circuits from January 1, 2023 c. Data snapshot of circuits from January 1, 2024	Henry Swast	5/20/2024	6/27/2024	6/27/2024	<a href="https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-27-2024.pdf">https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-27-2024.pdf</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-26 Evaluation and Reporting of Safety Impact Ranking to EPSS
647	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_04b2	4b2)	CPUC - SPD (Safety Policy Division)_016_04b2	Provide GIS data that show progressive sectionalization of EPSS-enabled circuits a. Data snapshot of circuits from January 1, 2022 b. Data snapshot of circuits from January 1, 2023 c. Data snapshot of circuits from January 1, 2024	Henry Swast	5/20/2024	7/10/2024	7/10/2024	<a href="https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-07-10-2024.pdf">https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-07-10-2024.pdf</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-26 Evaluation and Reporting of Safety Impact Ranking to EPSS
648	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_05	5	CPUC - SPD (Safety Policy Division)_016_05	Provide GIS Data that show progressive sectionalization of PPS-enabled circuits: a. Data snapshot of circuits from January 1, 2021 b. Data snapshot of circuits from January 1, 2022 c. Data snapshot of circuits from January 1, 2023 d. Data snapshot of circuits from January 1, 2024	Henry Swast	5/20/2024	6/4/2024	6/4/2024	<a href="https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-04-2024.pdf">https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-04-2024.pdf</a>	0	NA	9	Section 9 - Public Safety Power Shutoff	9.1.5 Performance Metrics Identified by the Electrical Corporation
648	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_05a	5a)	CPUC - SPD (Safety Policy Division)_016_05a	Provide GIS Data that show progressive sectionalization of PPS-enabled circuits: a. Data snapshot of circuits from January 1, 2021 b. Data snapshot of circuits from January 1, 2022 c. Data snapshot of circuits from January 1, 2023 d. Data snapshot of circuits from January 1, 2024	Henry Swast	5/20/2024	6/28/2024	6/28/2024	<a href="https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-28-2024.pdf">https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-28-2024.pdf</a>	1	NA	9	Section 9 - Public Safety Power Shutoff	9.1.5 Performance Metrics Identified by the Electrical Corporation
649	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_06	6	CPUC - SPD (Safety Policy Division)_016_06	PG&E identifies in WMP-Discovery2023-2025_DR_CalDocuats_015-G003A01CONF a brief description of "critical attributes" and "conformance attributes" used to define trees. For the following questions, Vegetation Programs refer to the following programs: Distribution Routine, Distribution Second Panel, Face Tree Inspection, Vegetation Management for Operations, Tree Removal, Fossil Fuel Tree Inspection (FTI), Tree Removal, Face Clearing and Fuel Quality Control (FCQ). a. Provide the criteria for "critical attributes" evaluated by GAOIC inspectors for each Vegetation Program. b. Provide three examples of "conformance attributes" evaluated by GAOIC inspectors for each Vegetation Program. c. Provide three examples of "conformance attributes" evaluated by GAOIC inspectors for each Vegetation Program. d. Define the criteria assessed for the "critical trees" for each Vegetation Program. Comment on how suitable is "critical attributes" and "conformance attributes". e. Provide PG&E's criteria for GAOIC for each Vegetation Program. f. Provide the survey used by GAOIC and GAOIC inspectors to record information for each Vegetation Program. g. Describe how an attribute is measured as a standard and then segregated up to the pass rate for Vegetation Program. h. Provide "location" as used in Table 6-1.6 (Revised) and Table 6-1.2 (Revised). i. Explain when GAOIC or GAOIC would be different criteria for attributes and describe how the methods in the pass rate for each of the pass rate. For instance, when would each pass rate? j. WMP-Discovery2023-2025_DR_CalDocuats_015-G003A01CONF states the pass rate is in the Pass/Fail response for Critical and Conformance Attributes divided by Total Responses for Critical and Conformance Attributes minus N/A responses. k. When are the 224 total pass rate? l. The 1384_2240422112366_PGE's_202302025_Wildfire_Mitigation_Plan_Rev_3" indicates that the pass rate is based on the number of assets reviewed by GAOIC and how many are Critical Attributes (as defined by Asset Strategy) that are not included by the number of assets reviewed by GAOIC. m. The definition of pass rate appears to be different in a few ways than (1) the above defined number of Critical Attributes versus number of assets and (2) it includes conformance attributes, whereas the other does not. Explain the discrepancy between these two criteria and describe how they are used. n. Provide the last 5 completed GAOIC reviews for Distribution Routine that are not a history. o. Provide the last 5 completed GAOIC reviews for Distribution Routine that are not a history.	Henry Swast	5/20/2024	6/4/2024	6/4/2024	<a href="https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-04-2024.pdf">https://www.pge.com/~/media/PGE/Files/Reports/2023-2025-WMP-Response-to-Comments-06-04-2024.pdf</a>	16	NA	8.2.3	Vegetation Management and Inspections	High-Risk Species



854	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	11	CPUC - SPD (Safety Policy Division)_016_011	<p>Discuss how work orders are bundled.</p> <p>When an area is selected for bundling, explain whether all or only a partial set of work orders is addressed in a bundling project.</p> <p>Are there any remaining work orders not addressed by the bundled project to be addressed?</p> <p>Are there different types of bundling projects?</p> <p>Are there any project types which are bundling?</p> <p>Are there work orders near their completion deadline handled when bundled?</p> <p>Are there bundling projects in progress which have a later overall due date?</p> <p>Are there work orders created for bundling projects, or are the existing work orders used?</p> <p>Are there any bundling projects which are a contractor hired in a bundling project from multiple work orders already completed due to past work, such as emergency storm work, but were erroneously included in the list?</p> <p>Does PG&amp;E still pay for the work, or would the contractor-related payments or be would the contractor not charge for the work orders erroneously included in the list?</p>	<p>PG&amp;E is prioritizing bundling work and non-work items E and F forward.</p> <p>PG&amp;E is EC notification when bundling an area, as well as when possible with other notification types in an area consists of both HFTD and non-HFTD notifications, the non-HFTD notifications may not be addressed within the bundling project. In addition, a bundled notification may not be executed with the bundle if there are external constraints, for instance customer access or parking requirements that are unique to only a small portion of the bundle some of the notifications may be removed from the bundle to allow execution of the rest of the notifications.</p> <p>The remaining notifications will be addressed during the annual work planning cycle.</p> <p>The next step is to create a list of bundled projects which comes to bundling jobs and non-work items E and F forward. HFTD/RFA EC notifications. The first type consists of single isolation zone bundles and the second type consists of multiple isolation zones bundled by a crew.</p> <p>The main differences between these two types of bundling projects consist of the following:</p> <ol style="list-style-type: none"> <li>1. Single level bundles are usually much longer consisting of 100+ notifications and take multiple weeks to execute while isolation zone bundles are smaller and are executed in one to a few days typically.</li> <li>2. Single level bundles are project managed while single isolation zone bundles are managed within the division and individual work centers.</li> <li>3. The majority of the circular work bundles are resourced by contract partners while single isolation zone bundles are resourced through the normal work and resource planning process.</li> <li>4. Single level bundles are forecasted to be more efficient to execute as PG&amp;E can bundle more activities increasing throughput with the same amount of resources.</li> <li>5. Bundles are developed through PG&amp;E's annual planning process and are prioritized based on risk reduction and accessibility with an emphasis on bundling jobs and non-work priority E and F forward HFTD/RFA EC notifications. With PG&amp;E's EC notification when bundling an area, as well as when possible with other notification types in an area consists of both HFTD and non-HFTD notifications, the non-HFTD notifications may not be addressed within the bundling project. In addition, a bundled notification may not be executed with the bundle if there are external constraints, for instance customer access or parking requirements that are unique to only a small portion of the bundle some of the notifications may be removed from the bundle to allow execution of the rest of the notifications.</li> </ol>	<p>Harry Dewar</p> <p>5/30/2024</p> <p>6/4/2024</p> <p>6/4/2024</p> <p><a href="https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-011">https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-011</a></p>	0	NA	8	Section 8.1.7 - Open Work Orders	8.1.7.2 Open Work Orders - Distribution Tags	
855	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	12	CPUC - SPD (Safety Policy Division)_016_012	<p>What is PG&amp;E's false start rate for addressing work orders?</p> <p>What factors are the most common for a false start?</p>	<p>PG&amp;E is completing the response per clarification from the Safety Policy Division that "false start" are situations when job crews arrive at a job site and are unable to complete the job as scheduled.</p> <p>For Planned Electric Distribution Maintenance work, Major Work Categories 07, 2A, and KA, PG&amp;E's schedule adherence for January 2024 to June 30, 2024, is 86%. 12,297 units were completed, and 13,875 units were not completed. Of the 13,875 units not completed, 1,075 units (10%) is the rate of the units that would be considered not completed due to false start.</p> <p>From this year's data, the most common factors for a false start are:</p> <p>Additional time required (unforeseen field conditions) (2.5%)</p> <p>Change orders not in 15% (1%)</p> <p>Field conditions changed (4.8%)</p> <p>Miscalculated hours of effort (0.2%)</p> <p>No USA (0.1%)</p> <p>Field decision not to work (0.5%)</p> <p>Contractor field decision not to work (0.5%)</p> <p>Change the three highest factors for not meeting schedule adherence are Emergency, Incident Weather, and Rest Period. These factors for not completing against schedule are typically determined prior to a crew arriving at a job site and being able to complete the work as scheduled.</p>	<p>Harry Dewar</p> <p>5/30/2024</p> <p>6/10/2024</p> <p>6/10/2024</p> <p><a href="https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-012">https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-012</a></p>	0	NA	8	Section 8.1.7 - Open Work Orders	8.1.7.2 Open Work Orders - Distribution Tags	
856	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	13	CPUC - SPD (Safety Policy Division)_016_013	<p>The following questions reference information from the provided in response to the previous Data Request CPUC-SPD (Safety Policy Division)_004.</p> <p>Provide an updated version of "WMP-Discovery2023_DR_SPD_014-001(A&amp;B)&amp;C.docx" that includes the data from 2023 and any adjustments from the previous submission made to update data in previous years by PG&amp;E. "WMP-Discovery2023_DR_SPD_014-001(A&amp;B)&amp;C.docx" includes 49 CPUC-reportable ignitions occurred across RS, R4, and R5 (R4/R5 conditions) in 2022. The spreadsheet also states in 2022 that there were 3,475,200 CMA's Download Circuit Mile Data (CMA's) in R4, R4 or R5 conditions. Dividing 49 ignitions by 3,475,200 CMA's (100,000 meters or greater) results in 1.41 ignitions per 100k CMA or R4/R5 conditions. The 2023 spreadsheet also reports that the rate also appears to differ from other ignition rates compared in the following table but appear to have similar units and measured at the same methodology and same data.</p> <p>Explain the discrepancy, and if there was a different methodology or data source.</p> <p>Discuss the differences and the advantages of one methodology or data source over the other.</p> <p>Data supplied to IG in CPUC-SPD (Safety Policy Division)_004 (P)</p> <p>Ignition Rate</p> <p>R4</p> <p>R5</p> <p>R4/R5</p> <p>Total (R4+R5)</p> <p>2022</p> <p>Ignitions Total</p> <p>21</p> <p>21</p> <p>0</p> <p>0</p> <p>0</p> <p>1,41</p> <p>Ignitions in HFTD/RFA</p> <p>21</p>	<p>PG&amp;E is internal methodology for calculating the rate of the metric from 2022 used 3,931 ignitions per circuit mile. The 2023 rate from the IGMA analysis where the cumulative circuit mile data used as the denominator represented the total number of circuit miles in HFTD conditions calculated at the Fire Index Area (FIA) level. PG&amp;E's internal methodology uses the cumulative circuit mileage associated with an FPI value calculated for each unique circuit, a more granular approach.</p> <p>The circuit-specific circuit mileage data was unavailable at the time of the IGMA analysis.</p> <p>PG&amp;E's internal approach of calculating the ignitions and cumulative circuit miles associated with the FPI calculated for each individual circuit is more granular and a better representation of the risk calculated across the FPI ignitions in risky areas) versus the exposure for that risk in that period. In addition, the circuit-level values better align with our operational obligations (for example, when would enable EPSS protection).</p>	<p>Harry Dewar</p> <p>5/30/2024</p> <p>6/4/2024</p> <p>6/4/2024</p> <p><a href="https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-013">https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-013</a></p>	0	NA	8	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-08 - Addressing Increases in Risk Events
857	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	14	CPUC - SPD (Safety Policy Division)_016_014	<p>SPD understands PG&amp;E recently attended the 2024 Annual Conference   International Wildfire Risk Mitigation Consortium (intwrmc.com). Provide all presentations from that conference and provide the Conference presentation schedule.</p>	<p>The International Wildfire Risk Mitigation Consortium 2024 Annual Conference agenda is provided here: <a href="https://www.intwrmc.com/2024-annual-conference-agenda/">https://www.intwrmc.com/2024-annual-conference-agenda/</a></p> <p>Please see table below for presentations made by PG&amp;E employees and which are attached to this response. Agenda items from the Attachment Name</p> <p>Leveraging LAR to Identify a Mitigation Risk Associated with Long Hauling Communication Lines</p> <p>WMP-Discovery2023_DR_SPD_014-001(A&amp;B)&amp;C(CONF).pdf</p> <p>Preval Discussion &amp; Roundtable Q&amp;A - EPSS Protection</p> <p>WMP-Discovery2023_DR_SPD_014-001(A&amp;B)&amp;C(CONF).pdf</p> <p>PG&amp;E Wildfire Risk Model - Overview &amp; Incorporation of Egress, Suppression, and Interim Resources</p> <p>WMP-Discovery2023_DR_SPD_014-001(A&amp;B)&amp;C(CONF).pdf</p> <p>Wildfire Risk Model - Overview &amp; Incorporation of Egress, Suppression, and Interim Resources</p> <p>WMP-Discovery2023_DR_SPD_014-001(A&amp;B)&amp;C(CONF).pdf</p> <p>Wildfire Risk Model - Overview &amp; Incorporation of Egress, Suppression, and Interim Resources</p> <p>WMP-Discovery2023_DR_SPD_014-001(A&amp;B)&amp;C(CONF).pdf</p> <p>Wildfire Risk Model - Overview &amp; Incorporation of Egress, Suppression, and Interim Resources</p> <p>WMP-Discovery2023_DR_SPD_014-001(A&amp;B)&amp;C(CONF).pdf</p>	<p>Harry Dewar</p> <p>5/30/2024</p> <p>6/4/2024</p> <p>6/4/2024</p> <p><a href="https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-014">https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-014</a></p>	6	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-08 - Addressing Increases in Risk Events	
857	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	14a)	CPUC - SPD (Safety Policy Division)_016_014a)	<p>SPD understands PG&amp;E recently attended the 2024 Annual Conference   International Wildfire Risk Mitigation Consortium (intwrmc.com). Provide all presentations from that conference and provide the Conference presentation schedule.</p>	<p>The International Wildfire Risk Mitigation Consortium 2024 Annual Conference agenda is provided here: <a href="https://www.intwrmc.com/2024-annual-conference-agenda/">https://www.intwrmc.com/2024-annual-conference-agenda/</a></p> <p>Please see table below for presentations made by PG&amp;E employees and which are attached to this response. Agenda items from the Attachment Name</p> <p>Leveraging LAR to Identify a Mitigation Risk Associated with Long Hauling Communication Lines</p> <p>WMP-Discovery2023_DR_SPD_014-001(A&amp;B)&amp;C(CONF).pdf</p> <p>Preval Discussion &amp; Roundtable Q&amp;A - EPSS Protection</p> <p>WMP-Discovery2023_DR_SPD_014-001(A&amp;B)&amp;C(CONF).pdf</p> <p>PG&amp;E Wildfire Risk Model - Overview &amp; Incorporation of Egress, Suppression, and Interim Resources</p> <p>WMP-Discovery2023_DR_SPD_014-001(A&amp;B)&amp;C(CONF).pdf</p> <p>Wildfire Risk Model - Overview &amp; Incorporation of Egress, Suppression, and Interim Resources</p> <p>WMP-Discovery2023_DR_SPD_014-001(A&amp;B)&amp;C(CONF).pdf</p> <p>Wildfire Risk Model - Overview &amp; Incorporation of Egress, Suppression, and Interim Resources</p> <p>WMP-Discovery2023_DR_SPD_014-001(A&amp;B)&amp;C(CONF).pdf</p> <p>Wildfire Risk Model - Overview &amp; Incorporation of Egress, Suppression, and Interim Resources</p> <p>WMP-Discovery2023_DR_SPD_014-001(A&amp;B)&amp;C(CONF).pdf</p>	<p>Harry Dewar</p> <p>5/30/2024</p> <p>6/7/2024</p> <p>6/7/2024</p> <p><a href="https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-014a">https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-014a</a></p>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-08 - Addressing Increases in Risk Events	
858	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	15	CPUC - SPD (Safety Policy Division)_016_015	<p>These questions are based off the Pole Loading Assessment work described in Section 8.1.3.2.4 of "The Risk, 2024/01/17/2024, P&amp;E-2023-0205 - Wildfire - Mitigation - Plan Review - 3.ppt"</p> <p>Provide summary statistics for the pole loading calculations already performed including:</p> <p>Number of pole calculations performed in the HFTD</p> <p>Number of pole calculations remaining in the HFTD</p> <p>Number of poles where the calculated safety factor was less than the safety factor specified by GO-95, Rule 44.1, Table 4 in the HFTD</p> <p>Number of poles where the calculated safety factor was less than the safety factor specified by GO-95, Rule 44.2 in the HFTD</p> <p>Number of poles where the calculated safety factor was less than the safety factor specified by GO-95, Rule 44.3 in the HFTD</p> <p>Number of poles where the calculated safety factor was less than the safety factor specified by GO-95, Rule 44.2 in the HFTD despite no strength deterioration being incorporated into the calculation.</p> <p>Provide the same information for poles not located in the HFTD</p> <p>Provide an updated completion date for the program for both HFTD and non-HFTD areas.</p> <p>When the calculated safety factor is less than the safety factor specified by GO-95, Rule 44.1, Table 4 in GO-95, Rule 44.1, Table 4 and a warning when the calculated safety factor is a pole is less than the safety factor specified by GO-95, Rule 44.3.</p> <p>Discuss calculations performed on connectors, and provide similar data as requested in part (d).</p> <p>Provide "WMP-Discovery2023_DR_CMA-crates_032-000(A&amp;B)&amp;C(CONF).zip" if one of these poles calculations does not include a pole calculation with a drive pin, provide a priority cleanup pole calculation with drive pin.</p> <p>Provide the same information for poles not located in the HFTD areas.</p>	<p>The P&amp;A Program completed desktop-based assessments on approximately 630,000 poles in HFTD areas. The pole loading for the remaining poles in HFTD areas has been assessed through other programs, such as system hardening. No poles are remaining for HFTD areas for the P&amp;A Program.</p> <p>PG&amp;E is currently providing the higher data set for a comprehensive engineering analysis (which includes field inspections) where needed. This information is not yet available until the engineering analysis is complete.</p> <p>Discuss how the responses to subpart (d) above explain our process and why the requested information is not yet available.</p> <p>Please see the responses to subpart (d) above which explains our process and why the requested information is not yet available.</p> <p>Please see the responses to subpart (d) above which explains our process and why the requested information is not yet available.</p> <p>Please see the responses to subpart (d) above which explains our process and why the requested information is not yet available.</p> <p>Please see the responses to subpart (d) above which explains our process and why the requested information is not yet available.</p> <p>Please see the responses to subpart (d) above which explains our process and why the requested information is not yet available.</p> <p>Please see the responses to subpart (d) above which explains our process and why the requested information is not yet available.</p> <p>Please see the responses to subpart (d) above which explains our process and why the requested information is not yet available.</p> <p>Please see the responses to subpart (d) above which explains our process and why the requested information is not yet available.</p> <p>Please see the responses to subpart (d) above which explains our process and why the requested information is not yet available.</p>	<p>Harry Dewar</p> <p>5/30/2024</p> <p>6/10/2024</p> <p>6/10/2024</p> <p><a href="https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-015">https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-015</a></p>	1	NA	8	Section 8.1.3 - Asset Inspection	8.1.3.2.4 LAR Based Pole Loading Assessments	
859	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	16	CPUC - SPD (Safety Policy Division)_016_016	<p>CONFIDENTIAL - Provide the data in excel format used to create the chart in slide 2, 3, 6, 8 of the presentation to the Wildfire Risk Mitigation Consortium presented on October 10, 2023 titled "SPD as WMP-Discovery2023_DR_SPD_014-001(A&amp;B)&amp;C(CONF)".</p>	<p>Please see attachment "WMP-Discovery2023-2025_DR_SPD_014-001(A&amp;B)&amp;C.docx" for the requested information.</p>	<p>Harry Dewar</p> <p>5/30/2024</p> <p>6/10/2024</p> <p>6/10/2024</p> <p><a href="https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-016">https://www.pge.com/Forms/Feedback/Feedback.aspx?FeedbackID=2024-016-016</a></p>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-09 Decreases in Damaged Distribution Insulators	

660	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	17	CPUC - SPD (Safety Policy Division)_017	016	CPUC - SPD (Safety Policy Division)_017	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-29 Decrease in Deleted Disturbances
661	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017	1	CPUC - SPD (Safety Policy Division)_017	017	CPUC - SPD (Safety Policy Division)_017	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-29 Decrease in Deleted Disturbances
662	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017	2	CPUC - SPD (Safety Policy Division)_017	017	CPUC - SPD (Safety Policy Division)_017	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-29 Decrease in Deleted Disturbances
663	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017	3	CPUC - SPD (Safety Policy Division)_017	017	CPUC - SPD (Safety Policy Division)_017	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-29 Decrease in Deleted Disturbances
664	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017	4	CPUC - SPD (Safety Policy Division)_017	017	CPUC - SPD (Safety Policy Division)_017	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-29 Decrease in Deleted Disturbances
665	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017	5	CPUC - SPD (Safety Policy Division)_017	017	CPUC - SPD (Safety Policy Division)_017	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-29 Decrease in Deleted Disturbances
666	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017	6	CPUC - SPD (Safety Policy Division)_017	017	CPUC - SPD (Safety Policy Division)_017	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-29 Decrease in Deleted Disturbances
667	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017	7	CPUC - SPD (Safety Policy Division)_017	017	CPUC - SPD (Safety Policy Division)_017	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-29 Decrease in Deleted Disturbances
668	CaPA	Sat WMP-49	CaPA_Sat WMP-49	1	CaPA_Sat WMP-49	01	CaPA_Sat WMP-49	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-29 Decrease in Deleted Disturbances
669	OEIS	023	OEIS_023	1	OEIS_023_01	01	OEIS_023_01	0	NA	8	Section 8.1.3 - Asset Inspection	Section 8.1.3 - Asset Inspection
670	OEIS	023	OEIS_023	2	OEIS_023_02	02	OEIS_023_02	0	NA	8	Section 8.1.3 - Asset Inspection	Section 8.1.3 - Asset Inspection
671	CaPA	Sat WMP-50	CaPA_Sat WMP-50	1	CaPA_Sat WMP-50	01	CaPA_Sat WMP-50	0	NA	8.1.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
672	CaPA	Sat WMP-50	CaPA_Sat WMP-50	2	CaPA_Sat WMP-50	02	CaPA_Sat WMP-50	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-29 Decrease in Deleted Disturbances
673	CaPA	Sat WMP-50	CaPA_Sat WMP-50	3	CaPA_Sat WMP-50	03	CaPA_Sat WMP-50	2	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-29 Decrease in Deleted Disturbances
674	CaPA	Sat WMP-50	CaPA_Sat WMP-50	3(a)	CaPA_Sat WMP-50	03(a)	CaPA_Sat WMP-50	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-29 Decrease in Deleted Disturbances
675	CaPA	Sat WMP-50	CaPA_Sat WMP-50	4	CaPA_Sat WMP-50	04	CaPA_Sat WMP-50	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-29 Decrease in Deleted Disturbances
676	CaPA	Sat WMP-50	CaPA_Sat WMP-50	5	CaPA_Sat WMP-50	05	CaPA_Sat WMP-50	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-29 Decrease in Deleted Disturbances



676	CaPA	Sat WMP-00	CaPA_Sat WMP-00_06	6	CaPA_Sat WMP-00_06	<p>Provide an Excel table that lists (see notes) each sustained outage that occurred from January 1, 2023 through December 31, 2023 on any of the circuits identified in your response to Question 5 of data request CaPAAdvocates-PGE-2023WMP-04. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Circuit Name</li> <li>c) Circuit ID</li> <li>d) Was EPSS enabled on this circuit at the time of the outage? (Y/N, If No, No Lights)</li> <li>e) Outage End Day &amp; Time</li> <li>f) CISO (Court of Customers Experiencing Sustained Outages)</li> <li>g) Customer Minutes</li> <li>h) Cause</li> </ul> <p><b>Substitution Term Abbreviations:</b></p> <p>Provide an Excel table that lists (see notes) each momentary outage that occurred from January 1, 2023 through December 31, 2023 on any of the circuits identified in your response to Question 5 of data request CaPAAdvocates-PGE-2023WMP-04. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Circuit Name</li> <li>c) Circuit ID</li> <li>d) Was EPSS enabled on this circuit at the time of the outage? (Y/N, If No, No Lights)</li> <li>e) Outage End Day &amp; Time</li> <li>f) CISO (Court of Customers Experiencing Sustained Outages)</li> <li>g) Customer Minutes</li> <li>h) Cause</li> </ul>	<p>Please see "WMP-Discovery2023-2025_OR_CaPAAdvocates_056-Q008A801.xlsx" for the requested information. Please note, column W indicates if the outage was sustained or momentary.</p>	Amara Asadi	6/24/2024	7/30/2024	7/30/2024	<a href="https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx">https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-06 Evaluation and Reporting of Safety Impacts Relating to EPSS
677	CaPA	Sat WMP-00	CaPA_Sat WMP-00_07	7	CaPA_Sat WMP-00_07	<p>Provide an Excel table that lists (see notes) each sustained outage that occurred from January 1, 2023 through December 31, 2023 on any of the circuits identified in your response to Question 5 of data request CaPAAdvocates-PGE-2023WMP-04. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Circuit Name</li> <li>c) Circuit ID</li> <li>d) Was EPSS enabled on this circuit at the time of the outage? (Y/N, If No, No Lights)</li> <li>e) Outage End Day &amp; Time</li> <li>f) CISO (Court of Customers Experiencing Sustained Outages)</li> <li>g) Customer Minutes</li> <li>h) Cause</li> </ul> <p><b>Substitution Term Abbreviations:</b></p> <p>Provide an Excel table that lists (see notes) each momentary outage that occurred from January 1, 2023 through December 31, 2023 on any of the circuits identified in your response to Question 5 of data request CaPAAdvocates-PGE-2023WMP-04. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Circuit Name</li> <li>c) Circuit ID</li> <li>d) Was EPSS enabled on this circuit at the time of the outage? (Y/N, If No, No Lights)</li> <li>e) Outage End Day &amp; Time</li> <li>f) CISO (Court of Customers Experiencing Sustained Outages)</li> <li>g) Customer Minutes</li> <li>h) Cause</li> </ul>	<p>Please see "WMP-Discovery2023-2025_OR_CaPAAdvocates_056-Q008A801.xlsx" for the requested information. Please note, column W indicates if the outage was sustained or momentary.</p>	Amara Asadi	6/24/2024	7/30/2024	7/30/2024	<a href="https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx">https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-06 Evaluation and Reporting of Safety Impacts Relating to EPSS
678	CaPA	Sat WMP-00	CaPA_Sat WMP-00_08	8	CaPA_Sat WMP-00_08	<p>Provide an Excel table that lists (see notes) each sustained outage that occurred from January 1, 2023 through December 31, 2023 on any of the circuits identified in your response to Question 5 of data request CaPAAdvocates-PGE-2023WMP-04. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Circuit Name</li> <li>c) Circuit ID</li> <li>d) Was EPSS enabled on this circuit at the time of the outage? (Y/N, If No, No Lights)</li> <li>e) Outage End Day &amp; Time</li> <li>f) CISO (Court of Customers Experiencing Sustained Outages)</li> <li>g) Customer Minutes</li> <li>h) Cause</li> </ul> <p><b>Substitution Term Abbreviations:</b></p> <p>Provide an Excel table that lists (see notes) each momentary outage that occurred from January 1, 2023 through December 31, 2023 on any of the circuits identified in your response to Question 5 of data request CaPAAdvocates-PGE-2023WMP-04. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Circuit Name</li> <li>c) Circuit ID</li> <li>d) Was EPSS enabled on this circuit at the time of the outage? (Y/N, If No, No Lights)</li> <li>e) Outage End Day &amp; Time</li> <li>f) CISO (Court of Customers Experiencing Sustained Outages)</li> <li>g) Customer Minutes</li> <li>h) Cause</li> </ul>	<p>Please see "WMP-Discovery2023-2025_OR_CaPAAdvocates_056-Q008A801.xlsx" for the requested information. Please note, column W indicates if the outage was sustained or momentary.</p>	Amara Asadi	6/24/2024	7/30/2024	7/30/2024	<a href="https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx">https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-06 Evaluation and Reporting of Safety Impacts Relating to EPSS
679	CaPA	Sat WMP-00	CaPA_Sat WMP-00_09	9	CaPA_Sat WMP-00_09	<p>Provide an Excel table that lists (see notes) each momentary outage that occurred from January 1, 2023 through December 31, 2023 on any of the circuits identified in your response to Question 5 of data request CaPAAdvocates-PGE-2023WMP-04. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Circuit Name</li> <li>c) Circuit ID</li> <li>d) Was EPSS enabled on this circuit at the time of the outage? (Y/N, If No, No Lights)</li> <li>e) Outage End Day &amp; Time</li> <li>f) CISO (Court of Customers Experiencing Sustained Outages)</li> <li>g) Customer Minutes</li> <li>h) Cause</li> </ul> <p><b>Substitution Term Abbreviations:</b></p> <p>Provide an Excel table that lists (see notes) each sustained outage that occurred from January 1, 2023 through December 31, 2023 on any of the circuits identified in your response to Question 5 of data request CaPAAdvocates-PGE-2023WMP-04. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Circuit Name</li> <li>c) Circuit ID</li> <li>d) Was EPSS enabled on this circuit at the time of the outage? (Y/N, If No, No Lights)</li> <li>e) Outage End Day &amp; Time</li> <li>f) CISO (Court of Customers Experiencing Sustained Outages)</li> <li>g) Customer Minutes</li> <li>h) Cause</li> </ul>	<p>Please see "WMP-Discovery2023-2025_OR_CaPAAdvocates_056-Q008A801.xlsx" for the requested information. Please note, column W indicates if the outage was sustained or momentary.</p>	Amara Asadi	6/24/2024	7/30/2024	7/30/2024	<a href="https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx">https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-06 Evaluation and Reporting of Safety Impacts Relating to EPSS
680	CaPA	Sat WMP-00	CaPA_Sat WMP-00_10	10	CaPA_Sat WMP-00_10	<p>Provide an Excel spreadsheet of the following distribution circuits (see notes): SCE REFUGIO 1101, SCE VEGAS 1101, SCE TEJON TR 1101, SCE TENDONER 1101, SCE METABLAND 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, YARONA 1102, NAPA 1110, PUEBLO 2104, BIG TREES 0402, LOS OSITOS 2101, LAS POSTAS 2103, LAS ARIZAS 0401, ORINDA 0401, SPENCE 1101. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Circuit Name</li> <li>c) Circuit ID</li> <li>d) Description - Leo Padilla Director</li> <li>e) Date PG&amp;E first achieved EPSS settings on any part of the circuit</li> <li>f) Total Customers</li> <li>g) Number of CPDs contained on the circuit</li> <li>h) Circuit SAIDI for 2017</li> <li>i) Circuit SAIDI for 2018</li> <li>j) Circuit SAIFI for 2017</li> <li>k) Circuit SAIFI for 2018</li> <li>l) Circuit SAIFI for 2019</li> <li>m) Circuit SAIFI for 2020</li> <li>n) Circuit SAIFI for 2021</li> <li>o) Circuit SAIFI for 2022</li> <li>p) Circuit SAIFI for 2023</li> </ul> <p><b>Substitution Term Abbreviations:</b></p> <p>Provide an Excel spreadsheet of the following distribution circuits (see notes): SCE REFUGIO 1101, SCE VEGAS 1101, SCE TEJON TR 1101, SCE TENDONER 1101, SCE METABLAND 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, YARONA 1102, NAPA 1110, PUEBLO 2104, BIG TREES 0402, LOS OSITOS 2101, LAS POSTAS 2103, LAS ARIZAS 0401, ORINDA 0401, SPENCE 1101. Includes the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Description - Leo Padilla Director</li> <li>c) Date PG&amp;E first achieved EPSS settings on any part of the circuit</li> <li>d) Total Customers</li> <li>e) Number of CPDs contained on the circuit</li> <li>f) Circuit SAIDI for 2017</li> <li>g) Circuit SAIDI for 2018</li> <li>h) Circuit SAIFI for 2017</li> <li>i) Circuit SAIFI for 2018</li> <li>j) Circuit SAIFI for 2019</li> <li>k) Circuit SAIFI for 2020</li> <li>l) Circuit SAIFI for 2021</li> <li>m) Circuit SAIFI for 2022</li> <li>n) Circuit SAIFI for 2023</li> </ul>	<p>Please see "WMP-Discovery2023-2025_OR_CaPAAdvocates_056-Q008A801.xlsx" for the requested information.</p> <p>In addition to the circuits included in the attachment, please see the table below for Circuit ID's for the Circuits which did not have outages and were not provided in the attachment.</p> <p>Circuit Name Circuit ID SCE VEGAS 1101 05887001 SCE Tejon TR 1101 25819101 SCE METABLAND 1101 25811001 Pueblo 2104 04202104</p>	Amara Asadi	6/24/2024	7/30/2024	7/30/2024	<a href="https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx">https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-06 Evaluation and Reporting of Safety Impacts Relating to EPSS
681	CaPA	Sat WMP-01	CaPA_Sat WMP-01_01	1	CaPA_Sat WMP-01_01	<p>Provide an Excel spreadsheet of the following distribution circuits (see notes): SCE REFUGIO 1101, SCE VEGAS 1101, SCE TEJON TR 1101, SCE TENDONER 1101, SCE METABLAND 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, YARONA 1102, NAPA 1110, PUEBLO 2104, BIG TREES 0402, LOS OSITOS 2101, LAS POSTAS 2103, LAS ARIZAS 0401, ORINDA 0401, SPENCE 1101. Includes the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Description - Leo Padilla Director</li> <li>c) Date PG&amp;E first achieved EPSS settings on any part of the circuit</li> <li>d) Total Customers</li> <li>e) Number of CPDs contained on the circuit</li> <li>f) Circuit SAIDI for 2017</li> <li>g) Circuit SAIDI for 2018</li> <li>h) Circuit SAIFI for 2017</li> <li>i) Circuit SAIFI for 2018</li> <li>j) Circuit SAIFI for 2019</li> <li>k) Circuit SAIFI for 2020</li> <li>l) Circuit SAIFI for 2021</li> <li>m) Circuit SAIFI for 2022</li> <li>n) Circuit SAIFI for 2023</li> </ul> <p><b>Substitution Term Abbreviations:</b></p> <p>Provide an Excel spreadsheet of the following distribution circuits (see notes): SCE REFUGIO 1101, SCE VEGAS 1101, SCE TEJON TR 1101, SCE TENDONER 1101, SCE METABLAND 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, YARONA 1102, NAPA 1110, PUEBLO 2104, BIG TREES 0402, LOS OSITOS 2101, LAS POSTAS 2103, LAS ARIZAS 0401, ORINDA 0401, SPENCE 1101. Includes the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Description - Leo Padilla Director</li> <li>c) Date PG&amp;E first achieved EPSS settings on any part of the circuit</li> <li>d) Total Customers</li> <li>e) Number of CPDs contained on the circuit</li> <li>f) Circuit SAIDI for 2017</li> <li>g) Circuit SAIDI for 2018</li> <li>h) Circuit SAIFI for 2017</li> <li>i) Circuit SAIFI for 2018</li> <li>j) Circuit SAIFI for 2019</li> <li>k) Circuit SAIFI for 2020</li> <li>l) Circuit SAIFI for 2021</li> <li>m) Circuit SAIFI for 2022</li> <li>n) Circuit SAIFI for 2023</li> </ul>	<p>As described in our WMP Section 8.1.2.3, PG&amp;E's underground work plan involves several project activities such as change orders, project dependencies, such as permitting and equipment delays. Further, the work plan involved to account for the 2023 GRC Disruptions. Below are detailed the changes specifically made between when the two work plans were submitted between April 5 and July 5.</p> <p>a) The July 5 table incorporates miles from Genesee Community Mutual projects. These projects were inadvertently missing from all versions of the summary table prior to the July 5 version.</p> <p>b) This change was driven by seven projects shifting schedules from 2024 to 2025 and vice versa from 2024 to 2025.</p> <p>c) As with relevant to the July 5 table incorporates miles from Dramatic Community Mutual projects. These projects were inadvertently missing from all versions of the summary table prior to the July 5 version.</p> <p>d) This change was driven by two projects shifting schedules from 2024 to 2025.</p> <p>e) This change was driven by one project shifting schedule from 2024 to 2025.</p> <p>f) The change was driven by the need to update the need to align the schedule to the 2023-2026 GRC mileage targets. These changes include removing existing projects and adding new projects to the GRC risk reduction targets.</p> <p>g) This change was driven by Rate Based project schedule changes between 2024 and 2025 (one project moved from 2024 to 2025, another from 2025 to 2024).</p> <p>h) This change was driven by a net impact of increased miles in 2024 and reduced miles in 2025-2026.</p> <p>i) This change was driven by the same project described in subpart (f), plus one project being removed from the work plan.</p> <p>j) One new risk project from the April 5 table has been removed from the July 5 table, but 10 miles from that project were added. OR 10 miles added. 11 miles are in the Top 20% Risk category and will be moved accordingly once risk reduction calculations have been completed in our system of record for the associated projects.</p> <p>k) This change was driven by the same project described in subpart (a), as well as a single new project that was missing from both dates at the time of the July 5 report revision. This will be updated in our system of record and will be included in future versions of the table.</p>	Holly Warman	7/30/2024	7/30/2024	7/30/2024	<a href="https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx">https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx</a>	0	NA	8	Section 8.1.2 - Grid Design and System Hardening	8.1.2.11.2 Other grid topology improvements to mitigate or reduce PSPS events - Distribution
682	CPUC - SPD (Safety Policy Division)	018	CPUC - SPD (Safety Policy Division)_018_01	1	CPUC - SPD (Safety Policy Division)_018_01	<p>Submit the 2024 Q2 GDR Confidential and Non-Confidential versions (including both spatial and non-spatial) via Networks to PGE's Website and Safety Performance Section.</p> <p>Please send the requested 2024 Q2 GDR Spatial and Non-Spatial files attached to this response:</p> <ul style="list-style-type: none"> <li>- GDRS Cover letter Q2 2024 Submission.pdf</li> <li>- PG&amp;E_2024_Q2_Table1-15_R0.xlsx</li> <li>- PG&amp;E_2024_Q2_SpatialConfidentialReport.xlsx</li> <li>- PG&amp;E_2024_Q2_CONF.zip</li> <li>- PG&amp;E_2024_Q2_RiskEventPhotos_Vignettes_CONF.zip</li> <li>- PG&amp;E_2024_Q2_InvasivePhotoLog_AssessInspections_CONF_1.zip</li> <li>- PG&amp;E_2024_Q2_InvasivePhotoLog_AssessInspections_CONF_2.zip</li> <li>- PG&amp;E_2024_Q2_InvasivePhotoLog_AssessInspections_CONF_3.zip</li> <li>- PG&amp;E_2024_Q2_InvasivePhotoLog_AssessInspections_CONF_4.zip</li> </ul> <p>Please see attachment "WMP-Discovery2023-2025_OR_CaPAAdvocates_056-Q008A801.xlsx" for the requested information.</p> <p>The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, reviewed on August 2, 2024, which reports sustained circuit-mile outages in the spatial and non-spatial versions of the report. The following data request seeks information for ALL open work orders in your territory, not only open work orders in High Fire Threat Districts.</p> <p>Please add the following information to each row of Table 13 in separate columns:</p> <ul style="list-style-type: none"> <li>a) Name of the associated circuit</li> <li>b) ID number of the associated circuit</li> <li>c) Geographic latitude in decimal degrees, truncated to seven decimal places</li> <li>d) Geographic longitude in decimal degrees, truncated to seven decimal places</li> <li>e) Priority of the original notification, using PG&amp;E's internal priority level codes</li> <li>f) PG&amp;E's internal priority level codes</li> <li>g) Process origin risk (Y/N)</li> <li>h) General Order ID Exception Granted (Y/N)</li> <li>i) Circuit Segment Identification Number</li> <li>j) Date Due as of July 31, 2024 (Y/N)</li> </ul>	<p>Henry Swain</p>	8/20/2024	8/20/2024	8/20/2024	<a href="https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx">https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx</a>	9	NA	NA	QDR	NA	
683	CaPA	Sat WMP-02	CaPA_Sat WMP-02_01	1	CaPA_Sat WMP-02_01	<p>The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, reviewed on August 2, 2024, which reports sustained circuit-mile outages in the spatial and non-spatial versions of the report. The following data request seeks information for ALL open work orders in your territory, not only open work orders in High Fire Threat Districts.</p> <p>Please add the following information to each row of Table 13 in separate columns:</p> <ul style="list-style-type: none"> <li>a) Name of the associated circuit</li> <li>b) ID number of the associated circuit</li> <li>c) Geographic latitude in decimal degrees, truncated to seven decimal places</li> <li>d) Geographic longitude in decimal degrees, truncated to seven decimal places</li> <li>e) Priority of the original notification, using PG&amp;E's internal priority level codes</li> <li>f) PG&amp;E's internal priority level codes</li> <li>g) Process origin risk (Y/N)</li> <li>h) General Order ID Exception Granted (Y/N)</li> <li>i) Circuit Segment Identification Number</li> <li>j) Date Due as of July 31, 2024 (Y/N)</li> </ul>	<p>Consider the data pose an ignition-risk (responsive to subject oil within HFTD or PG&amp;E High Risk Area (HRA)) as evaluated using a combination of adjacent fire codes and individual review during gatekeeping by the coordinated inspection team. Items that are identified as ignition-risk (responsive to subject oil within HFTD or PG&amp;E High Risk Area (HRA)) as evaluated using a combination of adjacent fire codes can contain both ignition and non-ignition risk conditions and non-HFTD non-HRA notifications are not specifically reviewed during gatekeeping (i) in the attached database provides the correct priority using PG&amp;E's internal priority level codes.</p> <p>Consider the data pose an ignition-risk (responsive to subject oil within HFTD or PG&amp;E High Risk Area (HRA)) as evaluated using a combination of adjacent fire codes and individual review during gatekeeping by the coordinated inspection team. Items that are identified as ignition-risk (responsive to subject oil within HFTD or PG&amp;E High Risk Area (HRA)) as evaluated using a combination of adjacent fire codes can contain both ignition and non-ignition risk conditions and non-HFTD non-HRA notifications are not specifically reviewed during gatekeeping (i) in the attached database provides the correct priority using PG&amp;E's internal priority level codes.</p> <p>PG&amp;E has not requested from the Commission or been provided formal exceptions for maintenance high under General Order (GD) 05, Rule 18, Chapter PG&amp;E has repeatedly identified maintenance issues that have been identified under maintenance including those identified under GD 05, Rule 18, which have been noted in Column 2 (responsive to subject risk).</p> <p>** Notifications are not associated with circuit segments. The Functional Location has been provided for the Circuit Segment Identification Number, located in Column V of the attachment.</p>	Berjentin Katsberg	8/19/2024	9/8/2024	9/8/2024	<a href="https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx">https://www.pge.com/Assets/Reports/Outage-Reports/2023-2025-OR-CaPAAdvocates_056-Q008A801.xlsx</a>	1	NA	QDR	NA	







713	CAIPA	Sat WMP-03	CaPA_Sat WMP-03	5	CaPA_Sat WMP-03_05	<p>In response to Confidentiality POE 2023 WMP-03, DR_CalAdvocates requested an overview of WORM v4. PG&amp;E answered that the E3 review is scheduled to be available by the end of Q2 2024.</p> <p>If the E3 independent review of the WORM v4 is completed, please provide a copy of any reports and outputs.</p> <p>If the E3 independent review has not concluded, when does PG&amp;E expect the review to be completed?</p>	<p>Please see attachment "WMP-Discovery2023-2023_DR_CalAdvocates_032-0005AH1CONF.pdf" for the requested E3 Review of PG&amp;E WORM v4 and Transmission Composite Model (TCM).</p> <p>If not applicable, please see the response to subject (a) above.</p>	Matthew Taw	5/8/2024	10/2/2024	9/27/2024	<a href="https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review">https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review</a>	1	NA	6.1.2	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
714	CAIPA	Sat WMP-03	CaPA_Sat WMP-03	6	CaPA_Sat WMP-03_06	<p>In response to Confidentiality POE 2023 WMP-03, Question 5, whether PG&amp;E has created a detailed overview document that details WORM v4. PG&amp;E answered that "PG&amp;E is currently creating the detailed overview documentation for the WORM v4. It is scheduled to be available by the end of Q2 2024."</p> <p>If the detailed overview document has been completed, please provide a copy, including any supporting information.</p> <p>If the detailed overview document has not been completed, when does PG&amp;E expect the document to be completed?</p>	<p>a) Please see attachment "WMP-Discovery2023-2023_DR_CalAdvocates_032-0005AH1CONF.pdf" for the requested E3 Review of PG&amp;E WORM v4 and Transmission Composite Model (TCM).</p> <p>If not applicable, please see the response to subject (a) above.</p>	Matthew Taw	5/8/2024	10/2/2024	9/27/2024	<a href="https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review">https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review</a>	1	NA	6.1.2	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
715	CPUC - SPO (Safety Policy Division)	022	CPUC - SPO (Safety Policy Division)_022_01	1	CPUC - SPO (Safety Policy Division)_022_01	<p>2) We looked at QDR metrics 13.9 on Q1 and Q2 (metric name = Level 2 Findings Fixed) to see if we could compare the number of Level 2 findings fixed with the number of findings fixed reported in PG&amp;E in the last meeting. We also compared to QDR reported in the meeting. We wanted to double check why the numbers are not the same. I attached my spreadsheet so your team can see exactly what I did.</p>	<p>PG&amp;E believes there may have been a misunderstanding regarding the Level 2 Findings documented during the meeting on September 2, 2024. During the September 12 meeting with SPO, PG&amp;E reported the year-to-date Safety and Compliance Metrics (SCM) as of June 2024 for Level 2 findings were 676 on total. PG&amp;E did not report on the number of logs completed.</p> <p>An effort to compare the QDR with the Quarterly Data Report (QDR). SCM measure the progress of Level 2 and Tier 3 FTD Level 2 logs by their maximum allowable treatment per QDR compared to QDR. Above are the total number of logs completed each quarter regardless of their compliance due dates. Furthermore, SCM includes vegetation management logs whereas the QDR does not and the QDR also includes non-FTD logs.</p> <p>PG&amp;E would be happy to further discuss or clarify this item at future meetings. If a draft is helpful.</p> <p>PG&amp;E completed a cleanup and disposal of wood and slash at the Sheddock Road location as of September 25, 2024. Please see the before and after photos.</p>	Henry Swast	5/8/2024	10/1/2024	10/2/2024	<a href="https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review">https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review</a>	0	QDR	NA	NA	NA
716	OEIS	025	OEIS_025_01	1	OEIS_025_01	<p>Specific to WMP ID VP_BC125-006_1674177_2020, please confirm the following:</p> <p>a) Confirm if the GPS point 37.5606607806076_130.0003227372747 is the location of the log and slash for the requested WMP ID</p> <p>b) Confirm if the log and slash in the attached photographs matches the tree in location (Please address any tree height with 24-inch dbh off Sheddock Road, Mariposa, CA)</p> <p>c) If it is not the same tree, please supply photographs of the tree in view stamp and slash.</p>	<p>1) Responding "WMP-Discovery2023-2023_DR_OEIS_025-0001AH01.pdf" and 2) PG&amp;E performed a field visit to the coordinates listed above on September 23, 2024, and confirms that the log and slash in PG&amp;E confirms the original description for the wood in question was located at the following coordinates: 37.5606607806076_130.0003227372747.</p> <p>Please note, a clean-up was facilitated at this location and the wood and slash have been removed.</p> <p>Yes, the log and slash photographs provided by Energy Safety in this request match the tree in question.</p> <p>A tree was removed and slash was disposed at Sheddock Road as of September 25, 2024. Please see the before and after photos.</p> <p>PG&amp;E completed a cleanup and disposal of wood and slash at the Sheddock Road location as of September 25, 2024. Please see the before and after photos.</p> <p>PG&amp;E completed a cleanup and disposal of wood and slash at the Sheddock Road location as of September 25, 2024. Please see the before and after photos.</p> <p>PG&amp;E completed a cleanup and disposal of wood and slash at the Sheddock Road location as of September 25, 2024. Please see the before and after photos.</p> <p>PG&amp;E completed a cleanup and disposal of wood and slash at the Sheddock Road location as of September 25, 2024. Please see the before and after photos.</p> <p>PG&amp;E completed a cleanup and disposal of wood and slash at the Sheddock Road location as of September 25, 2024. Please see the before and after photos.</p>	Renee Ibarra	5/7/2024	9/27/2024	9/27/2024	<a href="https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review">https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review</a>	2	NA	QDR	NA	NA
717	OEIS	025	OEIS_025_02	2	OEIS_025_02	<p>Please provide a copy of each WMP-related document, submission, or report you submit to your WMP. Provide the copy of all documents where you submit data to the document to submit to Energy Safety. If you have submitted the document to Energy Safety in 2023 provide the copy of all documents where you submit data to the document to submit to Energy Safety. If you have submitted the document to Energy Safety in 2023 provide the copy of all documents where you submit data to the document to submit to Energy Safety.</p> <p>a) Confirm if the GPS point 37.5606607806076_130.0003227372747 is the location of the log and slash for the requested WMP ID.</p> <p>b) Confirm if the log and slash in the attached photographs matches the tree in question on Coal Creek Lane, Mariposa, CA.</p> <p>c) If it is not the same tree, please supply photographs of the tree in view stamp, chips, and slash.</p>	<p>1) Responding "WMP-Discovery2023-2023_DR_OEIS_025-0002AH01.pdf" and 2) PG&amp;E performed a field visit to the coordinates listed above on September 23, 2024, and confirms that the log and slash for WMP ID VP_BC125-006_1674177_2020 are located at these coordinates: 37.5606607806076_130.0003227372747.</p> <p>PG&amp;E completed a cleanup and disposal of wood and slash at the Sheddock Road location as of September 25, 2024. Please see the before and after photos.</p> <p>PG&amp;E completed a cleanup and disposal of wood and slash at the Sheddock Road location as of September 25, 2024. Please see the before and after photos.</p> <p>PG&amp;E completed a cleanup and disposal of wood and slash at the Sheddock Road location as of September 25, 2024. Please see the before and after photos.</p> <p>PG&amp;E completed a cleanup and disposal of wood and slash at the Sheddock Road location as of September 25, 2024. Please see the before and after photos.</p> <p>PG&amp;E completed a cleanup and disposal of wood and slash at the Sheddock Road location as of September 25, 2024. Please see the before and after photos.</p> <p>PG&amp;E completed a cleanup and disposal of wood and slash at the Sheddock Road location as of September 25, 2024. Please see the before and after photos.</p>	Renee Ibarra	5/7/2024	9/27/2024	9/27/2024	<a href="https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review">https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review</a>	14	NA	QDR	NA	NA
Pre-Discovery 01	CAIPA	Sat WMP-01	CaPA_Sat WMP-01	1	CaPA_Sat WMP-01_01	<p>This data request pertains to your 2022-2025 Wildlife 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 2022.</p> <p>Please provide a copy of each WMP-related document, submission, or report you submit to your WMP. Provide the copy of all documents where you submit data to the document to submit to Energy Safety. If you have submitted the document to Energy Safety in 2022 provide the copy of all documents where you submit data to the document to submit to Energy Safety. If you have submitted the document to Energy Safety in 2023 provide the copy of all documents where you submit data to the document to submit to Energy Safety.</p> <p>The request is made to make available information that: 1) is related to work plans, tables, maps, risk models, risk assessment (RSE) calculations, or WMP change orders, and 2) are provided to Energy Safety to provide additional details or context concerning information or submissions in your WMP and any subsequent revisions or changes affecting your WMP.</p>	<p>1) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>2) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>3) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>4) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>5) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>6) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>7) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>8) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>9) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>10) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p>	Holly Wetman	2/7/2023	2/14/2023	2/14/2023	<a href="https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review">https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review</a>	0	NA	NA	NA	NA
Pre-Discovery 02	CAIPA	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 submission to Energy Safety.</p> <p>Specifically, we are requesting the data submission as confidential to align with Energy Safety's pre-submission process and to ensure that the data submission is not made available to the public.</p>	<p>1) Responding "WMP-Discovery2023-2023_DR_CalAdvocates_001-0004AH1CONF.pdf" in our WMP pre-submission to Energy Safety. Please note that this document is not a confidential WMP submission and is not subject to confidentiality provisions.</p> <p>2) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>3) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>4) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>5) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>6) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>7) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>8) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>9) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>10) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p>	Holly Wetman	3/7/2023	2/15/2023	2/15/2023	<a href="https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review">https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review</a>	1	NA	NA	NA	NA
Pre-Discovery 03	CAIPA	Sat WMP-01	CaPA_Sat WMP-01	3	CaPA_Sat WMP-01_03	<p>Please provide a copy of all documents or files that are referred to in your WMP Quarterly Data Reports and submitted to Energy Safety (including but not limited to all PDFs, raster data files, non-raster data files, and confidential attachments) on the same business day the document is sent to Energy Safety.</p>	<p>1) Responding "WMP-Discovery2023-2023_DR_CalAdvocates_001-0004AH1CONF.pdf" in our WMP pre-submission to Energy Safety. Please note that this document is not a confidential WMP submission and is not subject to confidentiality provisions.</p> <p>2) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>3) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>4) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>5) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>6) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>7) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>8) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>9) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>10) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p>	Holly Wetman	2/7/2023	2/14/2023	2/14/2023	<a href="https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review">https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review</a>	0	NA	NA	NA	NA
Pre-Discovery 04	CAIPA	Sat WMP-01	CaPA_Sat WMP-01	4	CaPA_Sat WMP-01_04	<p>Please provide a copy of all confidential responses to WMP discovery requests, on the same business day that you send the documents to the basis of the discovery request. This includes: a) Confidential responses to WMP discovery requests submitted to Energy Safety. b) Confidential responses to WMP discovery requests submitted by third parties.</p>	<p>1) Responding "WMP-Discovery2023-2023_DR_CalAdvocates_001-0004AH1CONF.pdf" in our WMP pre-submission to Energy Safety. Please note that this document is not a confidential WMP submission and is not subject to confidentiality provisions.</p> <p>2) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>3) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>4) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>5) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>6) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>7) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>8) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>9) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>10) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p>	Holly Wetman	2/7/2023	2/14/2023	2/14/2023	<a href="https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review">https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review</a>	0	NA	NA	NA	NA
Pre-Discovery 05	CAIPA	Sat WMP-02	CaPA_Sat WMP-02	1	CaPA_Sat WMP-02_01	<p>Please identify and provide a copy of all quality assurance or quality control (QA/QC) reports conducted by internal entities that were completed since January 1, 2022 and that examined any programs, initiatives, or strategies described in your 2022 WMP Update.</p>	<p>1) Responding "WMP-Discovery2023-2023_DR_CalAdvocates_002-0001AH02CONF.pdf" and "WMP-Discovery2023-2023_DR_CalAdvocates_002-0001AH03CONF.pdf" in our WMP pre-submission to Energy Safety. Please note that these documents are not confidential WMP submissions and are not subject to confidentiality provisions.</p> <p>2) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>3) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>4) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>5) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>6) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>7) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>8) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>9) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p> <p>10) PG&amp;E understands the information requested in the request and the information requested is available to the requester or will be made available to the requester.</p>	Holly Wetman	2/7/2023	3/7/2023	3/7/2023	<a href="https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review">https://www.energy.ca.gov/info/energy-safety/energy-safety-program/energy-safety-2023-worm-review</a>	6	NA	NA	NA	NA

Pre-Discovery 05	CaPA	Sat WMP-02	CaPA_Sat WMP-02	2	CaPA_Sat WMP-02_02	Please identify and provide a copy of all quality assurance or quality control (QA/QC) reports conducted by external parties for your 2022 WMP Update. External entities include, but are not limited to, consultants, contractors, vendors, and other third parties.  Provide an Excel table of all distribution circuits existing as of January 1, 2022 (see rows) that includes the following information in separate columns: a. Circuit name b. Circuit ID number c. Total customer-minutes of de-energization on the circuit due to faststop settings in 2022. d. Number of trees that were worked on the circuit based on circuit miles. e. SAIDI(SAIFI/MAIFI) - All transmission, substation, and distribution level outages as of February 2022 were used to calculate the metric results as measured at the individual distribution circuit level and include Major Event Data (as defined in the IEEE 1366 Standard). The information used for each calculation is based on the number of customers served by each circuit based on the system configuration as of the end of 2022 and not represent the same circuit configuration at the time of each outaging outage event. f. Disruption or As previously stated in our PPSR Final Event Data Enumeration reports submitted to the CPUC. The information, times and figures referenced in this report are based on the best available information available at the time of the report's submission. The information, times and figures have no subject to revision based on further analysis and validation. As such, we note that there are some minor update revisions in the data included in this submission, as compared to the information included in our previous submissions. g. Disruption/2022_IR_CatA/CatB/CatC, 2023-Q001/NA/NTD.xlsx h. MIs of LDMR inspection in Non-PTD in 2021 i. MIs of LDMR inspection in Other-PTD in 2021 j. MIs of LDMR inspection in Other-PTD Tar 2 k. MIs of LDMR inspection in Other-PTD Tar 3 l. MIs of LDMR inspection in Other-PTD Tar 3 in 2021 m. MIs of LDMR inspection in Other-PTD Tar 3 in 2022 n. MIs of LDMR inspection in Other-PTD Tar 3 in 2021 o. MIs of LDMR inspection in Other-PTD Tar 3 in 2022 p. MIs of LDMR inspection in Other-PTD Tar 3 in 2021 q. MIs of LDMR inspection in Other-PTD Tar 3 in 2022 r. MIs of LDMR inspection in Other-PTD Tar 3 in 2021 s. MIs of LDMR inspection in Other-PTD Tar 3 in 2022	The PGE Independent Safety Monitor Status Update Report, dated October 4, 2022, discusses programs and initiatives described in your 2022 WMP Update. External entities include, but are not limited to, consultants, contractors, vendors, and other third parties.  Please see attachment "WMP-Discovery0022_IR_CatA/CatB/CatC, 2023-Q001/NA/NTD.xlsx" for a list of all affected facilities identified on December 2021 by the Office of Energy Infrastructure Safety (Energy Safety)'s Phase one focus on safety critical facilities in March 2022.  Please note the following: 1. The data provided for "Description of defect" and "Date that the defect was identified" are all based on Energy Safety's inspection reports. 2. Not all circuits with identified Energy Critical (EC) violations (or "EC tags") For example, while reviewing the tagged defects from Energy Safety, some work was addressed directly in the field (e.g., trimming of vegetation, and so on) and was not included. 3. The attachment contains confidential information.	Holly Waterman	2/7/2023	3/7/2023	3/7/2023	1	NA	NA	NA	NA
Pre-Discovery 07	CaPA	Sat WMP-02	CaPA_Sat WMP-02	3	CaPA_Sat WMP-02_03	Please provide an Excel table of all distribution circuits existing as of January 1, 2022 (see rows) that includes the following information in separate columns: a. Circuit name b. Circuit ID number c. Total customer-minutes of de-energization on the circuit due to PPSR events in 2021 (sum of customer-minutes across all PPSR events). d. Total customer-minutes of de-energization on the circuit due to PPSR events in 2022 (sum of customer-minutes across all PPSR events). e. Total customer-minutes of de-energization on the circuit due to faststop settings in 2022. f. Number of trees that were worked on the circuit based on circuit miles. g. SAIDI(SAIFI/MAIFI) - All transmission, substation, and distribution level outages as of February 2022 were used to calculate the metric results as measured at the individual distribution circuit level and include Major Event Data (as defined in the IEEE 1366 Standard). The information used for each calculation is based on the number of customers served by each circuit based on the system configuration as of the end of 2022 and not represent the same circuit configuration at the time of each outaging outage event. h. Disruption or As previously stated in our PPSR Final Event Data Enumeration reports submitted to the CPUC. The information, times and figures referenced in this report are based on the best available information available at the time of the report's submission. The information, times and figures have no subject to revision based on further analysis and validation. As such, we note that there are some minor update revisions in the data included in this submission, as compared to the information included in our previous submissions. i. Disruption/2022_IR_CatA/CatB/CatC, 2023-Q001/NA/NTD.xlsx j. MIs of LDMR inspection in Non-PTD in 2021 k. MIs of LDMR inspection in Other-PTD in 2021 l. MIs of LDMR inspection in Other-PTD Tar 2 m. MIs of LDMR inspection in Other-PTD Tar 3 n. MIs of LDMR inspection in Other-PTD Tar 3 in 2021 o. MIs of LDMR inspection in Other-PTD Tar 3 in 2022 p. MIs of LDMR inspection in Other-PTD Tar 3 in 2021 q. MIs of LDMR inspection in Other-PTD Tar 3 in 2022 r. MIs of LDMR inspection in Other-PTD Tar 3 in 2021 s. MIs of LDMR inspection in Other-PTD Tar 3 in 2022	Please see attachment "WMP-Discovery0023_IR_CatA/CatB/CatC, 2023-Q001/NA/NTD.xlsx" for a list of all affected facilities identified on December 2021 by the Office of Energy Infrastructure Safety (Energy Safety)'s Phase one focus on safety critical facilities in March 2022.  Please note the following: 1. The data provided for "Description of defect" and "Date that the defect was identified" are all based on Energy Safety's inspection reports. 2. Not all circuits with identified Energy Critical (EC) violations (or "EC tags") For example, while reviewing the tagged defects from Energy Safety, some work was addressed directly in the field (e.g., trimming of vegetation, and so on) and was not included. 3. The attachment contains confidential information.	Holly Waterman	2/7/2023	2/22/2023	2/22/2023	1	NA	8.1.3	Asset Inspections	NA
Pre-Discovery 08	CaPA	Sat WMP-03	CaPA_Sat WMP-03	1	CaPA_Sat WMP-03_01	Please provide an Excel table of all distribution circuits existing as of January 1, 2022 (see rows) that includes the following information in separate columns: a. Circuit name b. Circuit ID number c. Total customer-minutes of de-energization on the circuit due to PPSR events in 2021 (sum of customer-minutes across all PPSR events). d. Total customer-minutes of de-energization on the circuit due to PPSR events in 2022 (sum of customer-minutes across all PPSR events). e. Total customer-minutes of de-energization on the circuit due to faststop settings in 2022. f. Number of trees that were worked on the circuit based on circuit miles. g. SAIDI(SAIFI/MAIFI) - All transmission, substation, and distribution level outages as of February 2022 were used to calculate the metric results as measured at the individual distribution circuit level and include Major Event Data (as defined in the IEEE 1366 Standard). The information used for each calculation is based on the number of customers served by each circuit based on the system configuration as of the end of 2022 and not represent the same circuit configuration at the time of each outaging outage event. h. Disruption or As previously stated in our PPSR Final Event Data Enumeration reports submitted to the CPUC. The information, times and figures referenced in this report are based on the best available information available at the time of the report's submission. The information, times and figures have no subject to revision based on further analysis and validation. As such, we note that there are some minor update revisions in the data included in this submission, as compared to the information included in our previous submissions. i. Disruption/2022_IR_CatA/CatB/CatC, 2023-Q001/NA/NTD.xlsx j. MIs of LDMR inspection in Non-PTD in 2021 k. MIs of LDMR inspection in Other-PTD in 2021 l. MIs of LDMR inspection in Other-PTD Tar 2 m. MIs of LDMR inspection in Other-PTD Tar 3 n. MIs of LDMR inspection in Other-PTD Tar 3 in 2021 o. MIs of LDMR inspection in Other-PTD Tar 3 in 2022 p. MIs of LDMR inspection in Other-PTD Tar 3 in 2021 q. MIs of LDMR inspection in Other-PTD Tar 3 in 2022 r. MIs of LDMR inspection in Other-PTD Tar 3 in 2021 s. MIs of LDMR inspection in Other-PTD Tar 3 in 2022	Please see attachment "WMP-Discovery0023_IR_CatA/CatB/CatC, 2023-Q001/NA/NTD.xlsx" for a list of all affected facilities identified on December 2021 by the Office of Energy Infrastructure Safety (Energy Safety)'s Phase one focus on safety critical facilities in March 2022.  Please note the following: 1. The data provided for "Description of defect" and "Date that the defect was identified" are all based on Energy Safety's inspection reports. 2. Not all circuits with identified Energy Critical (EC) violations (or "EC tags") For example, while reviewing the tagged defects from Energy Safety, some work was addressed directly in the field (e.g., trimming of vegetation, and so on) and was not included. 3. The attachment contains confidential information.	Holly Waterman	2/7/2023	3/10/2023	3/10/2023	2	NA	8.1.3	Asset Inspections	Distribution
Pre-Discovery 09	CaPA	Sat WMP-03	CaPA_Sat WMP-03	2	CaPA_Sat WMP-03_02	Please provide an Excel table of all distribution circuits existing as of January 1, 2022 (see rows) that includes the following information in separate columns: a. Circuit name b. Circuit ID number c. Total customer-minutes of de-energization on the circuit due to PPSR events in 2021 (sum of customer-minutes across all PPSR events). d. Total customer-minutes of de-energization on the circuit due to PPSR events in 2022 (sum of customer-minutes across all PPSR events). e. Total customer-minutes of de-energization on the circuit due to faststop settings in 2022. f. Number of trees that were worked on the circuit based on circuit miles. g. SAIDI(SAIFI/MAIFI) - All transmission, substation, and distribution level outages as of February 2022 were used to calculate the metric results as measured at the individual distribution circuit level and include Major Event Data (as defined in the IEEE 1366 Standard). The information used for each calculation is based on the number of customers served by each circuit based on the system configuration as of the end of 2022 and not represent the same circuit configuration at the time of each outaging outage event. h. Disruption or As previously stated in our PPSR Final Event Data Enumeration reports submitted to the CPUC. The information, times and figures referenced in this report are based on the best available information available at the time of the report's submission. The information, times and figures have no subject to revision based on further analysis and validation. As such, we note that there are some minor update revisions in the data included in this submission, as compared to the information included in our previous submissions. i. Disruption/2022_IR_CatA/CatB/CatC, 2023-Q001/NA/NTD.xlsx j. MIs of LDMR inspection in Non-PTD in 2021 k. MIs of LDMR inspection in Other-PTD in 2021 l. MIs of LDMR inspection in Other-PTD Tar 2 m. MIs of LDMR inspection in Other-PTD Tar 3 n. MIs of LDMR inspection in Other-PTD Tar 3 in 2021 o. MIs of LDMR inspection in Other-PTD Tar 3 in 2022 p. MIs of LDMR inspection in Other-PTD Tar 3 in 2021 q. MIs of LDMR inspection in Other-PTD Tar 3 in 2022 r. MIs of LDMR inspection in Other-PTD Tar 3 in 2021 s. MIs of LDMR inspection in Other-PTD Tar 3 in 2022	Please see attachment "WMP-Discovery0023_IR_CatA/CatB/CatC, 2023-Q001/NA/NTD.xlsx" for a list of all affected facilities identified on December 2021 by the Office of Energy Infrastructure Safety (Energy Safety)'s Phase one focus on safety critical facilities in March 2022.  Please note the following: 1. The data provided for "Description of defect" and "Date that the defect was identified" are all based on Energy Safety's inspection reports. 2. Not all circuits with identified Energy Critical (EC) violations (or "EC tags") For example, while reviewing the tagged defects from Energy Safety, some work was addressed directly in the field (e.g., trimming of vegetation, and so on) and was not included. 3. The attachment contains confidential information.	Holly Waterman	2/7/2023	3/10/2023	3/10/2023	0	NA	8.1.3	Asset Inspections	Transmission
Pre-Discovery 10	CaPA	Sat WMP-03	CaPA_Sat WMP-03	3	CaPA_Sat WMP-03_03	Please provide an Excel table of all distribution circuits existing as of January 1, 2022 (see rows) that were removed or decommissioned in 2022, either partially or entirely. This includes permanent removal, removal of overhead lines that were removed underground, or overhead lines that were decommissioned but not physically removed. Include the following information in separate columns: a. Circuit name b. Circuit ID number c. Reason for removal or decommissioning in Non-PTD Areas d. Reason for removal or decommissioning in Other-PTD Areas e. Reason for removal or decommissioning in Other-PTD Tar 2 f. Reason for removal or decommissioning in Other-PTD Tar 3 g. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 h. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 i. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 j. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 k. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 l. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 m. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 n. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 o. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 p. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 q. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 r. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 s. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 t. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 u. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 v. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 w. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 x. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 y. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 z. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022	Please see attachment "WMP-Discovery0023_IR_CatA/CatB/CatC, 2023-Q001/NA/NTD.xlsx" for a list of all affected facilities identified on December 2021 by the Office of Energy Infrastructure Safety (Energy Safety)'s Phase one focus on safety critical facilities in March 2022.  Please note the following: 1. The data provided for "Description of defect" and "Date that the defect was identified" are all based on Energy Safety's inspection reports. 2. Not all circuits with identified Energy Critical (EC) violations (or "EC tags") For example, while reviewing the tagged defects from Energy Safety, some work was addressed directly in the field (e.g., trimming of vegetation, and so on) and was not included. 3. The attachment contains confidential information.	Holly Waterman	2/7/2023	3/10/2023	3/10/2023	1	NA	8.1.2	Grid Design and System Hardening	Work Performed in 2022
Pre-Discovery 11	CaPA	Sat WMP-03	CaPA_Sat WMP-03	4	CaPA_Sat WMP-03_04	Please provide an Excel table of all transmission circuits existing as of January 1, 2022 (see rows) that were removed or decommissioned in 2022, either partially or entirely. This includes permanent removal, removal of overhead lines that were removed underground, or overhead lines that were decommissioned but not physically removed. Include the following information in separate columns: a. Circuit name b. Circuit ID number c. Reason for removal or decommissioning in Non-PTD Areas d. Reason for removal or decommissioning in Other-PTD Areas e. Reason for removal or decommissioning in Other-PTD Tar 2 f. Reason for removal or decommissioning in Other-PTD Tar 3 g. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 h. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 i. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 j. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 k. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 l. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 m. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 n. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 o. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 p. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 q. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 r. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 s. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 t. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 u. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 v. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 w. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 x. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022 y. Reason for removal or decommissioning in Other-PTD Tar 3 in 2021 z. Reason for removal or decommissioning in Other-PTD Tar 3 in 2022	Please see attachment "WMP-Discovery0023_IR_CatA/CatB/CatC, 2023-Q001/NA/NTD.xlsx" for a list of all affected facilities identified on December 2021 by the Office of Energy Infrastructure Safety (Energy Safety)'s Phase one focus on safety critical facilities in March 2022.  Please note the following: 1. The data provided for "Description of defect" and "Date that the defect was identified" are all based on Energy Safety's inspection reports. 2. Not all circuits with identified Energy Critical (EC) violations (or "EC tags") For example, while reviewing the tagged defects from Energy Safety, some work was addressed directly in the field (e.g., trimming of vegetation, and so on) and was not included. 3. The attachment contains confidential information.	Holly Waterman	2/7/2023	3/10/2023	3/10/2023	1	NA		Grid Design and System Hardening	System Hardening
Pre-Discovery 12	CaPA	Sat WMP-03	CaPA_Sat WMP-03	5	CaPA_Sat WMP-03_05	For each WMP initiative listed below, please state how the modified Wildfire Risk Scores for each circuit or circuit segment influenced where you performed work in 2022. a. EIM b. Covered conductor replacement c. Underground d. Distribution pole replacement e. Pole reinforcement f. Detailed inspections of distribution assets g. Disabled inspections of transmission assets h. Annual inspections of distribution assets i. Annual inspections of transmission assets j. LDMR inspections of distribution assets k. LDMR inspections of transmission assets	Please see attachment "WMP-Discovery0023_IR_CatA/CatB/CatC, 2023-Q001/NA/NTD.xlsx" for a list of all affected facilities identified on December 2021 by the Office of Energy Infrastructure Safety (Energy Safety)'s Phase one focus on safety critical facilities in March 2022.  Please note the following: 1. The data provided for "Description of defect" and "Date that the defect was identified" are all based on Energy Safety's inspection reports. 2. Not all circuits with identified Energy Critical (EC) violations (or "EC tags") For example, while reviewing the tagged defects from Energy Safety, some work was addressed directly in the field (e.g., trimming of vegetation, and so on) and was not included. 3. The attachment contains confidential information.	Holly Waterman	2/7/2023	3/10/2023	3/10/2023	0	NA	2022 WMP Section 7.1	Wildfire Mitigation Strategy Development	NA



Pre-Discovery 13	CAFA	Sat WMP-03	CaFA_Sat WMP-03	6	CaFA_Sat WMP-03_06	<p>For each WMP initiative listed below, please state how the modeled Wildlife Risk Scores for each circuit or circuit segment influence how work in 2022 will be sequenced.</p> <p>E-EM  C- Covered conductor installation  U- Underpinning  D- Distribution pole replacement  G- Grid reconfiguration  A- Detailed inspections of distribution assets  B- Detailed inspections of transmission assets  N- Aerial inspections of distribution assets  L- Aerial inspections of transmission assets  LDAR- Inspections of distribution assets  L- LDAR inspections of transmission assets</p>	<p>1. The 2022 EVM Scope of Work was based on the prioritization from the 2021 list of critical protection zones identified by the EVM Team. Worked Protection basing annual factors and leverage efficiency of funding when possible.</p> <p>2. The critical segments selected for the installation of covered conductor in the System Hardening program were based on the highest wildlife risk criteria described in response to Question 10). To these segments PG&amp;E assesses the experiences and readiness of each project based on the stage of the work (e.g., design/programming, permit acquisition, construction) to appropriately schedule each individual project, as the development time for each project may vary widely. Once projects are in the construction phase, schedules can continue to evolve based on various factors that impact project execution, including unexpected weather, material availability, and customer preferences of timing of reconstruction.</p> <p>3. The critical segments selected for the installation of underground lines in the System Hardening program were based on the highest wildlife risk criteria described in response to Question 10). To these segments PG&amp;E assesses the experiences and readiness of each project in each stage of the work (e.g., design/programming, permit acquisition, line right acquisition, construction) to appropriately schedule each individual project, as the development time for each project may vary widely. Once projects are in the construction phase, schedules can continue to evolve based on various factors that impact project execution including unexpected weather, material availability, customer preferences (e.g., for road closures), customer preferences of timing of reconstruction, delivery of materials, and availability of construction equipment and utility labor.</p> <p>4. After the work for 2022 is prioritized based on the process described in response to Q06), the job replacement sequencing is determined based on each job's priority bucket, estimating and material readiness, and crew and clearance availability.</p> <p>5. For transmission line, there is no targeted work planned in 2022 for grid reconfiguration. For distribution, the 2022 scheduled reworking and protection device installation work to be prioritized by highest relative benefit and wildlife risk.</p> <p>6. In 2022, PG&amp;E's sequencing for the ground inspection plan is informed by wildlife risk and wildlife consequence as described in 2023 WMP Section 8.1.2.1. Detailed inspection activities in HFTD and PFRA are scheduled such that extreme, severe, and high consequence plan maps will be completed by July 31. Medium consequence plan maps will be completed by October 1.</p> <p>7. Low consequence plan maps will be completed by December 31. Inspections are also sequenced based on field conditions including physical access, environmental restrictions, permitting constraints and customer reliability.</p> <p>8. In 2022, the overhead transmission assets in scope for inspection are each labeled with the average wildlife risk of that asset for consideration in inspection sequencing. Assets are typically grouped by line for execution efficiency. The sequence prioritization also considers operational field knowledge and constraints, including restricted physical access periods, to inform the schedule for completion.</p> <p>9. In 2022, PG&amp;E's sequencing for the aerial inspections is not directly based on wildlife risk scores. However, in areas of overlap with detailed ground inspections, aerial inspections are scheduled to take place at the same time frame as the scheduled ground inspection, which is based on wildlife consequence. Sequencing is based on the scheduled ground inspection.</p> <p>10. PG&amp;E is not conducting EVM in 2024.</p> <p>11. Please refer to the response to Question 7c, which also applies to 2024.</p> <p>12. Please refer to the response to Question 7d, which also applies to 2024.</p> <p>13. For transmission line, there is no targeted work planned in 2024 for grid reconfiguration. For distribution, there is no targeted work planned in 2024 for grid reconfiguration in areas not related to EPSS reliability to be incorporated into new reliability programs.</p> <p>14. In 2024, PG&amp;E's detailed ground inspection plan will be informed by wildlife risk and wildlife consequence as described in 2023 WMP Section 8.1.2.1. PG&amp;E developed a frequency recommendation for each level of wildlife consequence extreme and severe consequence plan maps will be impacted annually, high consequence plan maps will be impacted every other year, and all other plan maps will be impacted once every three years. Structures that contain the top 10 to 100 of wildlife risk and are already included in a plan map that is being reworked by ground or aerial are also included in the 2024 ground inspection plan.</p> <p>15. In 2024, wildlife risk and wildlife consequence will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and a baseline frequency of every three years for HFTD/PFRA assets. Specifically, highest wildlife risk and wildlife consequence locations were included in the 2023 scope.</p> <p>16. In 2024, PG&amp;E's distribution aerial inspection plan will be informed by wildlife risk and wildlife consequence as described in 2023 WMP Section 8.1.2.1. For aerial inspections, PG&amp;E used the ground inspection framework with the same plan map degradation that is used for detailed ground inspections and is described in Section 8.1.2.1. The 2024 aerial inspection plan maps will be updated in October 2023. All other plan maps will be updated in October 2023.</p> <p>17. In 2024, wildlife risk and wildlife consequence will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and a baseline frequency of every three years for HFTD/PFRA assets). Specifically, highest wildlife risk and wildlife consequence locations were included in the 2024 scope.</p> <p>18. PG&amp;E does not have a stand-alone LDAR distribution inspection program but collects LDAR data on distribution to support various needs, including light planning for aerial inspections and engineering analysis, such as line loading calculations. PG&amp;E did not use the wildlife risk model in 2022 or 2023 to select locations or sequence LDAR collection activities.</p> <p>19. PG&amp;E does not use risk-informed prioritization for Transmission LDAR inspections, rather, it inspects 100 percent of the system annually using LDAR. The Transmission Relative NERC and Non-NERC inspection cycle consists of a LDAR inspection followed by a ground patrol based on LDAR findings. The LDAR inspection provides an inventory of potential problems and the results of the ground patrol prescribe the forecasted work to comply with state and federal regulations.</p>	Holly Wetman	27/2023	31/2023	31/2023	<a href="https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-1-covered-conductor-installation-distribution.pdf">https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-1-covered-conductor-installation-distribution.pdf</a> <a href="https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-2-underpinning-of-distribution-poles-and-reinforcements.pdf">https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-2-underpinning-of-distribution-poles-and-reinforcements.pdf</a> <a href="https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-3-distribution-pole-replacements-and-reinforcements.pdf">https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-3-distribution-pole-replacements-and-reinforcements.pdf</a>	0	NA	2022 WMP Section 7.1	Wildfire Mitigation Strategy Development	NA
Pre-Discovery 14	CAFA	Sat WMP-03	CaFA_Sat WMP-03	7	CaFA_Sat WMP-03_07	<p>For each WMP initiative listed below, please state how the modeled Wildlife Risk Scores for each circuit or circuit segment influence when you plan to perform work in 2023.</p> <p>E-EM  C- Covered conductor installation  U- Underpinning  D- Distribution pole replacement  G- Grid reconfiguration  A- Detailed inspections of distribution assets  B- Detailed inspections of transmission assets  N- Aerial inspections of distribution assets  L- Aerial inspections of transmission assets  LDAR- Inspections of distribution assets  L- LDAR inspections of transmission assets</p>	<p>1. As described in the 2023 WMP Section 8.1.2.1 "Covered Conductor Installation - Distribution," PG&amp;E's System Hardening program, which includes planned CC activities, focuses on mitigating potential catastrophic outages caused by distribution overhead assets. The System Hardening Program applies various mitigations to circuit segments that have the highest wildlife risk. For 2023, the highest wildlife risk lines are identified among the following categories:</p> <ol style="list-style-type: none"> <li>1. Top Risk Based on Wildlife Distribution Risk Model (WDRM): The primary approach for selecting system hardening sites was using risk prioritization metrics (WDRM) (1) the 20 percent critical segments based on the 2023 WDRM (2) and (2) the Wildlife Feasibility Efficiency (WFE) based critical segments based on the 2023 WDRM (3). Overhead hardening was selected when underpinning was deemed infeasible for the WDRM selection.</li> <li>2. Fire Retards: Reducing electric distribution lines within trees and communities in the aftermath of catastrophic wildfires. Overhead hardening Fire Retards work is identified through a decision tree to determine the type of retardant (overhead hardening, underpinning, or other solutions) in areas that have been impacted by a wildfire and may include fire-retarded areas in both HFTD and non-HFTD.</li> <li>3. PG&amp;E's Public Safety Specialist (PSS) identified Locations identified by PG&amp;E's PSS team as presenting elevated wildfire risk, such as high-voltage corridors and community risk factors.</li> <li>4. As described in the 2023 WMP Section 8.1.2.2 "Underpinning of Electric Lines and/or Equipment - Distribution," the 2023 WDRM categorization provides a baseline for the highest wildlife risk areas, which include the following: <ol style="list-style-type: none"> <li>1. Top Risk Based on Critical Segments Based on WDRM: The primary approach for selecting sites used risk prioritization methodologies (1) Top 20 percent critical segments based on the 2023 WDRM (2) and (2) the WFE-based critical segments based on the 2023 WDRM (3) and considering underpinning feasibility. Both approaches used a cost-benefit analysis to determine the most effective mitigation approach.</li> <li>2. Fire Retards: Underpinning electric distribution lines within trees and communities that are retarding in the aftermath of catastrophic wildfires.</li> </ol> </li> </ol> <p>Underpinning work in Fire Retarded areas typically results from the use of a decision tree to determine the type of retardant (overhead hardening, underpinning, or other solutions) in areas that have been impacted by an actual wildfire that may include fire-retarded areas in both HFTD and non-HFTD.</p> <p>5. PG&amp;E's Public Safety Specialist (PSS) identified that could reduce PG&amp;E's customer impact.</p> <p>6. PG&amp;E's PSS Identification Locations identified by PG&amp;E's PSS team as presenting elevated wildfire risk such as high-voltage corridors and community risk factors.</p> <p>7. As described in the 2023 WMP Section 8.1.2.3 "Distribution Pole Replacements and Reinforcements," PG&amp;E managed the Wildlife Distribution Risk Model (WDRM) to determine when job replacement work is planned to be performed in 2023.</p>	Holly Wetman	27/2023	31/2023	31/2023	<a href="https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-1-covered-conductor-installation-distribution.pdf">https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-1-covered-conductor-installation-distribution.pdf</a> <a href="https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-2-underpinning-of-distribution-poles-and-reinforcements.pdf">https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-2-underpinning-of-distribution-poles-and-reinforcements.pdf</a> <a href="https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-3-distribution-pole-replacements-and-reinforcements.pdf">https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-3-distribution-pole-replacements-and-reinforcements.pdf</a>	0	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
Pre-Discovery 15	CAFA	Sat WMP-03	CaFA_Sat WMP-03	8	CaFA_Sat WMP-03_08	<p>For each WMP initiative listed below, please state how the modeled Wildlife Risk Scores for each circuit or circuit segment influence how work in 2023 will be sequenced.</p> <p>E-EM  C- Covered conductor installation  U- Underpinning  D- Distribution pole replacement  G- Grid reconfiguration  A- Detailed inspections of distribution assets  B- Detailed inspections of transmission assets  N- Aerial inspections of distribution assets  L- Aerial inspections of transmission assets  LDAR- Inspections of distribution assets  L- LDAR inspections of transmission assets</p>	<p>1. PG&amp;E is not conducting EVM in 2024.</p> <p>2. Please refer to the response to Question 7c, which also applies to 2024.</p> <p>3. Please refer to the response to Question 7d, which also applies to 2024.</p> <p>4. For transmission line, there is no targeted work planned in 2024 for grid reconfiguration. For distribution, there is no targeted work planned in 2024 for grid reconfiguration in areas not related to EPSS reliability to be incorporated into new reliability programs.</p> <p>5. In 2024, PG&amp;E's detailed ground inspection plan will be informed by wildlife risk and wildlife consequence as described in 2023 WMP Section 8.1.2.1. PG&amp;E developed a frequency recommendation for each level of wildlife consequence extreme and severe consequence plan maps will be impacted annually, high consequence plan maps will be impacted every other year, and all other plan maps will be impacted once every three years. Structures that contain the top 10 to 100 of wildlife risk and are already included in a plan map that is being reworked by ground or aerial are also included in the 2024 ground inspection plan.</p> <p>6. In 2024, wildlife risk and wildlife consequence will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and a baseline frequency of every three years for HFTD/PFRA assets. Specifically, highest wildlife risk and wildlife consequence locations were included in the 2023 scope.</p> <p>7. In 2024, PG&amp;E's distribution aerial inspection plan will be informed by wildlife risk and wildlife consequence as described in 2023 WMP Section 8.1.2.1. For aerial inspections, PG&amp;E used the ground inspection framework with the same plan map degradation that is used for detailed ground inspections and is described in Section 8.1.2.1. The 2024 aerial inspection plan maps will be updated in October 2023. All other plan maps will be updated in October 2023.</p> <p>8. In 2024, wildlife risk and wildlife consequence will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and a baseline frequency of every three years for HFTD/PFRA assets). Specifically, highest wildlife risk and wildlife consequence locations were included in the 2024 scope.</p> <p>9. PG&amp;E does not have a stand-alone LDAR distribution inspection program but collects LDAR data on distribution to support various needs, including light planning for aerial inspections and engineering analysis, such as line loading calculations. PG&amp;E did not use the wildlife risk model in 2022 or 2023 to select locations or sequence LDAR collection activities.</p> <p>10. PG&amp;E does not use risk-informed prioritization for Transmission LDAR inspections, rather, it inspects 100 percent of the system annually using LDAR. The Transmission Relative NERC and Non-NERC inspection cycle consists of a LDAR inspection followed by a ground patrol based on LDAR findings. The LDAR inspection provides an inventory of potential problems and the results of the ground patrol prescribe the forecasted work to comply with state and federal regulations.</p>	Holly Wetman	27/2023	31/2023	31/2023	<a href="https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-1-covered-conductor-installation-distribution.pdf">https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-1-covered-conductor-installation-distribution.pdf</a> <a href="https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-2-underpinning-of-distribution-poles-and-reinforcements.pdf">https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-2-underpinning-of-distribution-poles-and-reinforcements.pdf</a> <a href="https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-3-distribution-pole-replacements-and-reinforcements.pdf">https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-3-distribution-pole-replacements-and-reinforcements.pdf</a>	0	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
Pre-Discovery 16	CAFA	Sat WMP-03	CaFA_Sat WMP-03	9	CaFA_Sat WMP-03_09	<p>For each WMP initiative listed below, please state how the modeled Wildlife Risk Scores for each circuit or circuit segment influence when you plan to perform work in 2024.</p> <p>E-EM  C- Covered conductor installation  U- Underpinning  D- Distribution pole replacement  G- Grid reconfiguration  A- Detailed inspections of distribution assets  B- Detailed inspections of transmission assets  N- Aerial inspections of distribution assets  L- Aerial inspections of transmission assets  LDAR- Inspections of distribution assets  L- LDAR inspections of transmission assets</p>	<p>1. PG&amp;E is not conducting EVM in 2024.</p> <p>2. Please refer to the response to Question 7c, which also applies to 2024.</p> <p>3. Please refer to the response to Question 7d, which also applies to 2024.</p> <p>4. For transmission line, there is no targeted work planned in 2024 for grid reconfiguration. For distribution, there is no targeted work planned in 2024 for grid reconfiguration in areas not related to EPSS reliability to be incorporated into new reliability programs.</p> <p>5. In 2024, PG&amp;E's detailed ground inspection plan will be informed by wildlife risk and wildlife consequence as described in 2023 WMP Section 8.1.2.1. PG&amp;E developed a frequency recommendation for each level of wildlife consequence extreme and severe consequence plan maps will be impacted annually, high consequence plan maps will be impacted every other year, and all other plan maps will be impacted once every three years. Structures that contain the top 10 to 100 of wildlife risk and are already included in a plan map that is being reworked by ground or aerial are also included in the 2024 ground inspection plan.</p> <p>6. In 2024, wildlife risk and wildlife consequence will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and a baseline frequency of every three years for HFTD/PFRA assets. Specifically, highest wildlife risk and wildlife consequence locations were included in the 2023 scope.</p> <p>7. In 2024, PG&amp;E's distribution aerial inspection plan will be informed by wildlife risk and wildlife consequence as described in 2023 WMP Section 8.1.2.1. For aerial inspections, PG&amp;E used the ground inspection framework with the same plan map degradation that is used for detailed ground inspections and is described in Section 8.1.2.1. The 2024 aerial inspection plan maps will be updated in October 2023. All other plan maps will be updated in October 2023.</p> <p>8. In 2024, wildlife risk and wildlife consequence will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and a baseline frequency of every three years for HFTD/PFRA assets). Specifically, highest wildlife risk and wildlife consequence locations were included in the 2024 scope.</p> <p>9. PG&amp;E does not have a stand-alone LDAR distribution inspection program but collects LDAR data on distribution to support various needs, including light planning for aerial inspections and engineering analysis, such as line loading calculations. PG&amp;E did not use the wildlife risk model in 2022 or 2023 to select locations or sequence LDAR collection activities.</p> <p>10. PG&amp;E does not use risk-informed prioritization for Transmission LDAR inspections, rather, it inspects 100 percent of the system annually using LDAR. The Transmission Relative NERC and Non-NERC inspection cycle consists of a LDAR inspection followed by a ground patrol based on LDAR findings. The LDAR inspection provides an inventory of potential problems and the results of the ground patrol prescribe the forecasted work to comply with state and federal regulations.</p>	Holly Wetman	27/2023	31/2023	31/2023	<a href="https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-1-covered-conductor-installation-distribution.pdf">https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-1-covered-conductor-installation-distribution.pdf</a> <a href="https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-2-underpinning-of-distribution-poles-and-reinforcements.pdf">https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-2-underpinning-of-distribution-poles-and-reinforcements.pdf</a> <a href="https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-3-distribution-pole-replacements-and-reinforcements.pdf">https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-3-distribution-pole-replacements-and-reinforcements.pdf</a>	0	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
Pre-Discovery 17	CAFA	Sat WMP-03	CaFA_Sat WMP-03	10	CaFA_Sat WMP-03_10	<p>For each WMP initiative listed below, please state how the modeled Wildlife Risk Scores for each circuit or circuit segment influence how work in 2024 will be sequenced.</p> <p>E-EM  C- Covered conductor installation  U- Underpinning  D- Distribution pole replacement  G- Grid reconfiguration  A- Detailed inspections of distribution assets  B- Detailed inspections of transmission assets  N- Aerial inspections of distribution assets  L- Aerial inspections of transmission assets  LDAR- Inspections of distribution assets  L- LDAR inspections of transmission assets</p>	<p>1. PG&amp;E is not conducting EVM in 2024.</p> <p>2. Please refer to the response to Question 7c, which also applies to 2024.</p> <p>3. Please refer to the response to Question 7d, which also applies to 2024.</p> <p>4. For transmission line, there is no targeted work planned in 2024 for grid reconfiguration. For distribution, there is no targeted work planned in 2024 for grid reconfiguration in areas not related to EPSS reliability to be incorporated into new reliability programs.</p> <p>5. In 2024, PG&amp;E's detailed ground inspection plan will be informed by wildlife risk and wildlife consequence as described in 2023 WMP Section 8.1.2.1. PG&amp;E developed a frequency recommendation for each level of wildlife consequence extreme and severe consequence plan maps will be impacted annually, high consequence plan maps will be impacted every other year, and all other plan maps will be impacted once every three years. Structures that contain the top 10 to 100 of wildlife risk and are already included in a plan map that is being reworked by ground or aerial are also included in the 2024 ground inspection plan.</p> <p>6. In 2024, wildlife risk and wildlife consequence will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and a baseline frequency of every three years for HFTD/PFRA assets. Specifically, highest wildlife risk and wildlife consequence locations were included in the 2023 scope.</p> <p>7. In 2024, PG&amp;E's distribution aerial inspection plan will be informed by wildlife risk and wildlife consequence as described in 2023 WMP Section 8.1.2.1. For aerial inspections, PG&amp;E used the ground inspection framework with the same plan map degradation that is used for detailed ground inspections and is described in Section 8.1.2.1. The 2024 aerial inspection plan maps will be updated in October 2023. All other plan maps will be updated in October 2023.</p> <p>8. In 2024, wildlife risk and wildlife consequence will inform the annual overhead detailed inspection scope at a structure level in addition to other considerations such as inspection trends and a baseline frequency of every three years for HFTD/PFRA assets). Specifically, highest wildlife risk and wildlife consequence locations were included in the 2024 scope.</p> <p>9. PG&amp;E does not have a stand-alone LDAR distribution inspection program but collects LDAR data on distribution to support various needs, including light planning for aerial inspections and engineering analysis, such as line loading calculations. PG&amp;E did not use the wildlife risk model in 2022 or 2023 to select locations or sequence LDAR collection activities.</p> <p>10. PG&amp;E does not use risk-informed prioritization for Transmission LDAR inspections, rather, it inspects 100 percent of the system annually using LDAR. The Transmission Relative NERC and Non-NERC inspection cycle consists of a LDAR inspection followed by a ground patrol based on LDAR findings. The LDAR inspection provides an inventory of potential problems and the results of the ground patrol prescribe the forecasted work to comply with state and federal regulations.</p>	Holly Wetman	27/2023	31/2023	31/2023	<a href="https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-1-covered-conductor-installation-distribution.pdf">https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-1-covered-conductor-installation-distribution.pdf</a> <a href="https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-2-underpinning-of-distribution-poles-and-reinforcements.pdf">https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-2-underpinning-of-distribution-poles-and-reinforcements.pdf</a> <a href="https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-3-distribution-pole-replacements-and-reinforcements.pdf">https://www.pge.com/globalassets/pdfs/2023-wmp/2023-wmp-section-8-1-2-3-distribution-pole-replacements-and-reinforcements.pdf</a>	0	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy

Discovery ID	Category	Sub-Category	Item ID	Item Name	Priority	Status	Due Date	Start Date	End Date	Impact	Score	Priority	Phase	Notes
Pre-Discovery 18	CaPA	Set WMP-04	CaPa_Sat WMP-04_01	1	CaPa_Sat WMP-04_01	High	2023-02-03	2023-02-03	2023-02-03	0	NA	4.3	Proposed Expenditures	NA
Pre-Discovery 19	CaPA	Set WMP-04	CaPa_Sat WMP-04_02	2	CaPa_Sat WMP-04_02	High	2023-02-03	2023-02-03	2023-02-03	0	NA	4.3	Proposed Expenditures	NA
Pre-Discovery 20	CaPA	Set WMP-04	CaPa_Sat WMP-04_03	3	CaPa_Sat WMP-04_03	High	2023-02-03	2023-02-03	2023-02-03	0	NA	4.3	Proposed Expenditures	NA
Pre-Discovery 21	CaPA	Set WMP-04	CaPa_Sat WMP-04_04	4	CaPa_Sat WMP-04_04	High	2023-02-03	2023-02-03	2023-02-03	0	NA	4.3	Proposed Expenditures	NA
Pre-Discovery 22	CaPA	Set WMP-05	CaPa_Sat WMP-05_01	1	CaPa_Sat WMP-05_01	High	2023-02-03	2023-02-03	2023-02-03	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	WORM v3
Pre-Discovery 23	CaPA	Set WMP-05	CaPa_Sat WMP-05_02	2	CaPa_Sat WMP-05_02	High	2023-02-03	2023-02-03	2023-02-03	0	NA	8.1.3	Asset Inspections	NA
Pre-Discovery 24	CaPA	Set WMP-05	CaPa_Sat WMP-05_03	3	CaPa_Sat WMP-05_03	High	2023-02-03	2023-02-03	2023-02-03	1	NA	8.1.3	Asset Inspections	Inspections completed in 2022
Pre-Discovery 25	CaPA	Set WMP-05	CaPa_Sat WMP-05_04	4	CaPa_Sat WMP-05_04	High	2023-02-03	2023-02-03	2023-02-03	2	NA	QDR	NA	NA
Pre-Discovery 26	CaPA	Set WMP-06	CaPa_Sat WMP-06_01	1	CaPa_Sat WMP-06_01	High	2023-02-03	2023-02-03	2023-02-03	0	NA	8.2.3	Vegetation Management	EVM
Pre-Discovery 27	CaPA	Set WMP-06	CaPa_Sat WMP-06_02	2	CaPa_Sat WMP-06_02	High	2023-02-03	2023-02-03	2023-02-03	0	NA	8.2.3	Vegetation Management	EVM
Pre-Discovery 28	CaPA	Set WMP-06	CaPa_Sat WMP-06_03	3	CaPa_Sat WMP-06_03	High	2023-02-03	2023-02-03	2023-02-03	1	NA	2022 WMP 7.3.5.2	Vegetation Management and Inspections	Enhanced Vegetation Management
Pre-Discovery 29	CaPA	Set WMP-06	CaPa_Sat WMP-06_04	4	CaPa_Sat WMP-06_04	High	2023-02-03	2023-02-03	2023-02-03	0	NA	2022 WMP 7.5	Vegetation Management and Inspections	Program Costs
Pre-Discovery 30	CaPA	Set WMP-06	CaPa_Sat WMP-06_05	5	CaPa_Sat WMP-06_05	High	2023-02-03	2023-02-03	2023-02-03	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 within the scope. Safety Risk Items include any occurrences on a work where the contractor's actions created a safety hazard for either workers or the general public. For each incident, please provide:</p> <ul style="list-style-type: none"> <li>The date you were informed of the safety issue</li> <li>Whether the safety issue was resolved or not</li> <li>Whether the safety issue concerned a transmission or distribution circuit</li> <li>The mitigation management initiative involved in the original work</li> <li>A brief description of the safety issue involved.</li> </ul>	<p>Please refer to Attachment "WMP-Discovery2022_DR_CaPA/CaPA/006-00040A01CONF.xlsx" for a set of all contractor involved safety incidents that took place in 2022. The data includes, but is not limited to:</p> <ul style="list-style-type: none"> <li>Contractor Name/Project</li> <li>The contractor company involved in the incident</li> <li>Incident: The date of the incident</li> <li>Date EN: The date the incident was formally reported and logged</li> <li>Owner: The division where the incident took place</li> <li>Title Type: The incident type for the job</li> <li>Contractor Description: A brief description of the incident</li> <li>Program: Description on which relative a contractor was working on, on the date of incident</li> <li>Corrective Action: A description of the actions/POSE took to prevent recurrence</li> </ul> <p>Please note, both Distribution and Transmission contractor incidents are included in the attachment. These records are pulled from the Emergency Contractor Incident Records Tool (ECIRT) database. The ECIRT database incident recording process does not have a space for providing Distribution or Transmission circuit information. Therefore we are unable to provide this information in this question.</p>	Holly Wathman	21/02/23	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 Data Request CaPA/CaPA/006-2022WMP-14, Question 13, March 15, 2022, PG&amp;E provided its 2022 system hardening activities for the categories referred to in parts (a) to (d) below. Please provide an updated version of the spreadsheet with additional columns to show the actual system hardening work performed in each circuit segment. For each of these categories, please add rows as needed to cover all circuit segments where PG&amp;E performed system hardening work in 2022. When these circuit segments were not included in the original spreadsheet, please provide:</p> <ul style="list-style-type: none"> <li>Installation of covered conductor</li> <li>Removal of underground conductor</li> <li>Removal of overhead conductor</li> <li>Removal of overhead conductor associated with remote grid work</li> </ul>	<p>See "WMP-Discovery2022_DR_CaPA/CaPA/006-2022WMP-14" Question 13. This file includes the 2022 system hardening completed work in the below columns:</p> <ul style="list-style-type: none"> <li>Installation of covered conductor: See column O</li> <li>Removal of underground conductor: See column P</li> <li>Removal of overhead conductor: See column Q</li> <li>Removal of overhead conductor associated with remote grid work: See column R</li> </ul> <p>Please note, this removal work is not associated with the lines removed from overhead for installation of underground conductors. It is strictly overhead conductor completely de-energized and removed from the system. This work is tracked in the PG&amp;E Risk Register. The ECIRT database incident recording process does not have a space for providing Distribution or Transmission circuit information. Therefore we are unable to provide this information in this question.</p>	Holly Wathman	21/02/23	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>Please see Attachment "WMP-Discovery2022_DR_CaPA/CaPA/006-00040A01CONF.xlsx" for a set of all contractor involved safety incidents that took place in 2022. The data includes, but is not limited to:</p> <ul style="list-style-type: none"> <li>Contractor Name/Project</li> <li>The contractor company involved in the incident</li> <li>Incident: The date of the incident</li> <li>Date EN: The date the incident was formally reported and logged</li> <li>Owner: The division where the incident took place</li> <li>Title Type: The incident type for the job</li> <li>Contractor Description: A brief description of the incident</li> <li>Program: Description on which relative a contractor was working on, on the date of incident</li> <li>Corrective Action: A description of the actions/POSE took to prevent recurrence</li> </ul> <p>Please note, both Distribution and Transmission contractor incidents are included in the attachment. These records are pulled from the Emergency Contractor Incident Records Tool (ECIRT) database. The ECIRT database incident recording process does not have a space for providing Distribution or Transmission circuit information. Therefore we are unable to provide this information in this question.</p>	<p>Please see Attachment "WMP-Discovery2022_DR_CaPA/CaPA/006-00040A01CONF.xlsx" for a set of all contractor involved safety incidents that took place in 2022. The data includes, but is not limited to:</p> <ul style="list-style-type: none"> <li>Contractor Name/Project</li> <li>The contractor company involved in the incident</li> <li>Incident: The date of the incident</li> <li>Date EN: The date the incident was formally reported and logged</li> <li>Owner: The division where the incident took place</li> <li>Title Type: The incident type for the job</li> <li>Contractor Description: A brief description of the incident</li> <li>Program: Description on which relative a contractor was working on, on the date of incident</li> <li>Corrective Action: A description of the actions/POSE took to prevent recurrence</li> </ul>	Holly Wathman	21/02/23	3/29/2023	3/29/2023	1	NA	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>Please see Attachment "WMP-Discovery2022_DR_CaPA/CaPA/006-00040A01CONF.xlsx" for a set of all contractor involved safety incidents that took place in 2022. The data includes, but is not limited to:</p> <ul style="list-style-type: none"> <li>Contractor Name/Project</li> <li>The contractor company involved in the incident</li> <li>Incident: The date of the incident</li> <li>Date EN: The date the incident was formally reported and logged</li> <li>Owner: The division where the incident took place</li> <li>Title Type: The incident type for the job</li> <li>Contractor Description: A brief description of the incident</li> <li>Program: Description on which relative a contractor was working on, on the date of incident</li> <li>Corrective Action: A description of the actions/POSE took to prevent recurrence</li> </ul>	<p>Please see Attachment "WMP-Discovery2022_DR_CaPA/CaPA/006-00040A01CONF.xlsx" for a set of all contractor involved safety incidents that took place in 2022. The data includes, but is not limited to:</p> <ul style="list-style-type: none"> <li>Contractor Name/Project</li> <li>The contractor company involved in the incident</li> <li>Incident: The date of the incident</li> <li>Date EN: The date the incident was formally reported and logged</li> <li>Owner: The division where the incident took place</li> <li>Title Type: The incident type for the job</li> <li>Contractor Description: A brief description of the incident</li> <li>Program: Description on which relative a contractor was working on, on the date of incident</li> <li>Corrective Action: A description of the actions/POSE took to prevent recurrence</li> </ul>	Holly Wathman	21/02/23	3/29/2023	3/29/2023	0	NA	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>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> <ul style="list-style-type: none"> <li>Project ID number or other identifier</li> <li>Date of each circuit segment that was actively underground in the project</li> <li>Date of each circuit segment that was passively underground in the project</li> <li>Priority of circuit segment during undergrounding phase</li> <li>Number of circuit segments</li> <li>Total life-cycle costs of the project, including costs attributed to non-electric facilities, including costs for planning, design, permitting, and construction</li> <li>Total life-cycle costs of the project, including costs attributed to non-electric utilities, including costs for planning, design, permitting, and construction</li> <li>Whether this was a Rule ID project (yes/no)</li> <li>Whether this was a WMP project (yes/no)</li> <li>Whether this was a post-incident rebuild project (yes/no)</li> <li>Whether you shared trenches for this project with any telecommunications utilities (yes/no)</li> <li>Whether you shared trenches for this project with gas facilities (yes/no)</li> </ul>	<p>Please see Attachment "WMP-Discovery2022_DR_CaPA/CaPA/006-00040A01CONF.xlsx" for a set of all contractor involved safety incidents that took place in 2022. The data includes, but is not limited to:</p> <ul style="list-style-type: none"> <li>Contractor Name/Project</li> <li>The contractor company involved in the incident</li> <li>Incident: The date of the incident</li> <li>Date EN: The date the incident was formally reported and logged</li> <li>Owner: The division where the incident took place</li> <li>Title Type: The incident type for the job</li> <li>Contractor Description: A brief description of the incident</li> <li>Program: Description on which relative a contractor was working on, on the date of incident</li> <li>Corrective Action: A description of the actions/POSE took to prevent recurrence</li> </ul>	Holly Wathman	21/02/23	3/29/2023	3/29/2023	1	NA	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> <ul style="list-style-type: none"> <li>Project ID number or other identifier</li> <li>Date of each circuit segment that was actively underground in the project</li> <li>Date of each circuit segment that was passively underground in the project</li> <li>Priority of circuit segment during undergrounding phase</li> <li>Number of circuit segments</li> <li>Total life-cycle costs of the project, including costs attributed to non-electric facilities, including costs for planning, design, permitting, and construction</li> <li>Total life-cycle costs of the project, including costs attributed to non-electric utilities, including costs for planning, design, permitting, and construction</li> <li>Whether this was a Rule ID project (yes/no)</li> <li>Whether this was a WMP project (yes/no)</li> <li>Whether this was a post-incident rebuild project (yes/no)</li> <li>Whether you shared trenches for this project with any telecommunications utilities (yes/no)</li> <li>Whether you shared trenches for this project with gas facilities (yes/no)</li> </ul>	<p>Please see Attachment "WMP-Discovery2022_DR_CaPA/CaPA/006-00040A01CONF.xlsx" for a set of all contractor involved safety incidents that took place in 2022. The data includes, but is not limited to:</p> <ul style="list-style-type: none"> <li>Contractor Name/Project</li> <li>The contractor company involved in the incident</li> <li>Incident: The date of the incident</li> <li>Date EN: The date the incident was formally reported and logged</li> <li>Owner: The division where the incident took place</li> <li>Title Type: The incident type for the job</li> <li>Contractor Description: A brief description of the incident</li> <li>Program: Description on which relative a contractor was working on, on the date of incident</li> <li>Corrective Action: A description of the actions/POSE took to prevent recurrence</li> </ul>	Holly Wathman	21/02/23	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 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> <ul style="list-style-type: none"> <li>Project ID number or other identifier</li> <li>Date of each circuit segment that was actively underground in the project</li> <li>Date of each circuit segment that was passively underground in the project</li> <li>Priority of circuit segment during undergrounding phase</li> <li>Number of circuit segments</li> <li>Total life-cycle costs of the project, including costs attributed to non-electric facilities, including costs for planning, design, permitting, and construction</li> <li>Total life-cycle costs of the project, including costs attributed to non-electric utilities, including costs for planning, design, permitting, and construction</li> <li>Whether this was a Rule ID project (yes/no)</li> <li>Whether this was a WMP project (yes/no)</li> <li>Whether this was a post-incident rebuild project (yes/no)</li> <li>Whether you shared trenches for this project with any telecommunications utilities (yes/no)</li> <li>Whether you shared trenches for this project with gas facilities (yes/no)</li> </ul>	<p>Please see Attachment "WMP-Discovery2022_DR_CaPA/CaPA/006-00040A01CONF.xlsx" for a set of all contractor involved safety incidents that took place in 2022. The data includes, but is not limited to:</p> <ul style="list-style-type: none"> <li>Contractor Name/Project</li> <li>The contractor company involved in the incident</li> <li>Incident: The date of the incident</li> <li>Date EN: The date the incident was formally reported and logged</li> <li>Owner: The division where the incident took place</li> <li>Title Type: The incident type for the job</li> <li>Contractor Description: A brief description of the incident</li> <li>Program: Description on which relative a contractor was working on, on the date of incident</li> <li>Corrective Action: A description of the actions/POSE took to prevent recurrence</li> </ul>	Holly Wathman	21/02/23	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>Please provide a spreadsheet listing (as rows) each existing corrective notification at the time of the system. Please provide a spreadsheet listing each such system (as rows) with the following information in separate columns:</p> <ul style="list-style-type: none"> <li>Unique system ID</li> <li>Date of system</li> <li>Name of system</li> <li>Type of asset associated with the system</li> <li>Asset location</li> <li>Number of assets associated with system, if any</li> <li>Asset ID number of asset associated with system</li> <li>Circuit ID number of circuit associated with system</li> <li>Notification number(s) for the existing maintenance tag on the asset in question.</li> </ul>	<p>Please see Attachment "WMP-Discovery2022_DR_CaPA/CaPA/006-00040A01CONF.xlsx" for a set of all contractor involved safety incidents that took place in 2022. The data includes, but is not limited to:</p> <ul style="list-style-type: none"> <li>Contractor Name/Project</li> <li>The contractor company involved in the incident</li> <li>Incident: The date of the incident</li> <li>Date EN: The date the incident was formally reported and logged</li> <li>Owner: The division where the incident took place</li> <li>Title Type: The incident type for the job</li> <li>Contractor Description: A brief description of the incident</li> <li>Program: Description on which relative a contractor was working on, on the date of incident</li> <li>Corrective Action: A description of the actions/POSE took to prevent recurrence</li> </ul>	Holly Wathman	21/02/23	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>Please provide a spreadsheet listing (as rows) each existing corrective notification at the time of the system. Please provide a spreadsheet listing each such system (as rows) with the following information in separate columns:</p> <ul style="list-style-type: none"> <li>Unique system ID</li> <li>Date of system</li> <li>Name of system</li> <li>Type of asset associated with the system</li> <li>Asset location</li> <li>Number of assets associated with system, if any</li> <li>Asset ID number of asset associated with system</li> <li>Circuit ID number of circuit associated with system</li> <li>Notification number(s) for the existing maintenance tag on the asset in question.</li> </ul>	<p>Please see Attachment "WMP-Discovery2022_DR_CaPA/CaPA/006-00040A01CONF.xlsx" for a set of all contractor involved safety incidents that took place in 2022. The data includes, but is not limited to:</p> <ul style="list-style-type: none"> <li>Contractor Name/Project</li> <li>The contractor company involved in the incident</li> <li>Incident: The date of the incident</li> <li>Date EN: The date the incident was formally reported and logged</li> <li>Owner: The division where the incident took place</li> <li>Title Type: The incident type for the job</li> <li>Contractor Description: A brief description of the incident</li> <li>Program: Description on which relative a contractor was working on, on the date of incident</li> <li>Corrective Action: A description of the actions/POSE took to prevent recurrence</li> </ul>	Holly Wathman	21/02/23	3/29/2023	3/29/2023	0	NA	2022 WMP 7.3.7	Data Governance	Asset Failure Analysis

Pre-Discovery 40	CAPA	Sat WMP/06	CAPA_Sat_WMP-06_015	15	CAPA_Sat_WMP-06_015	<p>The PG&amp;E is responsive to Data Request California-PSGE-2022WMP-17, Question 13, March 24, 2022. PG&amp;E's inspection strategy in 2022 was to complete detailed inspections of all assets in HFTD Tier 2 and Zone 1, and approximately one-fourth of assets in HFTD Tier 2. PG&amp;E will conduct detailed inspections for HFTD Tier 2 assets in 2023. PG&amp;E is currently in the process of preparing for detailed inspection of assets in HFTD Tier 2, Zone 1 and Zone 2. PG&amp;E's inspection strategy in 2023 was to complete detailed inspections of all assets in HFTD Tier 2 and Zone 1, and approximately one-fourth of assets in HFTD Tier 2. PG&amp;E will conduct detailed inspections for HFTD Tier 2 assets in 2023. PG&amp;E is currently in the process of preparing for detailed inspection of assets in HFTD Tier 2, Zone 1 and Zone 2. PG&amp;E's inspection strategy in 2024 will be to complete detailed inspections of all assets in HFTD Tier 2 and Zone 1, and approximately one-fourth of assets in HFTD Tier 2. PG&amp;E will conduct detailed inspections for HFTD Tier 2 assets in 2024. PG&amp;E is currently in the process of preparing for detailed inspection of assets in HFTD Tier 2, Zone 1 and Zone 2.</p>	Holy Wellman	21/02/2023	3/20/2023	3/20/2023	<a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a> <a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a> <a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a>	0	NA	2022 WMP 7.3.4.1 and 7.3.4.6	Asset Management and Inspections	NA
Pre-Discovery 41	CAPA	Sat WMP/06	CAPA_Sat_WMP-06_016	16	CAPA_Sat_WMP-06_016	Regarding your PSPS circuit modeling capabilities: a) Please describe your present circuit modeling capabilities with regard to PSPS decision making (PSPS circuit modeling capabilities), including what level of granularity (what are able to determine how circuit feeding affects or other changes to a line segment will affect PSPS thresholds). b) Please describe any improvements to the present PSPS circuit modeling capabilities that you expect to implement in 2023. c) Please describe any improvements to the present PSPS circuit modeling capabilities that you expect to implement in 2024. d) Please describe the expected state of your PSPS circuit modeling capabilities at the conclusion of the 2023-2025 WMP cycle.	Holy Wellman	21/02/2023	3/20/2023	3/20/2023	<a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a> <a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a> <a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a>	0	NA	FPSPS	NA	NA
Pre-Discovery 42	CAPA	Sat WMP/06	CAPA_Sat_WMP-06_017	17	CAPA_Sat_WMP-06_017	a) Have you developed Public Safety Power Shutoff (PSPS) risk scores at the circuit-segment level? b) Have you developed Enhanced Proactive Safety Settings (EPSS) risk scores at the circuit segment level? c) If the answer to either part (a) or (b) is "no", please provide a spreadsheet file containing, as its headline, the most recent spread data for all circuit segments for which you evaluated PSPS or EPSS risk scores. Include the following attributes for each circuit segment: 1. Circuit Name 2. Circuit Segment Identification Number 3. Circuit Segment Length (miles) 4. Circuit Segment EPSS Risk Score (if applicable) 5. Circuit Segment EPSS Risk Score (if applicable) d) If the answer to either part (a) or (b) is "no", please provide a spreadsheet file that lists, for each circuit segment for which you evaluate PSPS or EPSS risk scores, include the following attributes for each circuit segment: 1. Circuit Name 2. Circuit Segment Identification Number 3. Circuit Segment Length (miles) 4. Circuit Segment EPSS Risk Score (if applicable) 5. Circuit Segment EPSS Risk Score (if applicable) e) If the answer to part (a) or (b) is "no", does PG&E have any other PSPS risk scores for circuit segments? f) If the answer to part (a) or (b) is "no", does PG&E have any other EPSS risk scores for circuit segments?	Holy Wellman	21/02/2023	3/20/2023	3/20/2023	<a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a> <a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a> <a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a>	2	NA	PSPS/EPSS	NA	NA
Pre-Discovery 43	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	1	CPUC - SPD (Safety Policy Division)_001_01	REFCL Inquiries: REFCL that California Circuit Segment ID 110213531 a) Describe how staged fault testing is performed to be conducted. b) Explain how REFCL uses other momentum faults and how REFCL deenergizes line for permanent faults. c) Explain which data was used for RefCL. 2. REFCL mitigates. d) Explain any other factors that may be impacting RefCL. e) Explain how REFCL is not performed mitigation for transient deployment and confirm PG&E no longer plans to head REFCL. 2. Mitigations per year for REFCL. f) Explain RefCL mitigation program for each REFCL mitigation. g) Explain RefCL mitigation program for each REFCL mitigation. h) Explain RefCL mitigation program for each REFCL mitigation. i) Explain RefCL mitigation program for each REFCL mitigation. j) Explain RefCL mitigation program for each REFCL mitigation. k) Explain RefCL mitigation program for each REFCL mitigation. l) Explain RefCL mitigation program for each REFCL mitigation. m) Explain RefCL mitigation program for each REFCL mitigation. n) Explain RefCL mitigation program for each REFCL mitigation. o) Explain RefCL mitigation program for each REFCL mitigation. p) Explain RefCL mitigation program for each REFCL mitigation. q) Explain RefCL mitigation program for each REFCL mitigation. r) Explain RefCL mitigation program for each REFCL mitigation. s) Explain RefCL mitigation program for each REFCL mitigation. t) Explain RefCL mitigation program for each REFCL mitigation. u) Explain RefCL mitigation program for each REFCL mitigation. v) Explain RefCL mitigation program for each REFCL mitigation. w) Explain RefCL mitigation program for each REFCL mitigation. x) Explain RefCL mitigation program for each REFCL mitigation. y) Explain RefCL mitigation program for each REFCL mitigation. z) Explain RefCL mitigation program for each REFCL mitigation.	Wendy Alkaidat	22/03/2023	3/20/2023	3/20/2023	<a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a> <a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a> <a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a>	0	NA	8.1.8.1.3	Grid Operations and Procedures	Strategy of Other Emerging Technologies (e.g., Rapid Earth Fault Current Limiters)
Pre-Discovery 44	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	2	CPUC - SPD (Safety Policy Division)_001_02	CPUC & Supporting Technologies (CCD & Partial Voltage Detection) Inquiries: a) Explain the activities planned to mitigate EPSS liability impacts. b) Explain the activities planned to mitigate EPSS liability impacts. c) Explain the activities planned to mitigate EPSS liability impacts. d) Explain the activities planned to mitigate EPSS liability impacts. e) Explain the activities planned to mitigate EPSS liability impacts. f) Explain the activities planned to mitigate EPSS liability impacts. g) Explain the activities planned to mitigate EPSS liability impacts. h) Explain the activities planned to mitigate EPSS liability impacts. i) Explain the activities planned to mitigate EPSS liability impacts. j) Explain the activities planned to mitigate EPSS liability impacts. k) Explain the activities planned to mitigate EPSS liability impacts. l) Explain the activities planned to mitigate EPSS liability impacts. m) Explain the activities planned to mitigate EPSS liability impacts. n) Explain the activities planned to mitigate EPSS liability impacts. o) Explain the activities planned to mitigate EPSS liability impacts. p) Explain the activities planned to mitigate EPSS liability impacts. q) Explain the activities planned to mitigate EPSS liability impacts. r) Explain the activities planned to mitigate EPSS liability impacts. s) Explain the activities planned to mitigate EPSS liability impacts. t) Explain the activities planned to mitigate EPSS liability impacts. u) Explain the activities planned to mitigate EPSS liability impacts. v) Explain the activities planned to mitigate EPSS liability impacts. w) Explain the activities planned to mitigate EPSS liability impacts. x) Explain the activities planned to mitigate EPSS liability impacts. y) Explain the activities planned to mitigate EPSS liability impacts. z) Explain the activities planned to mitigate EPSS liability impacts.	Wendy Alkaidat	22/03/2023	3/20/2023	3/20/2023	<a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a> <a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a> <a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a>	0	NA	8.1.8.1.4	Grid Operations and Procedures	Protective Equipment and Device Settings
Pre-Discovery 45	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	3	CPUC - SPD (Safety Policy Division)_001_03	EPSS & REFCL Inquiries: EPSS vs REFCL - Describe the major similarities and differences. What are advantages and disadvantages? a) In terms of capacity, selectivity, and reliability? b) What are the risk profiles of existing systems on PG&E's system and how does REFCL & EPSS mitigate these risks? c) Comparison of REFCL vs EPSS & Other Mitigation - Explain how these could work together, and PG&E's current approach to using EPSS & REFCL in tandem. d) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. e) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. f) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. g) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. h) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. i) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. j) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. k) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. l) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. m) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. n) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. o) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. p) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. q) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. r) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. s) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. t) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. u) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. v) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. w) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. x) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. y) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults. z) Explain the effectiveness of existing EPSS & REFCL including how they are used on high impedance faults.	Wendy Alkaidat	22/03/2023	3/20/2023	3/20/2023	<a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a> <a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a> <a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a>	0	NA	8.1.8.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
Pre-Discovery 46	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	4	CPUC - SPD (Safety Policy Division)_001_04	Standard risk reduction inquiry: What is PG&E's goal for long-term risk reduction, particularly reduction of likelihood of ignition and also reduction of consequences, for circuits in HFTDs that are not underground?	Wendy Alkaidat	22/03/2023	3/20/2023	3/20/2023	<a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a> <a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a> <a href="https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback">https://www.pge.com/globe/global/customer-support/feedback-center/submit-feedback</a>	0	NA	7.2.1	Wildfire Mitigation Strategy Document	Overview of Mitigation Initiatives and Activities

Pre-Discovery 47	Green Power Institute (GPI)	001	Green Power Institute (GPI)_001	1	Green Power Institute (GPI)_001_01	<p>Please provide PG&amp;E's Pre-Submission 2023-2025 WMP Base Plan filed for January 13, 2023, with the OCS for the 2023 WMP Guidelines and Schedule document, including all attachments and associated supporting documents required for the Pre-Submission 2023-2025 WMP Base Plan filing.</p>	<p>PG&amp;E has designated the entire pre-submission as confidential to align with Energy Safety's pre-submission process and addresses which stipulates that the pre-submission documents are not to be made public. In addition, the pre-submission contains confidential information for individuals that is considered confidential.</p> <p>As noted in our correspondence to you on March 8th and March 10th, we can provide you with a copy of the pre-submission documentation that is not subject to public release under a non-disclosure agreement. Alternatively, we will be submitting our final 2023-2025 WMP Mitigation Plan (WMP) for public review on March 27, 2023 if you prefer to wait for a copy of the completed WMP following Energy Safety's compliance check. Please feel free to reach out to us to discuss how you would prefer to proceed.</p>	Zoe Harrod	3/1/2023	3/14/2023	3/14/2023	<a href="http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-01.pdf">http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-01.pdf</a> <a href="http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-02.pdf">http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-02.pdf</a> <a href="http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-03.pdf">http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-03.pdf</a>	0	NA	AS	AS	AS
Pre-Discovery 48	CaPA	Set WMP-37	CaPA_Set WMP-37_01	1	CaPA_Set WMP-37_01	<p>Please provide a copy of each WMP Update-related document, submission, or report you submit to the Office of Energy Infrastructure Safety (Energy Safety) in 2024 or 2025 that is related to your 2025 WMP Update. Provide the copy to Cal Advocates within one business day of the document's submission to Energy Safety. If you have submitted a document to Energy Safety prior to this date request, please provide a copy as soon as possible and no later than 10 business days from the issuance of the OCS.</p> <p>This request is limited to materials or documents that (1) are related to work plans, violation logs, risk models, risk-based efficiency (RBE) calculations, cost/benefit or cost-benefit calculations, or WMP change orders; and (2) are provided to Energy Safety to provide additional detail or context concerning information or statements in your WMP and any subsequent revisions or change orders affecting your WMP.</p>	<p>PG&amp;E objects to the instructions or definitions in the set of data requests entitled "Additional Data (2023-2025 WMP)" that request to request any obligations greater than those provided by the applicable rules and decisions of the Commission and any other applicable orders, rules, or laws setting the regulatory authority and jurisdiction of the Commission. In particular, PG&amp;E objects to the instruction that requests to place a further on the requesting party to reach to the requesting party to respond to any unclear questions, definitions, or restrictions. The duty to prepare precise and well-defined instructions, definitions, and requests is on the party making the request and is not shared by the responding party. Additionally, PG&amp;E objects to the instruction that PG&amp;E must "highlight the key" and "provide a list of the key" information in the responses to the requests as well as the provision of a sample extracted list of numerous individuals working together from different departments of the company if the requested party does not have the capacity to respond to the requests about a key response. It may do so by contacting the appropriate individuals in the Regulatory Division or Law Department upon whom the request was based.</p> <p>PG&amp;E also objects to the following definition:</p> <p>The definition of "Update" or "revision" which are overbroad and burdensome to the extent they request materials that "mention, or are connected with, in any way" PG&amp;E documents, OR, Communications, 2021-2021 Page 2</p> <p>Key "the subject of the data request."</p> <p>The definition of the terms "document," "documents," and "documentary materials" which include "correspondence" and "communications," making these terms overbroad, unduly burdensome, and not reasonably calculated to lead to the discovery of admissible evidence in this proceeding.</p> <p>The definition of the phrase "rules of the game," which is overbroad and burdensome to the extent it requests "rules, rules, orders, regulations, orders, administrative, consideration, study, report, and analysis..."</p> <p>ADDITIONALLY:</p> <p>In addition to all general objections, PG&amp;E specifically objects to this request on the grounds that it is overly burdensome. PG&amp;E further objects to this request as the information requested is overly broad, unduly burdensome, and overbroad. PG&amp;E further objects to the request on the grounds that it seeks to impose a continuing response obligation on the responding party. Continuing discovery obligations are not permitted under California law. Blinn v. Exxon Mobil Corp., 12 CA App 4th 1115, 1128 (2014). Code Civ. Proc., § 2023 (2019). Nonenforcement of these obligations. PG&amp;E responds as follows:</p> <p>We will file our best to provide the requested information within the requested timeframe, or as soon as possible thereafter. However, please note that due to the timing and extensive nature of our submissions to Energy Safety, it may not always be possible to provide the requested information as soon as it is reasonably possible.</p> <p>Additionally, with the exception of confidential and spend data, please note that we post our WMP-related submissions to our website, www.pge.com/energyandenvironment. Similarly, all submissions to Energy Safety are also posted to the relevant section on our Energy Safety website, www.pge.com/energyandenvironment, and are made publicly available within one business day of submission. Public email notification of availability of these documents is sent to all parties who subscribe to the website lists for these data.</p>	Holy Waterman	3/30/2023	4/3/2024	4/3/2024	<a href="http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-04.pdf">http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-04.pdf</a> <a href="http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-05.pdf">http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-05.pdf</a>	0	NA	NA	NA	NA
Pre-Discovery 49	CaPA	Set WMP-37	CaPA_Set WMP-37_02	2	CaPA_Set WMP-37_02	<p>Provide a copy of all documents or files that are referenced in your WMP Quarterly Data Reports and submitted to Energy Safety (including but not limited to all PDFs, spreadsheets, files, non-spend data files, and confidential attachments), with one business day of the document's submission to Energy Safety.</p>	<p>PG&amp;E is providing the requested distribution information at the circuit level in attachment "WMP-Discovery-2023-2025_OIR_California-2023-001-WMP-Data" included in the table below are notes that document discrepancies in the methodology for data collection. Where we have not included any notes, the data provided did not require additional clarification in answering the request. For purposes of this request, "Other HFTD" refers to Zone 1 areas. Please note that our SAIDI, SAIFI, and SAIFI data is not available at this time. The data will be available following the finalization of our Annual Reliability Report on July 15, 2024.</p> <p>Base data provided in response to the request was generated from PG&amp;E's Geographic Information Systems (GIS) and presented in a spreadsheet format. PG&amp;E's Electric Transmission GIS and Electric Distribution GIS mapping systems represent assets associated with construction work when that work has been received and inspected by electric GIS mapping technicians. Construction data that are available complete or fully complete may be required in the GIS systems once construction is built information has been submitted and accepted by the GIS Mapping Department.</p> <p>Prior to being received by the GIS Mapping Department, completed job packages must undergo several processing steps including internal review, processing, and approval. However, sometimes completed job packages require additional information from the field or post-constructing work. The processing time takes time to complete. Use a project is completed and mapped, detailed information remains in the design systems and paper job packages. Therefore, completed field work is not always reflected in the current GIS systems. Please note that circuit segments are not defined on an enterprise level such that the asset information produced from EDCS can be produced on a construction level.</p> <p>Once data is received in PG&amp;E's GIS systems, it can be formatted to meet the requirements of the Office of Energy Infrastructure Safety (Energy Safety) File Distribution Note.</p> <p>Other information in Some circuits can have multiple voltages. Where the circuit, the circuit voltage in columns reflects the voltage of the majority of the circuit based on circuit miles.</p>	Holy Waterman	3/30/2023	4/3/2024	4/3/2024	<a href="http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-06.pdf">http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-06.pdf</a> <a href="http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-07.pdf">http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-07.pdf</a>	0	NA	NA	NA	NA
Pre-Discovery 50	CaPA	Set WMP-37	CaPA_Set WMP-37_03	3	CaPA_Set WMP-37_03	<p>Provide a copy to Cal Advocates of all your confidential responses to WMP discovery requests, on the same basis as those that you used to respond to the document's request. This includes:</p> <p>(a) Confidential responses to WMP discovery requests issued by Energy Safety.</p> <p>(b) Confidential responses to WMP discovery requests issued by other entities.</p>	<p>PG&amp;E is providing the requested distribution information at the circuit level in attachment "WMP-Discovery-2023-2025_OIR_California-2023-001-WMP-Data" included in the table below are notes that document discrepancies in the methodology for data collection. Where we have not included any notes, the data provided did not require additional clarification in answering the request. For purposes of this request, "Other HFTD" refers to Zone 1 areas. Please note that our SAIDI, SAIFI, and SAIFI data is not available at this time. The data will be available following the finalization of our Annual Reliability Report on July 15, 2024.</p> <p>Base data provided in response to the request was generated from PG&amp;E's Geographic Information Systems (GIS) and presented in a spreadsheet format. PG&amp;E's Electric Transmission GIS and Electric Distribution GIS mapping systems represent assets associated with construction work when that work has been received and inspected by electric GIS mapping technicians. Construction data that are available complete or fully complete may be required in the GIS systems once construction is built information has been submitted and accepted by the GIS Mapping Department.</p> <p>Prior to being received by the GIS Mapping Department, completed job packages must undergo several processing steps including internal review, processing, and approval. However, sometimes completed job packages require additional information from the field or post-constructing work. The processing time takes time to complete. Use a project is completed and mapped, detailed information remains in the design systems and paper job packages. Therefore, completed field work is not always reflected in the current GIS systems. Please note that circuit segments are not defined on an enterprise level such that the asset information produced from EDCS can be produced on a construction level.</p> <p>Once data is received in PG&amp;E's GIS systems, it can be formatted to meet the requirements of the Office of Energy Infrastructure Safety (Energy Safety) File Distribution Note.</p> <p>Other information in Some circuits can have multiple voltages. Where the circuit, the circuit voltage in columns reflects the voltage of the majority of the circuit based on circuit miles.</p>	Holy Waterman	3/30/2023	4/3/2024	4/3/2024	<a href="http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-08.pdf">http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-08.pdf</a> <a href="http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-09.pdf">http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-09.pdf</a>	0	NA	NA	NA	NA
Pre-Discovery 51	CaPA	Set WMP-38	CaPA_Set WMP-38_01	1	CaPA_Set WMP-38_01	<p>Provide an Excel table of all distribution circuit assignments existing as of January 1, 2024 that includes the following information in separate columns: (a) PG&amp;E is unable to provide some or all of the requested information at the circuit-segment level; provide such data at the circuit level instead and explain why PG&amp;E is unable to provide circuit-segment level data.</p> <p>(a) Circuit segment name</p> <p>(b) Circuit name</p> <p>(c) Circuit miles</p> <p>(d) Total circuit miles</p> <p>(e) Circuit miles in Non-HFTD</p> <p>(f) Circuit miles in Other HFTD</p> <p>(g) Circuit miles in HFTD Tar 2</p> <p>(h) Circuit miles in HFTD Tar 3</p> <p>(i) Circuit voltage</p> <p>(j) Total customer-minutes of de-energization on the circuit due to PSPS events in 2023 (all PSPS events)</p> <p>(k) Number of support structures inspected in Other HFTD in 2023</p> <p>(l) Number of covered conductors installed in Other HFTD in 2023</p> <p>(m) Miles of covered conductors installed in Other HFTD Tar 2 in 2023</p> <p>(n) Miles of covered conductors installed in Other HFTD Tar 3 in 2023</p> <p>(o) Number of poles replaced in Other HFTD in 2023</p> <p>(p) Number of poles replaced in Other HFTD Tar 2 in 2023</p> <p>(q) Number of poles replaced in Other HFTD Tar 3 in 2023</p> <p>(r) Miles of underground conductor installation in Non-HFTD in 2023</p> <p>(s) Miles of underground conductor installation in Other HFTD in 2023</p> <p>(t) Miles of underground conductor installation in HFTD Tar 2 in 2023</p> <p>(u) Miles of underground conductor installation in HFTD Tar 3 in 2023</p> <p>(v) Miles of LDIAR inspection in Other HFTD in 2023</p> <p>(w) Miles of LDIAR inspection in Other HFTD Tar 2 in 2023</p> <p>(x) Miles of LDIAR inspection in Other HFTD Tar 3 in 2023</p> <p>(y) Number of disabled climbing inspections in Non-HFTD in 2023 (specify units)</p> <p>(z) Number of disabled climbing inspections in Other HFTD in 2023 (specify units)</p>	<p>PG&amp;E is providing the requested distribution information at the circuit level in attachment "WMP-Discovery-2023-2025_OIR_California-2023-001-WMP-Data" included in the table below are notes that document discrepancies in the methodology for data collection. Where we have not included any notes, the data provided did not require additional clarification in answering the request. For purposes of this request, "Other HFTD" refers to Zone 1 areas. Please note that our SAIDI, SAIFI, and SAIFI data is not available at this time. The data will be available following the finalization of our Annual Reliability Report on July 15, 2024.</p> <p>Base data provided in response to the request was generated from PG&amp;E's Geographic Information Systems (GIS) and presented in a spreadsheet format. PG&amp;E's Electric Transmission GIS and Electric Distribution GIS mapping systems represent assets associated with construction work when that work has been received and inspected by electric GIS mapping technicians. Construction data that are available complete or fully complete may be required in the GIS systems once construction is built information has been submitted and accepted by the GIS Mapping Department.</p> <p>Prior to being received by the GIS Mapping Department, completed job packages must undergo several processing steps including internal review, processing, and approval. However, sometimes completed job packages require additional information from the field or post-constructing work. The processing time takes time to complete. Use a project is completed and mapped, detailed information remains in the design systems and paper job packages. Therefore, completed field work is not always reflected in the current GIS systems. Please note that circuit segments are not defined on an enterprise level such that the asset information produced from EDCS can be produced on a construction level.</p> <p>Once data is received in PG&amp;E's GIS systems, it can be formatted to meet the requirements of the Office of Energy Infrastructure Safety (Energy Safety) File Distribution Note.</p> <p>Other information in Some circuits can have multiple voltages. Where the circuit, the circuit voltage in columns reflects the voltage of the majority of the circuit based on circuit miles.</p>	Holy Waterman	3/30/2023	4/19/2024	4/19/2024	<a href="http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-10.pdf">http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-10.pdf</a> <a href="http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-11.pdf">http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-11.pdf</a>	4	NA	8	Section 8.1.3 - Asset Inspection	8.1.3.2 Asset Inspections - Distribution
Pre-Discovery 52	CaPA	Set WMP-38	CaPA_Set WMP-38_02	2	CaPA_Set WMP-38_02	<p>Provide an Excel table of all transmission circuit assignments existing as of January 1, 2024 (in rows) that includes the following information in separate columns:</p> <p>(a) Circuit name</p> <p>(b) Circuit ID number</p> <p>(c) Total circuit miles</p> <p>(d) Circuit miles in Non-HFTD</p> <p>(e) Circuit miles in Other HFTD</p> <p>(f) Circuit miles in HFTD Tar 2</p> <p>(g) Circuit miles in HFTD Tar 3</p> <p>(h) Circuit voltage</p> <p>(i) Total customer-minutes of de-energization on the circuit due to PSPS events in 2023 (all PSPS events)</p> <p>(j) Customer-minutes of de-energization on the circuit due to lightning settings in 2023</p> <p>(k) Number of support structures inspected in Other HFTD in 2023</p> <p>(l) Number of support structures inspected in Other HFTD Tar 2 in 2023</p> <p>(m) Number of support structures inspected in Other HFTD Tar 3 in 2023</p> <p>(n) Miles of underground conductor installation in Non-HFTD in 2023</p> <p>(o) Miles of underground conductor installation in Other HFTD in 2023</p> <p>(p) Miles of underground conductor installation in HFTD Tar 2 in 2023</p> <p>(q) Miles of underground conductor installation in HFTD Tar 3 in 2023</p> <p>(r) Miles of LDIAR inspection in Other HFTD in 2023</p> <p>(s) Miles of LDIAR inspection in Other HFTD Tar 2 in 2023</p> <p>(t) Miles of LDIAR inspection in Other HFTD Tar 3 in 2023</p> <p>(u) Number of disabled climbing inspections in Non-HFTD in 2023 (specify units)</p> <p>(v) Number of disabled climbing inspections in Other HFTD in 2023 (specify units)</p> <p>(w) Number of disabled climbing inspections in Other HFTD Tar 2 in 2023 (specify units)</p> <p>(x) Number of disabled climbing inspections in Other HFTD Tar 3 in 2023 (specify units)</p> <p>(y) Number of disabled climbing inspections in Other HFTD in 2023 (specify units)</p> <p>(z) Number of disabled climbing inspections in Other HFTD Tar 2 in 2023 (specify units)</p> <p>(aa) Number of disabled climbing inspections in Other HFTD Tar 3 in 2023 (specify units)</p> <p>(ab) Number of disabled ground-based inspections in Other HFTD in 2023 (specify units)</p> <p>(ac) Number of disabled ground-based inspections in Other HFTD Tar 2 in 2023 (specify units)</p> <p>(ad) Number of disabled ground-based inspections in Other HFTD Tar 3 in 2023 (specify units)</p>	<p>PG&amp;E is providing the requested distribution information at the circuit level in attachment "WMP-Discovery-2023-2025_OIR_California-2023-001-WMP-Data" included in the table below are notes that document discrepancies in the methodology for data collection. Where we have not included any notes, the data provided did not require additional clarification in answering the request. For purposes of this request, "Other HFTD" refers to Zone 1 areas.</p> <p>Base data provided in response to the request was generated from PG&amp;E's Geographic Information Systems (GIS) and presented in a spreadsheet format. PG&amp;E's Electric Transmission GIS and Electric Distribution GIS mapping systems represent assets associated with construction work when that work has been received and inspected by electric GIS mapping technicians. Construction data that are available complete or fully complete may be required in the GIS systems once construction is built information has been submitted and accepted by the GIS Mapping Department.</p> <p>Prior to being received by the GIS Mapping Department, completed job packages must undergo several processing steps including internal review, processing, and approval. However, sometimes completed job packages require additional information from the field or post-constructing work. The processing time takes time to complete. Use a project is completed and mapped, detailed information remains in the design systems and paper job packages. Therefore, completed field work is not always reflected in the current GIS systems. Please note that circuit segments are not defined on an enterprise level such that the asset information produced from EDCS can be produced on a construction level.</p> <p>Once data is received in PG&amp;E's GIS systems, it can be formatted to meet the requirements of the Office of Energy Infrastructure Safety (Energy Safety) File Distribution Note.</p> <p>Other information in Some circuits can have multiple voltages. Where the circuit, the circuit voltage in columns reflects the voltage of the majority of the circuit based on circuit miles.</p> <p>De-Energization - PSPS (As previously stated in our PSPS Post Event De-Energization reports submitted to the CERC):</p> <p>The information, times and figures reflected in this report are based on the best available information available at the time of this report's submission.</p>	Holy Waterman	3/30/2023	4/19/2024	4/19/2024	<a href="http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-12.pdf">http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-12.pdf</a> <a href="http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-13.pdf">http://www.acea.com/wp-content/uploads/2023/03/WMP-2023-2025-Base-Plan-Filing-13.pdf</a>	0	NA	8	Section 8.1.3 - Asset Inspection	8.1.1 Asset Inspections - Transmission

Pre-Discovery 53	CAIPA	Sat WMP-38	CAIPA_Sat_WMP-38_03	3	CAIPA_Sat_WMP-38_03	<p>Please see attachment WMP-Discovery2023-2025_DR_California_038-00004001.xlsx, which provides information regarding removal of primary distribution lines as of 1/1/2023, as well as the underground miles installed, which is a subset of the requested information available in this file. This response is generally consistent with the one you provided last year in response to the same question (California_PGE_2023WMP-03). The information provided is specific to projects within PGE's 2023-2025 WMP relative to CAIPA (System Hardware). However, there may be additional circuits that were removed or decommissioned, either partially or entirely, outside of the System Hardware program (e.g. via maintenance and construction).</p> <p>Discretely, PGESE did not track line removals when allocating overhead to underground retreating distribution circuits, or recording this in its HFTD. However, based on the 2023 GRC Decision (G1-23-1065 OPD), PGESE is preparing to report the 2023 miles of overhead lines removed using underground programs. PGESE is currently reviewing the System Hardware Accounting System which will be distributed to the GRC service territory in 2024. For purposes of this request, the information has been included.</p> <p>Underground miles installed by project in 2023. A conversion factor of 0.1 mile of overhead line removed is 1.2 miles of underground line installed. This conversion factor was adopted by the CPUC in GRC 23-101. Conversion factors are provided in the attached file. Below we provide additional information to clarify the data provided in the attachment in response to the request:</p> <p>a) Circuit name, please see column C  b) Circuit ID number  c) Circuit miles removed or decommissioned in Non-HFTD  d) Circuit miles removed or decommissioned in Other HFTD  e) Circuit miles removed or decommissioned in HFTD Tier 1  f) Circuit miles removed or decommissioned in HFTD Tier 2  g) Reason(s) for removal or decommissioning</p>	Holy Wetman	3/20/2023	4/19/2024	4/19/2024	<a href="https://www.pge.com/~/media/Files/2023/04/19/2023-04-19-CAIPA-Response-038-00004001.xlsx">https://www.pge.com/~/media/Files/2023/04/19/2023-04-19-CAIPA-Response-038-00004001.xlsx</a>	1	NA	8	Section 8.1.3 - Asset Inspection	8.1.3.2 Asset Inspections - Distribution	
Pre-Discovery 54	CAIPA	Sat WMP-38	CAIPA_Sat_WMP-38_04	4	CAIPA_Sat_WMP-38_04	<p>Please see attachment WMP-Discovery2023-2025_DR_California_038-00004001.xlsx for the requested information.</p> <p>ATTACHMENT 1  WMP-Discovery2023-2025_DR_California_038-00004001.xlsx</p>	Holy Wetman	3/20/2023	4/19/2024	4/19/2024	<a href="https://www.pge.com/~/media/Files/2023/04/19/2023-04-19-CAIPA-Response-038-00004001.xlsx">https://www.pge.com/~/media/Files/2023/04/19/2023-04-19-CAIPA-Response-038-00004001.xlsx</a>	1	NA	8	Section 8.1.3 - Asset Inspection	8.1.3.1 Asset Inspections - Transmission	
Pre-Discovery 55	MGRA	008	MGRA_Data_Request_No. 8	1	MGRA_Data_Request_No. 8_C1	<p>GENERAL STATEMENT REGARDING RESPONSE TO QUESTION 1 THROUGH 6 in response to questions 1 through 6 of the last of data requests. PGESE is providing non-confidential data from the 2023 Office of Energy Infrastructure and Safety (Energy Safety) Geographic Information System (GIS) Data Standard submissions, as requested by the requesting party. Due to the high volume of records in our submission, approximately 1.5 million records, each record's individual record review for confidential data is neither feasible nor practical. The feature classes and related tables included in the submission are not edited and change each year. Additionally, the interrelated aspect of feature class data and the geospatial representation of the data creates complexities in identifying the confidentiality of individual records and introduces additional risk to PGESE of applying confidentiality designations at the feature class and record level. PGESE is providing a sample of the data to assist the requester in identifying records. Each batch was used to identify non-confidential records. PGESE has identified records that are not subject to internal purposes only and shared access to a read-only view.</p> <p>In response to this request, PGESE is providing Current and Weather Station data, as delivered in the 2023 Energy Safety GIS Data Standard Submissions. PGESE is also providing confidential data for the Support Structure class. As requested, WMP-Discovery2023-2025_DR_MGRA_038-00014601 Page 2  PGESE is not providing data for the Data Standard class as the data is confidential critical energy infrastructure information (CEI).  Please see attachment WMP-Discovery2023-2025_DR_MGRA_038-00014601.xlsx for the data provided in response to this data request.</p>	Joseph Michael	3/1/2023	4/5/2024	4/5/2024	<a href="https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-038-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-038-00014601.xlsx</a>	1	NA	8	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filing Asset Inventory Data
Pre-Discovery 55	MGRA	Data Request No. 8	MGRA_Data_Request_No. 8	161	MGRA_Data_Request_No. 8_G1(x)	<p>GIS Data  Please provide the GIS data set provided to the Office of Energy Infrastructure Safety for Q1-CA 2023.  Please remove any confidential attributes that may have been added to the requested records.  Please provide for Asset Point data for Current, Fuse, Support Structure, and Weather Station.</p>	Joseph Michael	3/1/2023	4/22/2024	4/22/2024	<a href="https://www.pge.com/~/media/Files/2023/04/22/2023-04-22-CAIPA-Response-038-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/22/2023-04-22-CAIPA-Response-038-00014601.xlsx</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filing Asset Inventory Data	
Pre-Discovery 56	MGRA	008	MGRA_Data_Request_No. 8	2	MGRA_Data_Request_No. 8_G2	<p>Please provide Asset Line data for Transmission Line (as permitted as non-confidential), Primary Distribution Line, and Secondary Distribution Line.</p>	Joseph Michael	3/1/2023	4/5/2024	4/5/2024	<a href="https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-038-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-038-00014601.xlsx</a>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filing Asset Inventory Data	
Pre-Discovery 56	MGRA	Data Request No. 8	MGRA_Data_Request_No. 8	216	MGRA_Data_Request_No. 8_G2(x)	<p>Please provide Asset Line data for Transmission Line (as permitted as non-confidential), Primary Distribution Line, and Secondary Distribution Line.</p>	Joseph Michael	3/1/2023	4/22/2024	4/22/2024	<a href="https://www.pge.com/~/media/Files/2023/04/22/2023-04-22-CAIPA-Response-038-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/22/2023-04-22-CAIPA-Response-038-00014601.xlsx</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filing Asset Inventory Data	
Pre-Discovery 57	MGRA	008	MGRA_Data_Request_No. 8	3	MGRA_Data_Request_No. 8_G3	<p>Please provide PPS Event data, including Event Log, Event Line, Event Polygon data. Please exclude customer meter data. Provide all PPS Event Alarm Damage data including photos.</p>	Joseph Michael	3/1/2023	4/5/2024	4/5/2024	<a href="https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-038-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-038-00014601.xlsx</a>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filing Asset Inventory Data	
Pre-Discovery 57	MGRA	Data Request No. 8	MGRA_Data_Request_No. 8	351	MGRA_Data_Request_No. 8_G3(x)	<p>Please provide PPS Event data, including Event Log, Event Line, Event Polygon data. Please exclude customer meter data. Provide all PPS Event Alarm Damage data including photos.</p>	Joseph Michael	3/1/2023	4/22/2024	4/22/2024	<a href="https://www.pge.com/~/media/Files/2023/04/22/2023-04-22-CAIPA-Response-038-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/22/2023-04-22-CAIPA-Response-038-00014601.xlsx</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filing Asset Inventory Data	
Pre-Discovery 58	MGRA	008	MGRA_Data_Request_No. 8	4	MGRA_Data_Request_No. 8_G4	<p>Please provide Risk Event Point data, including Wire Down, Ignition, Transmission Tower Failure, Insulator Failure, Distribution Undermined Outage, Distribution Vegetation Caused Unplanned Outage, Risk Event Alarm Log.</p>	Joseph Michael	3/1/2023	4/5/2024	4/5/2024	<a href="https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-038-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-038-00014601.xlsx</a>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filing Asset Inventory Data	
Pre-Discovery 58	MGRA	Data Request No. 8	MGRA_Data_Request_No. 8	491	MGRA_Data_Request_No. 8_G4(x)	<p>Please provide for Asset Point data for Current, Fuse, Support Structure, and Weather Station.</p>	Joseph Michael	3/1/2023	4/22/2024	4/22/2024	<a href="https://www.pge.com/~/media/Files/2023/04/22/2023-04-22-CAIPA-Response-038-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/22/2023-04-22-CAIPA-Response-038-00014601.xlsx</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filing Asset Inventory Data	
Pre-Discovery 59	MGRA	008	MGRA_Data_Request_No. 8	5	MGRA_Data_Request_No. 8_G5	<p>Under Intentional, please provide Grid Hardening data, including Hardening Log, Hardening Point, and Hardening Line data. Inspection data is not requested in this file.</p>	Joseph Michael	3/1/2023	4/5/2024	4/5/2024	<a href="https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-038-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-038-00014601.xlsx</a>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filing Asset Inventory Data	
Pre-Discovery 59	MGRA	Data Request No. 8	MGRA_Data_Request_No. 8	561	MGRA_Data_Request_No. 8_G5(x)	<p>Under Intentional, please provide Grid Hardening data, including Hardening Log, Hardening Point, and Hardening Line data. Inspection data is not requested in this file.</p>	Joseph Michael	3/1/2023	4/22/2024	4/22/2024	<a href="https://www.pge.com/~/media/Files/2023/04/22/2023-04-22-CAIPA-Response-038-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/22/2023-04-22-CAIPA-Response-038-00014601.xlsx</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filing Asset Inventory Data	
Pre-Discovery 60	MGRA	008	MGRA_Data_Request_No. 8	6	MGRA_Data_Request_No. 8_G6	<p>Under Other Required Data, please provide Red Flag Warning Day polygon data.</p>	Joseph Michael	3/1/2023	4/5/2024	4/5/2024	<a href="https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-038-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-038-00014601.xlsx</a>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filing Asset Inventory Data	
Pre-Discovery 60	MGRA	Data Request No. 8	MGRA_Data_Request_No. 8	661	MGRA_Data_Request_No. 8_G6(x)	<p>Under Other Required Data, please provide Red Flag Warning Day polygon data.</p>	Joseph Michael	3/1/2023	4/22/2024	4/22/2024	<a href="https://www.pge.com/~/media/Files/2023/04/22/2023-04-22-CAIPA-Response-038-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/22/2023-04-22-CAIPA-Response-038-00014601.xlsx</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Progress on Filing Asset Inventory Data	
Pre-Discovery 61	MGRA	008	MGRA_Data_Request_No. 8	7	MGRA_Data_Request_No. 8_G7	<p>Please provide a layer indicating calculated circuit-level risk using the methodology presented in the WMP. If independent probability and consequence layers exist, please provide these independently as well.</p>	Joseph Michael	3/1/2023	4/5/2024	4/5/2024	<a href="https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-038-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-038-00014601.xlsx</a>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Response Operators for Potential FuelOutages in the Highest Risk Areas	
Pre-Discovery 61	MGRA	Data Request No. 8	MGRA_Data_Request_No. 8	761	MGRA_Data_Request_No. 8_G7(x)	<p>Please provide a layer indicating calculated circuit-level risk using the methodology presented in the WMP. If independent probability and consequence layers exist, please provide these independently as well.</p>	Joseph Michael	3/1/2023	4/22/2024	4/22/2024	<a href="https://www.pge.com/~/media/Files/2023/04/22/2023-04-22-CAIPA-Response-038-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/22/2023-04-22-CAIPA-Response-038-00014601.xlsx</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-33 Response Operators for Potential FuelOutages in the Highest Risk Areas	
Pre-Discovery 62	CAIPA	Sat WMP-39	CAIPA_Sat_WMP-39_01	1	CAIPA_Sat_WMP-39_01	<p>PGESE historically has managed Quality Assurance (QA)/Quality Control (QC) within our individualized functional areas. In 2023, PGESE formalized its independent quality management system in support of the System Inspection and Vegetation Management functional areas. As a result, the response provided for 2023 aligns with data produced to validate 2023 commitments.</p> <p>Please see the eight attachments identified below for details of QA/QC performed for the following programs:  - Vegetation Management Route Distribution  - Vegetation Management Route Transmission  - System Inspection - Pole Class  - System Inspection - Distribution, and  - System Inspection - Transmission.</p>	Holy Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-039-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-039-00014601.xlsx</a>	8	NA	8	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)	
Pre-Discovery 63	CAIPA	Sat WMP-39	CAIPA_Sat_WMP-39_02	2	CAIPA_Sat_WMP-39_02	<p>Please identify and provide a copy of all quality assurance or quality control (QA/QC) reports conducted by external parties that have been completed since January 1, 2023 and that examined any programs, initiatives, or strategies described in your 2023-2025 Base WMP. External entities include, but are not limited to, consultants, contractors, vendors, non-employee workers, and independent evaluators.</p>	Holy Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-039-00014601.xlsx">https://www.pge.com/~/media/Files/2023/04/05/2023-04-05-CAIPA-Response-039-00014601.xlsx</a>	0	NA	8	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)	



Pre-Discovery 64	CaPA	Sat WMP-39	CaPA_Sat WMP-39	3	CaPA_Sat WMP-39_03	<p>Provides an Excel table of all defects in the year 2023 found by Energy Safety's Compliance Branch (as rows) that includes the following information in separate columns:</p> <ul style="list-style-type: none"><li>A) Associated circuit name</li><li>B) Defect type</li><li>C) Description of defect</li><li>D) WMP initiative (from your 2023-2025 WMP) associated with defect</li><li>E) Date that the defect was identified</li><li>F) Priority level of corresponding corrected job</li><li>G) The defect has not yet been corrected as of the issuance date of this data request; a brief explanation</li><li>H) Geographic labels of defect in decimal degrees, truncated to seven decimal places</li><li>I) Geographic labels of defect in decimal degrees, truncated to seven decimal places</li></ul>	<p>Please note the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration. Please see attachment "WMP-Discovery2023-2025_DR_CaMAdvocate_039-20584607CONF.xlsx" for the requested information.</p>	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333">https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333</a>	1	NA	11	Section 11 - Corrective Action Program	11.3 Corrective Action Program - Address finding from Energy Safety's Compliance Assurance Division (e.g., audit and review of detected and verified)
Pre-Discovery 65	CaPA	Sat WMP-39	CaPA_Sat WMP-39	4	CaPA_Sat WMP-39_04	<p>For each WMP initiative for which you forecast capital expenditures in 2025 to be at least two times actual capital expenditures in 2023, please provide:</p> <ul style="list-style-type: none"><li>a) The name of the initiative as it is identified in your 2023 WMP Update</li><li>b) The WMP initiative number in Table T1 of your 2023 WMP Update</li><li>c) The name of the initiative as it is identified in your 2023-2025 Base WMP</li><li>d) The WMP initiative number in Table T1 of your 2023-2025 Base WMP</li><li>e) An explanation for the projected increase.</li></ul>	<p>There are two WMP initiatives that fit the criteria requested above, where the forecasted capital expenditures in 2025 are at least two times the actual capital expenditures in 2023: (1) customer support in wildfire and PSPD emergencies; and (2) Traditional Overhead Hardening.</p> <ul style="list-style-type: none"><li>(1) Customer support in wildfire and PSPD emergencies</li><li>(2) Traditional Overhead Hardening</li></ul> <p>PG&amp;E is providing the name of the activity category in lieu of the initiative number for the initiative in "Customer Support in Wildfire and PSPD Emergencies".</p> <p>PG&amp;E is providing the name of the activity category in lieu of the initiative number for the initiative in "Traditional Overhead Hardening".</p> <ul style="list-style-type: none"><li>a) Name of initiative: Emergency Preparedness - Customer Support in Wildfire and PSPD Emergencies</li><li>b) WMP initiative number: 301</li><li>c) Name of initiative: Traditional Overhead Hardening</li><li>d) WMP initiative number: 21</li><li>e) An explanation for the projected increase. PG&amp;E is forecasting an increase of 200% in forecasted PSPD activities in 2025 and, therefore, the need to replace capital equipment (for example, phones, laptops, etc.) for the entire organization. This information is included in the response requested above, where the forecasted operating expenditures in 2025 are at least two times actual operating expenditures in 2023: (1) labor mitigation, (2) emergency, and (3) the nearest right-of-ways.</li></ul> <p>1. Labor Mitigation 2. Mergent 3. Fire-Resistant Right of Ways</p> <p>4) Vegetation Management and Inspection: Fuel in Mitigation</p> <p>Grid Design, Operations, and Maintenance/Inspection: Vegetation Management and Inspection - Fire Resistant Right of Ways</p> <p>5) PG&amp;E is providing the name of the activity category in lieu of the initiative number for this category in Table T1 of your 2023-2025 Base WMP Update.</p> <p>6) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>7) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>8) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>9) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>10) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p>	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333">https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333</a>	0	NA	4	Section 4 - Overview of WMP	4.3 Proposed Expenditures
Pre-Discovery 66	CaPA	Sat WMP-39	CaPA_Sat WMP-39	5	CaPA_Sat WMP-39_05	<p>For each WMP initiative for which you forecast operating expenditures in 2025 to be at least two times actual operating expenditures in 2023, please provide:</p> <ul style="list-style-type: none"><li>a) The name of the initiative as it is identified in your 2023 WMP Update</li><li>b) The WMP initiative number in Table T1 of your 2023 WMP Update</li><li>c) The name of the initiative as it is identified in your 2023-2025 Base WMP</li><li>d) The WMP initiative number in Table T1 of your 2023-2025 Base WMP</li><li>e) An explanation for the projected increase.</li></ul>	<p>There are two WMP initiatives that fit the criteria requested above, where the forecasted operating expenditures in 2025 are at least two times actual operating expenditures in 2023: (1) labor mitigation, (2) emergency, and (3) the nearest right-of-ways.</p> <p>1. Labor Mitigation 2. Mergent 3. Fire-Resistant Right of Ways</p> <p>4) Vegetation Management and Inspection: Fuel in Mitigation</p> <p>Grid Design, Operations, and Maintenance/Inspection: Vegetation Management and Inspection - Fire Resistant Right of Ways</p> <p>5) PG&amp;E is providing the name of the activity category in lieu of the initiative number for this category in Table T1 of your 2023-2025 Base WMP Update.</p> <p>6) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>7) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>8) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>9) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>10) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p>	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333">https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333</a>	0	NA	4	Section 4 - Overview of WMP	4.3 Proposed Expenditures
Pre-Discovery 67	CaPA	Sat WMP-39	CaPA_Sat WMP-39	6	CaPA_Sat WMP-39_06	<p>Please fill out the attached spreadsheet: CaMAdvocate-PGE-2023WMP-06 Attachment 1 requesting information regarding your asset inspections in 2023.</p>	<p>Please see attachment "WMP-Discovery2023-2025_DR_CaMAdvocate_039-20584607CONF.xlsx" for the requested information.</p>	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333">https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333</a>	1	NA	6	Section 8.1.3 - Asset Inspection	8.1.3 Asset Inspections
Pre-Discovery 68	CaPA	Sat WMP-39	CaPA_Sat WMP-39	7	CaPA_Sat WMP-39_07	<p>Please provide a list of any incidents in 2023 where the actions of a VM contractor posed a safety risk to workers and the public. "Safety risk" is defined as any occurrence on a worksite where the contractor's actions created a safety hazard for other workers or the general public. For each incident, please provide:</p> <ul style="list-style-type: none"><li>a) The date you were informed of the safety issue</li><li>b) The date the original work that created the safety issue was performed</li><li>c) Whether the safety issue concerned a transmission or distribution circuit</li><li>d) The vegetation management initiative involved in the original work</li><li>e) A brief description of the safety issue involved.</li></ul>	<p>Please note the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration. Please see attachment "WMP-Discovery2023-2025_DR_CaMAdvocate_039-20584607CONF.xlsx" for the requested information. Please note that the distribution and transmission contractor incidents are included in the attachment. These incidents are pulled from the Enterprise Contractor Incident Reports (TCIR) database.</p>	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333">https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333</a>	1	NA	8	Section 8.2 - Vegetation Management and Inspections	8.2 Vegetation Management and Inspections
Pre-Discovery 69	CaPA	Sat WMP-39	CaPA_Sat WMP-39	8	CaPA_Sat WMP-39_08	<p>In response to Data Request CaMAdvocate-PGE-2023WMP-08, Question 6, March 29, 2023, PG&amp;E provided its 2023 system hardening scoping for the categories referred to in parts (a)-(d) below. Please provide an updated version of the scoping with additional columns to report the actual system hardening work performed in each circuit segment in 2023 for each of these categories. Please add rows as needed to cover all circuit segments where PG&amp;E performed system hardening work in 2023. These circuit segments were not included in the original scoping.</p> <ul style="list-style-type: none"><li>a) Removal of overhead conductor</li><li>b) Removal of overhead conductor associated with remote grid work</li></ul>	<p>Please note the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration. Please see attachment "WMP-Discovery2023-2025_DR_CaMAdvocate_039-20584607CONF.xlsx" for the requested information.</p> <p>2024-2026 System Hardening scoping as well as the projects with completed system hardening work in 2023.</p> <p>The work associated with projects completed in 2023 can be found in the columns noted below:</p> <ul style="list-style-type: none"><li>a) Column Y (OH) - 2023 Complete Miles</li><li>b) Column AA (Removal) - 2023 Complete Miles. This includes all line removal of overhead conductor with remote grid work.</li><li>c) Column AB (Removal) - 2023 Complete Miles. This includes all line removal of overhead conductor with remote grid work.</li><li>d) Order 3929891 on CPZ Corning 110253184 in Tehama County</li><li>e) Order 3929898 on CPZ Maricopa 12125244 in Maricopa County; and</li><li>f) Order 3946601 on CPZ Fulton 1117804 in Sonoma County</li></ul> <p>For further details associated with these projects, please file column A by the order number/underground project.</p>	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333">https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333</a>	1	NA	8.1.2.5	System Hardening	NA
Pre-Discovery 70	CaPA	Sat WMP-39	CaPA_Sat WMP-39	9	CaPA_Sat WMP-39_09	<p>Provide your scoping that describes where and when 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 2025 and are expected to continue in 2025), or projects that are expected to be completed after 2025, please include the project and describe 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> <ul style="list-style-type: none"><li>a) Order number</li><li>b) NMT Code</li><li>c) Program</li><li>d) Circuit ID number</li><li>e) Circuit segment name or ID number (if the project affects more than one circuit segment, please identify each one)</li><li>f) Relevant wildfire risk score(s) from the wildfire risk model that you are using to estimate distribution risk in your 2024 WMP Update</li><li>g) The expected start date of the project</li><li>h) The expected actual start date of the project</li><li>i) Length (in circuit miles) of overhead conductor to be installed in 2024</li><li>j) Length (in circuit miles) of overhead conductor to be permanently removed in 2025 and replaced by underground conductor (i.e., the length of overhead conductor to be permanently removed in 2025 and replaced by underground conductor that may offer safety from the previous section as well as offering overhead and underground) routes</li><li>k) Length (in circuit miles) of overhead conductor to be permanently removed in 2025 and not replaced with overhead conductor or underground</li><li>l) Length (in circuit miles) of any other type of system hardening project to be installed in 2025 (if this is greater than zero, please describe the type of system hardening project)</li><li>m) Location-specific underground effectiveness</li><li>n) Location-specific effectiveness of alternative mitigations.</li></ul>	<p>Please see attachment "WMP-Discovery2023-2025_DR_CaMAdvocate_039-20584607CONF.xlsx" for the requested information. Please note that this information is confidential and should be handled accordingly.</p> <p>PG&amp;E is providing the information requested in the response above, where the forecasted operating expenditures in 2025 are at least two times actual operating expenditures in 2023: (1) labor mitigation, (2) emergency, and (3) the nearest right-of-ways.</p> <p>1. Labor Mitigation 2. Mergent 3. Fire-Resistant Right of Ways</p> <p>4) Vegetation Management and Inspection: Fuel in Mitigation</p> <p>Grid Design, Operations, and Maintenance/Inspection: Vegetation Management and Inspection - Fire Resistant Right of Ways</p> <p>5) PG&amp;E is providing the name of the activity category in lieu of the initiative number for this category in Table T1 of your 2023-2025 Base WMP Update.</p> <p>6) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>7) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>8) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>9) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>10) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p>	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333">https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333</a>	0	NA	8.1.2.5	System Hardening	NA
Pre-Discovery 71	CaPA	Sat WMP-39	CaPA_Sat WMP-39	10	CaPA_Sat WMP-39_10	<p>For each of your 2023-2025 WMP system hardening initiatives, please provide disaggregated information related to operations and cost miles related to the attached table, CaMAdvocate-PGE-2023WMP-03 Attachment 2. Add columns as needed.</p>	<p>Please see attachment "WMP-Discovery2023-2025_DR_CaMAdvocate_039-20584607CONF.xlsx" for the requested information. Please note that this information is confidential and should be handled accordingly.</p> <p>PG&amp;E is providing the information requested in the response above, where the forecasted operating expenditures in 2025 are at least two times actual operating expenditures in 2023: (1) labor mitigation, (2) emergency, and (3) the nearest right-of-ways.</p> <p>1. Labor Mitigation 2. Mergent 3. Fire-Resistant Right of Ways</p> <p>4) Vegetation Management and Inspection: Fuel in Mitigation</p> <p>Grid Design, Operations, and Maintenance/Inspection: Vegetation Management and Inspection - Fire Resistant Right of Ways</p> <p>5) PG&amp;E is providing the name of the activity category in lieu of the initiative number for this category in Table T1 of your 2023-2025 Base WMP Update.</p> <p>6) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>7) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>8) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>9) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p> <p>10) The WMP initiative number in Table T1 of your 2023-2025 Base WMP Update</p>	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333">https://www.pge.com/submit/Pages/Feedback.aspx?FeedbackType=Survey&amp;FeedbackID=4333</a>	0	NA	8.1.2.5	System Hardening	NA

Pre-Discovery 72	CaPA	Sat WMP-30	CaPA_Sat_WMP-30	11	CaPA_Sat_WMP-30_011	On page 458 of PG&E's 2023-2025 WMP-19, January 6, 2024, PG&E provided Table PG&E-6.1.2.3, shown below. Please provide an updated version of the table (preferably in Excel format) with updates from 2023 and updated estimates for 2024, 2025, and 2026.	Please see attachment "WMP-Discovery2023-2025_DR_CalAdaptivity_039-00110401.dwg" for an updated version of the requested table as of February 22, 2024. As described in response to CalAdaptivity_039-009, PG&E combined years 2022 and 2023 to ensure the combination remains associated with these projects as all tables related.	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00110401.dwg">https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00110401.dwg</a>	1	NA	8.1.2.5	System Hardening	NA
Pre-Discovery 73	CaPA	Sat WMP-30	CaPA_Sat_WMP-30	12	CaPA_Sat_WMP-30_012	On October 3, 2023, the Wildlife Safety Advisory Board held a meeting. Four documents related to PG&E's ground-level distribution system (see item 5) of the meeting materials (see https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-009, PG&E combined years 2022 and 2023 to ensure the combination remains associated with these projects as all tables related). Please see attachments WMP-Discovery2023-2025_DR_CalAdaptivity_039-00120401CONP.pdf for the Experimental Insulation Letters, WMP-Discovery2023-2025_DR_CalAdaptivity_039-00120402CONP.pdf for the GLDS Project Plan Score, WMP-Discovery2023-2025_DR_CalAdaptivity_039-00120403CONP.pdf for the GLDS Product Information, and WMP-Discovery2023-2025_DR_CalAdaptivity_039-00120404CONP.pdf for our most recent Post-Construction Sketch. Please note that the GLDS Pre-Construction Sketch includes redlines which reflect updates to the GLDS Project Plan.	Please see attachment "WMP-Discovery2023-2025_DR_CalAdaptivity_039-00120401CONP.pdf" for the Experimental Insulation Letters, "WMP-Discovery2023-2025_DR_CalAdaptivity_039-00120402CONP.pdf" for the GLDS Project Plan Score, "WMP-Discovery2023-2025_DR_CalAdaptivity_039-00120403CONP.pdf" for the GLDS Product Information, and "WMP-Discovery2023-2025_DR_CalAdaptivity_039-00120404CONP.pdf" for our most recent Post-Construction Sketch. Please note that the GLDS Pre-Construction Sketch includes redlines which reflect updates to the GLDS Project Plan.	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00120401CONP.pdf">https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00120401CONP.pdf</a>	4	NA	8.1.2.5	System Hardening	NA
Pre-Discovery 74	CaPA	Sat WMP-30	CaPA_Sat_WMP-30	13	CaPA_Sat_WMP-30_013	Identify any ignitons in 2023 associated with assets where you did not existing corrective notifications at the time of the igniton. Please provide a spreadsheet listing each such igniton (in row) with the following information in separate columns: a) Unique Ignition ID b) Date of Ignition c) Cause of Ignition d) Assets of equipment associated with the igniton e) Areas burned f) Number of structures burned, if any g) Number of ignitions associated with igniton, if any h) Asset ID of asset associated with igniton i) Circuit ID number of circuit associated with igniton j) Notification number(s) for the existing maintenance log on the asset in question.	Please see attachment "WMP-Discovery2023-2025_DR_CalAdaptivity_039-00130401.dwg" for a list of OPGC-reportable ignitions that occurred in 2023 where the closest support structure has an open corrective notification at the time of the igniton event.	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00130401.dwg">https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00130401.dwg</a>	1	NA	8	Section 8.3 - Situational Awareness and Forecasting	8.3.1 Existing Ignition Detection Sensors and Systems
Pre-Discovery 75	CaPA	Sat WMP-30	CaPA_Sat_WMP-30	14	CaPA_Sat_WMP-30_014	In the PG&E's Asset Failure Analysis Team usually corrected any ignitons that occurred in 2023 to assets with existing asset or vegetation corrective notifications at the time of igniton? If the answer to part (a) is yes, please provide the following information for each such igniton: a) Unique Ignition ID (identified in the previous question) b) Date of Ignition c) Cause(s) identified by the Asset Failure Analysis Team d) In the type of corrective notification that was issued to the igniton (i.e., the priority level and whether related to asset management or vegetation management). e) Copies of associated reports or investigations performed by the Asset Failure Analysis Team.	Please note the attachments to this response contain CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration. a) Yes, PG&E has corrected ignitons that occurred in 2023 to assets with existing asset or vegetation corrective notifications at the time of igniton. b) Please see the table below for links to the requested information: Unique Ignition ID Date Apparent Cause(s) Corrective Notification Type and Description Asset Name 20230175 3123 View Open Date Potential Asset Asset conductor Asset fault type Asset failure EC Notification 12148810 (E Priority) Violation description listing of WMP-Discovery2023-2025_DR_CalAdaptivity_039-00140401CONP.pdf 20230175 3123 Start party Force Touching Steel pipe Ignition Asset	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00140401CONP.pdf">https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00140401CONP.pdf</a>	4	NA	8	Section 8.3 - Situational Awareness and Forecasting	8.3.1 Existing Ignition Detection Sensors and Systems
Pre-Discovery 76	CaPA	Sat WMP-30	CaPA_Sat_WMP-30	14a)	CaPA_Sat_WMP-30_014a)	In the PG&E's Asset Failure Analysis Team usually corrected any ignitons that occurred in 2023 to assets with existing asset or vegetation corrective notifications at the time of igniton? If the answer to part (a) is yes, please provide the following information for each such igniton: a) Unique Ignition ID (identified in the previous question) b) Date of Ignition c) Cause(s) identified by the Asset Failure Analysis Team d) In the type of corrective notification that was issued to the igniton (i.e., the priority level and whether related to asset management or vegetation management). e) Copies of associated reports or investigations performed by the Asset Failure Analysis Team.	Please note the attachments to this response contain CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration. a) Yes, PG&E has corrected ignitons that occurred in 2023 to assets with existing asset or vegetation corrective notifications at the time of igniton. b) Please see the table below for links to the requested information: Unique Ignition ID Date Apparent Cause(s) Corrective Notification Type and Description Asset Name 20230175 3123 View Open Date Potential Asset Asset conductor Asset fault type Asset failure EC Notification 12148810 (E Priority) Violation description listing of WMP-Discovery2023-2025_DR_CalAdaptivity_039-00140401CONP.pdf 20230175 3123 Start party Force Touching Steel pipe Ignition Asset	Holly Wetman	5/15/2024	5/16/2024	5/16/2024	<a href="https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00140401CONP.pdf">https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00140401CONP.pdf</a>	4	NA	NA	Section 8.3 - Situational Awareness and Forecasting	8.3.1 Existing Ignition Detection Sensors and Systems
Pre-Discovery 78	CaPA	Sat WMP-30	CaPA_Sat_WMP-30	15	CaPA_Sat_WMP-30_015	On page 548 of PG&E's 2023-2025 WMP-19, January 6, 2024, PG&E stated that it was revising its field safety maintenance procedures (TD-8123P-200) and requested to publish the revised procedures by the end of 2023. If the answer to part (a) is yes, please provide a copy of any reports or other output from the study. If the answer to part (a) is no, please explain the delay. If the answer to part (a) is no, please state when PG&E currently expects to publish the revised TD-8123P-200 procedure.	Please note the attachments to this response contain CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration. a) Yes, PG&E published the revised TD-8123P-200 procedure on December 29, 2023. b) Per the responses to "CRUI1787 - 1_Closure, Corrective Action Compliance - Follow the answer 'Yes' only", submitted to the OPGC on February 9, 2024, the TD-8123P-200 procedure was updated to reflect: 1. Natural Risk Task & Trace (PTRA) not included (E) (Electric Compliance (EC) notifications require a Field Safety Assessment (FSA).) 2. Quality Control (QC) review to remove any PTRA or IR inspections from FBR. c) A 10-year validation process to check for cancellation of notifications created by another PTRA or IR inspection. d) SAP and Incident App enhancements allowing inspectors to note that additional asset health conditions have been identified in the field as tags that require updates are flagged for review. e) Please see attachment "WMP-Discovery2023-2025_DR_CalAdaptivity_039-00150401CONP.pdf" for the requested information. Please note that this attachment contains confidential information. f) Not applicable. g) Not applicable. h) Not applicable.	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00150401CONP.pdf">https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00150401CONP.pdf</a>	1	NA	8	Section 8.1.7 - Open Work Orders	8.1.7.2 Open Work Orders - Distribution Tags
Pre-Discovery 77	CaPA	Sat WMP-30	CaPA_Sat_WMP-30	16	CaPA_Sat_WMP-30_016	In response to data request CalAdaptivity-PGE-2023WMP-29 question 15, April 28, 2023, PG&E stated that it was already analyzing the effectiveness of both covered conductors and bare conductors in combination with EPRI and DCPNF. PG&E stated that it anticipated completing the analysis in 2023. If the answer to part (a) is yes, please provide a copy of any reports or other output from the study. If the answer to part (a) is no, please explain the delay. If the answer to part (a) is no, please state when PG&E currently expects to complete this analysis.	a) No. The initial analysis was been deferred but is not yet complete. b) Not applicable. c) PG&E is still internally validating the results for quality review in preparation for the SB 806 10 Year Undergrounding Plan. d) This analysis will be included in our SB 806 10-year undergrounding plan, which is expected to be filed later this year. The timing of the filing, however, is dependent on when we receive the necessary guidelines from Energy Safety. e) PG&E has not yet completed the Substation Asset Assessment Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI). f) Not applicable. g) PG&E has not yet completed the Substation Asset Assessment Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI). h) No. The initial analysis was been deferred but is not yet complete.	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00160401CONP.pdf">https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00160401CONP.pdf</a>	0	NA	8.1.2	Grid Design and System Hardening	Vehicle
Pre-Discovery 78	CaPA	Sat WMP-30	CaPA_Sat_WMP-30	17	CaPA_Sat_WMP-30_017	In response to data request CalAdaptivity-PGE-2023WMP-29 question 6, August 18, 2023, PG&E stated that it was conducting a study to assess the recorded visibility improvements or factors that have been undergrounded and have been hand-lined with covered conductors. PG&E stated that it anticipated completing the analysis in December of 2023. If the answer to part (a) is yes, please provide a copy of any reports or other output from the study. If the answer to part (a) is no, please explain the delay. If the answer to part (a) is no, please state when PG&E currently expects to complete this analysis.	a) Not applicable. b) Not applicable. c) PG&E has not yet completed the Substation Asset Assessment Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI). d) No. The initial analysis was been deferred but is not yet complete. e) PG&E is still internally validating the results for quality review in preparation for the SB 806 10 Year Undergrounding Plan. f) This analysis will be included in our SB 806 10-year undergrounding plan, which is expected to be filed later this year. The timing of the filing, however, is dependent on when we receive the necessary guidelines from Energy Safety. g) PG&E has not yet completed the Substation Asset Assessment Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI). h) No. The initial analysis was been deferred but is not yet complete.	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00170401CONP.pdf">https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00170401CONP.pdf</a>	0	NA	8.1.2, 1.2	Grid Design and System Hardening	Other Technologies and Systems - Substation Asset Assessment
Pre-Discovery 79	CaPA	Sat WMP-30	CaPA_Sat_WMP-30	18	CaPA_Sat_WMP-30_018	In response to data request CalAdaptivity-PGE-2023WMP-29 question 8, August 18, 2023, PG&E stated that it was conducting a study to assess the recorded visibility improvements or factors that have been undergrounded and have been hand-lined with covered conductors. PG&E stated that it anticipated completing the analysis in October of 2023. If the answer to part (a) is yes, please provide a copy of any reports or other output from the study. If the answer to part (a) is no, please explain the delay. If the answer to part (a) is no, please state when PG&E currently expects to complete this analysis.	a) Not applicable. b) Not applicable. c) PG&E has not yet completed the Substation Asset Assessment Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI). d) No. The initial analysis was been deferred but is not yet complete. e) PG&E is still internally validating the results for quality review in preparation for the SB 806 10 Year Undergrounding Plan. f) This analysis will be included in our SB 806 10-year undergrounding plan, which is expected to be filed later this year. The timing of the filing, however, is dependent on when we receive the necessary guidelines from Energy Safety. g) PG&E has not yet completed the Substation Asset Assessment Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI). h) No. The initial analysis was been deferred but is not yet complete.	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00180401CONP.pdf">https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00180401CONP.pdf</a>	0	NA	Appendix D	Appendix D - Assets for Continued Improvement	Appendix D A-C) PG&E 22--16 Progress and Updates on Undergrounding and Risk Prioritization
Pre-Discovery 80	CaPA	Sat WMP-30	CaPA_Sat_WMP-30	19	CaPA_Sat_WMP-30_019	In response to data request CalAdaptivity-PGE-2023WMP-29 question 5, September 27, 2023, PG&E stated that it was conducting a study to assess the recorded visibility improvements or factors that have been undergrounded and have been hand-lined with covered conductors. PG&E stated that it anticipated completing the analysis in October of 2023. If the answer to part (a) is yes, please provide a copy of any reports or other output from the study. If the answer to part (a) is no, please explain the delay. If the answer to part (a) is no, please state when PG&E currently expects to complete this analysis.	a) Not applicable. b) Not applicable. c) PG&E has not yet completed the Substation Asset Assessment Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI). d) No. The initial analysis was been deferred but is not yet complete. e) PG&E is still internally validating the results for quality review in preparation for the SB 806 10 Year Undergrounding Plan. f) This analysis will be included in our SB 806 10-year undergrounding plan, which is expected to be filed later this year. The timing of the filing, however, is dependent on when we receive the necessary guidelines from Energy Safety. g) PG&E has not yet completed the Substation Asset Assessment Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI). h) No. The initial analysis was been deferred but is not yet complete.	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00190401CONP.pdf">https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00190401CONP.pdf</a>	0	NA	NA	NA	NA
Pre-Discovery 80	CaPA	Sat WMP-30	CaPA_Sat_WMP-30	19a)	CaPA_Sat_WMP-30_019a)	In response to data request CalAdaptivity-PGE-2023WMP-29 question 5, September 27, 2023, PG&E stated that it was conducting a study to assess the recorded visibility improvements or factors that have been undergrounded and have been hand-lined with covered conductors. PG&E stated that it anticipated completing the analysis in October of 2023. If the answer to part (a) is yes, please provide a copy of any reports or other output from the study. If the answer to part (a) is no, please explain the delay. If the answer to part (a) is no, please state when PG&E currently expects to complete this analysis.	a) Not applicable. b) Not applicable. c) PG&E has not yet completed the Substation Asset Assessment Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI). d) No. The initial analysis was been deferred but is not yet complete. e) PG&E is still internally validating the results for quality review in preparation for the SB 806 10 Year Undergrounding Plan. f) This analysis will be included in our SB 806 10-year undergrounding plan, which is expected to be filed later this year. The timing of the filing, however, is dependent on when we receive the necessary guidelines from Energy Safety. g) PG&E has not yet completed the Substation Asset Assessment Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI). h) No. The initial analysis was been deferred but is not yet complete.	Holly Wetman	3/22/2024	6/21/2024	6/19/2024	<a href="https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-0019a0401CONP.pdf">https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-0019a0401CONP.pdf</a>	1	NA	NA	NA	NA
Pre-Discovery 81	CaPA	Sat WMP-30	CaPA_Sat_WMP-30	20	CaPA_Sat_WMP-30_020	In response to data request CalAdaptivity-PGE-2023WMP-29 question 8, September 27, 2023, PG&E stated that it was conducting a study to assess the recorded visibility improvements or factors that have been undergrounded and have been hand-lined with covered conductors. PG&E stated that it anticipated completing the analysis in October of 2023. If the answer to part (a) is yes, please provide a copy of any reports or other output from the study. If the answer to part (a) is no, please explain the delay. If the answer to part (a) is no, please state when PG&E currently expects to complete this analysis.	a) Not applicable. b) Not applicable. c) PG&E has not yet completed the Substation Asset Assessment Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI). d) No. The initial analysis was been deferred but is not yet complete. e) PG&E is still internally validating the results for quality review in preparation for the SB 806 10 Year Undergrounding Plan. f) This analysis will be included in our SB 806 10-year undergrounding plan, which is expected to be filed later this year. The timing of the filing, however, is dependent on when we receive the necessary guidelines from Energy Safety. g) PG&E has not yet completed the Substation Asset Assessment Effectiveness Study being conducted in partnership with the Electric Power Research Institute (EPRI). h) No. The initial analysis was been deferred but is not yet complete.	Holly Wetman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00200401CONP.pdf">https://www.pge.com/energy/focus/subsites/eas/assess/assessments/eas-039-00200401CONP.pdf</a>	0	NA	8.2.3.4	Vegetation Management and Inspections	Fall in Mitigation