



14	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q2	2	CAIPA_Sat WMP-08_Q2	<p>Regarding the new "Tree Removal Inventory Program" described in section 8.2.2.2.4 of PG&amp;E's WMP, PG&amp;E states:</p> <p>This is a new transitional program for 2023 stemming from the conclusion of the EVM program. This program is intended to work down trees previously identified. PG&amp;E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022. Under the Tree Removal Inventory program, we remove or re-speciate trees identified in the EVM program.</p> <p>Based on this on-going re-speciation and evaluation work, we will develop annual re-speciation work plans and budgets to higher-level re-speciation or CPZs. We will place all trees in the inventory in a re-speciation pool.</p> <p>At PG&amp;E, we mean by the term "transitional" in the first sentence.</p> <p>Does PG&amp;E intend to identify new trees to be added to the transitional inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&amp;E's methodology and strategy for doing so will differ from the methodology used for the EVM program.</p> <p>If the answer to part (b) is no, please explain how PG&amp;E intends to achieve comparable risk reduction outcomes that are not being provided by the EVM program.</p> <p>What is the nature of the "re-speciation" or "re-speciation and evaluation work"?</p> <p>Does PG&amp;E intend to identify new trees to be added to the transitional inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&amp;E intends to address vegetation risk reduction in a manner consistent with the EVM program.</p> <p>If the answer to part (b) is no, please explain how the tree inventory will be maintained and used going forward.</p> <p>When it is stated that PG&amp;E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022, please explain why this number is an estimate rather than a precise number.</p>	0	NA	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
15	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q3	3	CAIPA_Sat WMP-08_Q3	<p>Regarding the new "VM for Operational Mitigation" described in section 8.2.2.2.3 of PG&amp;E's WMP, PG&amp;E states:</p> <p>This is a new transitional program for 2023 stemming from the conclusion of the EVM program. This program is intended to help reduce outage and potential impacts with a risk-informed, targeted plan to mitigate potential vegetation contacts based on historic vegetation outage data and EPSS-enabled circuitry. PG&amp;E will initially focus on mitigating potential vegetation contacts in CPZs that have experienced vegetation-caused outages. Scope of work will be developed by using EPSS and historical outage data and vegetation data from the WORM to risk model EPSS-enabled device vegetation outage events of condition inspections to generate additional work.</p> <p>At PG&amp;E, we mean by the term "transitional" in the first sentence.</p> <p>When will PG&amp;E begin to implement the VM for Operational Mitigation program?</p> <p>How many additional trees will be added to the work for this program?</p> <p>How many additional trees will be added to the work for this program (i.e., annually or quarterly)?</p> <p>Does PG&amp;E intend to identify new trees to be added to the transitional inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&amp;E intends to address vegetation risk reduction in a manner consistent with the EVM program.</p> <p>If the answer to part (b) is no, please explain how the tree inventory will be maintained and used going forward.</p> <p>When it is stated that PG&amp;E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022, please explain why this number is an estimate rather than a precise number.</p>	0	NA	8.2.2.2.3	Vegetation Management and Inspections	VM for Operational Mitigation
16	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q4	4	CAIPA_Sat WMP-08_Q4	<p>Regarding the new "Focused Tree Inspections" described in section 8.2.2.2.3 of PG&amp;E's WMP, PG&amp;E states:</p> <p>This is a new transitional program for 2023 stemming from the conclusion of the EVM program. PG&amp;E is developing aDO to better focus VM efforts to address high risk areas that have experienced higher volumes of vegetation damage during PSPS events, outages, and/or ignitions. We have conducted a county-by-county review with regional D&amp;E and used this information to develop programs where focused vegetation inspections can be evaluated to determine appropriate courses to prioritize projects. Focused Tree Inspection plans will be piloted in one area. The pilot will develop and implement guidelines that inform program.</p> <p>At PG&amp;E, we mean by the term "transitional" in the first sentence.</p> <p>Does PG&amp;E intend to identify new trees to be added to the transitional inventory?</p> <p>How many additional trees will be added to the work for this program?</p> <p>How many additional trees will be added to the work for this program (i.e., annually or quarterly)?</p> <p>Does PG&amp;E intend to identify new trees to be added to the transitional inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&amp;E intends to address vegetation risk reduction in a manner consistent with the EVM program.</p> <p>If the answer to part (b) is no, please explain how the tree inventory will be maintained and used going forward.</p> <p>When it is stated that PG&amp;E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022, please explain why this number is an estimate rather than a precise number.</p>	0	NA	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
17	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q5	5	CAIPA_Sat WMP-08_Q5	<p>PG&amp;E states on p. 539 of its WMP:</p> <p>PG&amp;E is conducting our VM Program starting in 2023. Based on current data and analysis, the risk reduction of the EVM Program is less than the risk reduction from the EVM program that was introduced in 2021.</p> <p>Does PG&amp;E intend to identify new trees to be added to the transitional inventory?</p> <p>How many additional trees will be added to the work for this program?</p> <p>How many additional trees will be added to the work for this program (i.e., annually or quarterly)?</p> <p>Does PG&amp;E intend to identify new trees to be added to the transitional inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&amp;E intends to address vegetation risk reduction in a manner consistent with the EVM program.</p> <p>If the answer to part (b) is no, please explain how the tree inventory will be maintained and used going forward.</p> <p>When it is stated that PG&amp;E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022, please explain why this number is an estimate rather than a precise number.</p>	0	NA	8.2.3.4	Vegetation Management and Inspections	Fall in Mitigation
18	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q6	6	CAIPA_Sat WMP-08_Q6	<p>PG&amp;E states on p. 539 of its WMP:</p> <p>PG&amp;E is conducting our VM Program starting in 2023. Based on current data and analysis, the risk reduction of the EVM Program is less than the risk reduction from the EVM program that was introduced in 2021.</p> <p>Does PG&amp;E intend to identify new trees to be added to the transitional inventory?</p> <p>How many additional trees will be added to the work for this program?</p> <p>How many additional trees will be added to the work for this program (i.e., annually or quarterly)?</p> <p>Does PG&amp;E intend to identify new trees to be added to the transitional inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&amp;E intends to address vegetation risk reduction in a manner consistent with the EVM program.</p> <p>If the answer to part (b) is no, please explain how the tree inventory will be maintained and used going forward.</p> <p>When it is stated that PG&amp;E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022, please explain why this number is an estimate rather than a precise number.</p>	0	NA	8.2.3.4	Vegetation Management and Inspections	Fall in Mitigation
19	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q7	7	CAIPA_Sat WMP-08_Q7	<p>On pp. 314-316 of PG&amp;E's WMP, PG&amp;E divides its operational mitigations into four different groups. Group 2 includes "Inspection and maintenance programs where we exceed compliance requirements and permit inspections are deployed and/or we implement new technologies so that we no longer need to exceed compliance requirements." For the following Group 2 mitigations, please state whether PG&amp;E will determine that it is no longer needed to exceed compliance requirements, and state the criteria by which such a determination is made:</p> <p>(a) Equipment Maintenance Program</p> <p>(b) Fire Clearing Program</p> <p>(c) Utility Defensible Space Program</p> <p>(d) Flood Management</p> <p>(e) Substation Defensible Space</p> <p>(f) Focused Tree Inspections</p> <p>(g) Emergency Integrated VM</p> <p>(h) Emergency Response VM</p>	0	NA	7.2.3	Wildfire Mitigation Strategy Development	Hearm Mitigation Initiatives
20	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q8	8	CAIPA_Sat WMP-08_Q8	<p>On pp. 314-316 of PG&amp;E's WMP, PG&amp;E divides its operational mitigations into four different groups. Group 2 includes "Inspection and maintenance programs where we exceed compliance requirements and permit inspections are deployed and/or we implement new technologies so that we no longer need to exceed compliance requirements." For each of the following Group 2 mitigations, please state whether PG&amp;E needs to document the program/initiative once permit inspections are deployed or new technologies are implemented:</p> <p>(a) Equipment Maintenance Program</p> <p>(b) Fire Clearing Program</p> <p>(c) Utility Defensible Space Program</p> <p>(d) Flood Management</p> <p>(e) Substation Defensible Space</p> <p>(f) Focused Tree Inspections</p> <p>(g) Emergency Integrated VM</p> <p>(h) Emergency Response VM</p>	0	NA	7.2.3	Wildfire Mitigation Strategy Development	Hearm Mitigation Initiatives
21	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q9	9	CAIPA_Sat WMP-08_Q9	<p>Regarding the new "Tree Removal Inventory Program" described in section 8.2.2.2.4 of PG&amp;E's WMP, PG&amp;E states:</p> <p>This is a new transitional program for 2023 stemming from the conclusion of the EVM program. This program is intended to work down trees previously identified. PG&amp;E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022.</p> <p>Based on this on-going re-speciation and evaluation work, we will develop annual re-speciation work plans and budgets to higher-level re-speciation or CPZs. We will place all trees in the inventory in a re-speciation pool.</p> <p>At PG&amp;E, we mean by the term "transitional" in the first sentence.</p> <p>Does PG&amp;E intend to identify new trees to be added to the transitional inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&amp;E intends to address vegetation risk reduction in a manner consistent with the EVM program.</p> <p>If the answer to part (b) is no, please explain how the tree inventory will be maintained and used going forward.</p> <p>When it is stated that PG&amp;E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022, please explain why this number is an estimate rather than a precise number.</p>	0	NA	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
22	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08_Q10	10	CAIPA_Sat WMP-08_Q10	<p>PG&amp;E states on p. 539 of its WMP:</p> <p>PG&amp;E is conducting our VM Program starting in 2023. Based on current data and analysis, the risk reduction of the EVM Program is less than the risk reduction from the EVM program that was introduced in 2021.</p> <p>Does PG&amp;E intend to identify new trees to be added to the transitional inventory?</p> <p>How many additional trees will be added to the work for this program?</p> <p>How many additional trees will be added to the work for this program (i.e., annually or quarterly)?</p> <p>Does PG&amp;E intend to identify new trees to be added to the transitional inventory?</p> <p>If the answer to part (a) is yes, please explain how PG&amp;E intends to address vegetation risk reduction in a manner consistent with the EVM program.</p> <p>If the answer to part (b) is no, please explain how the tree inventory will be maintained and used going forward.</p> <p>When it is stated that PG&amp;E estimates that our EVM inventory included more than 300,000 trees as of the end of 2022, please explain why this number is an estimate rather than a precise number.</p>	0	NA	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections

ID	Category	Sub-Category	Item	Priority	Start Date	End Date	Responsible Party	Status	Progress %	Notes
23	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08	11	3/20/23	4/30/23	Holy Wellman	0	NA	8.2.2.1 Vegetation Management and Inspections Routine Transmission NERC and Non-NERC
24	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08	12	3/20/23	4/30/23	Holy Wellman	0	NA	8.2.2.4 Vegetation Management and Inspections Tree Removal Inventory
25	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08	13	3/20/23	4/30/23	Holy Wellman	0	NA	8.2.5.1 Vegetation Management and Inspections Quality Assurance and Quality Verification
26	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08	14	3/20/23	4/30/23	Holy Wellman	0	NA	8.2.2.2 Vegetation Management and Inspections Distribution Second Patrol
27	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08	15	3/20/23	4/30/23	Holy Wellman	0	NA	8.2.2.3 Vegetation Management and Inspections Defensible Space Inspections
28	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08	16	3/20/23	4/30/23	Holy Wellman	0	NA	8.2.3.2 Vegetation Management and Inspections Wood and Slash Management
29	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08	17	3/20/23	4/30/23	Holy Wellman	0	NA	8.2.3.6 Vegetation Management and Inspections High-Risk Species
30	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08	18	3/20/23	4/30/23	Holy Wellman	0	NA	8.2.5.2 Vegetation Management and Inspections Quality Control
31	CAIPA	Sat WMP-08	CAIPA_Sat WMP-08	19	3/20/23	4/30/23	Holy Wellman	1	NA	8.2.6 Vegetation Management and Inspections Open Wood Orders
32	CAIPA	Sat WMP-09	CAIPA_Sat WMP-09	1	4/30/23	4/30/23	Holy Wellman	0	NA	1 Executive Summary & Overview NA

33	CAFA	Set WMP-09	CAFA_Set WMP-09	2	CAFA_Set WMP-09_02	<p>P. 107 of PG&amp;E's WMP states, "Increased temperatures can cause electric equipment to age more quickly which will increase the need for more frequent asset replacement. Higher temperatures may cause equipment to fail leading to customer outages."</p> <p>a) What steps has PG&amp;E taken to mitigate the increased risk of asset failure anticipated from rising temperatures?</p> <p>b) What steps does PG&amp;E plan to take during the 2023-2025 WMP period to mitigate the increased risk of asset failure anticipated from rising temperatures?</p>	<p>PG&amp;E notes that this assessment is included in the 2023-2025 WMP as general observation about the availability of certain assets to providing customers that exceed equipment design specifications. To meet the availability of a specific climate hazard as well as an asset's availability to the climate hazard of a given asset of the grid as a whole, PG&amp;E will file its Climate Vulnerability Assessment pursuant to CPUC Decision 20-08-046 in May 2024 in addition to the answers provided below. The 2023 Climate Strategy Report contains a significant amount of detail on the Company's climate mitigation and adaptation activities.</p> <p>1) PG&amp;E has substantial existing adaptive capacity to manage the increased risk of asset failure driven by heat-related climate hazards and is taking the following steps to mitigate the risk:</p> <ul style="list-style-type: none"> <li>1) PG&amp;E is actively monitoring, maintaining, and replacing heat-sensitive electric equipment as part of the company's core maintenance cycle, which includes:</li> <li>2) PG&amp;E has developed predictive transformer failure models to better target existing transformer replacement efforts.</li> <li>3) PG&amp;E is currently reviewing electric design standards to ensure that equipment will be replaced with equipment designed for the conditions. This will ensure that equipment at the end of its useful life will be replaced with equipment designed to be resilient to these conditions.</li> </ul> <p>In addition to the above, PG&amp;E's Climate Resilience Team provides advanced climate projection data to PG&amp;E's Risk Assessment and Mitigation Phase (RAM) Plan.</p> <p>Climate data is being used to inform the RAM Plan to ensure that climate projection data can be translated into system requirements while maintaining substantial utility climate projections current and should not be used to "twist" weather events to a given year. These new PG&amp;E 2023 RAM Plan forecasts for climate projection data can be translated into the RAM Plan's climate change stress testing risk factor.</p> <p>In the 2023-2025 period, PG&amp;E will continue to manage the risk of asset failure utilizing existing capabilities as mentioned above, including enhancing the quantitative Risk Assessment and Mitigation Phase filing which is focused on quantifying the probability and consequences of asset failure and identifying corrective mitigations.</p> <p>Climate projections provide directional guidance as to changes in the average frequency and severity of climate hazards over decades and cannot be used to predict the occurrence of specific weather events in a given year or even sub-decadal multi-year period. In other words, climate projections centered on the year 2022 versus 2023 will show similar conditions on average. This does not preclude that extreme or acute heat events could occur between 2023 and 2025. In addition to the elements of adaptive capacity mentioned above, PG&amp;E also maintains a robust Emergency Preparedness and Response function to maintain safety and reliability under acute environmental conditions occur.</p> <p>1 See <a href="https://www.pge.com/about-us/and-topics/electrical-energy/climate-change">https://www.pge.com/about-us/and-topics/electrical-energy/climate-change</a></p> <p>2 See <a href="https://www.pge.com/about-us/and-topics/electrical-energy/climate-change">https://www.pge.com/about-us/and-topics/electrical-energy/climate-change</a></p>	Holly Wetmore	4/4/2023	4/7/2023	4/7/2023	<a href="https://www.pge.com/about-us/and-topics/electrical-energy/climate-change">https://www.pge.com/about-us/and-topics/electrical-energy/climate-change</a>	0	NA	5.3.4.2	Overview of the Service Territory	Climate Change Phenomena and Trends
34	CAFA	Set WMP-09	CAFA_Set WMP-09	3	CAFA_Set WMP-09_03	<p>P. 508 of PG&amp;E's WMP states:</p> <p>In 2022 we continued our assessment through the Electric Program Investment Charge 3.45, "Automated Fire Detection from Wildfire Alert Cameras," program. Through our assessment period we determined that AI detection on cameras will improve our detection system and in 2023 we will select a vendor to install AI detection on our cameras.</p> <p>a) Did PG&amp;E determine that AI detection would improve its detection system?</p> <p>b) Please identify the PG&amp;E AI detection vendor. AI detection will improve PG&amp;E's detection system.</p> <p>c) Please provide any available analysis, analyses or reports to support your statements in response to part (b) and (d).</p> <p>d) From the beginning of 2023, how many cameras will PG&amp;E operate on the Electric Program Investment Charge 3.45, "Automated Fire Detection from Wildfire Alert Cameras," program?</p> <p>e) How many cameras will PG&amp;E install operating on the Electric Program Investment Charge 3.45, "Automated Fire Detection from Wildfire Alert Cameras," program in each of the years 2023, 2024, and 2025?</p> <p>f) When is the earliest date that PG&amp;E expects to realize benefits from automated fire detection?</p>	<p>AI PG&amp;E ran a pilot of AI technology in 2021 to determine the efficacy of this new technology to assist with the detection and notification of new ignitions. In 2022 a project was launched under the Electric Program Investment Charge 3.45 in which multiple potential vendors participated to prove out the ability of the AI technology to continuously monitor the feeds from the wildfire cameras installed in PG&amp;E service territory and provide alerts to both PG&amp;E and responding agency partners in order to reduce response time to detected ignitions.</p> <p>During the EPIC project, PG&amp;E has determined that AI would enable both PG&amp;E and First Responders to receive notifications of ignitions detected on installed wildfire cameras. The decision was made to pursue AI implementation on all PG&amp;E sponsored cameras in 2023. It is important to note that CAL FIRE, SOG, and SOG&amp;E are all sponsors of AI implementation on their sponsored cameras in 2023.</p> <p>The ability for the over 1,000 wildfire cameras installed across the state to be continuously monitored with rapid alerting for responding agencies is a major step forward in the detection and response to wildfire ignition.</p> <p>From the beginning of 2023, PG&amp;E has installed 100 wildfire cameras across the state. Each wildfire camera has about between 2 and 30 minutes to send information to responding agencies to view the camera. Early results show about 80% of the cameras are used when wildfire ignition is detected. The technology used in the equipment improved over the state data, and responding agencies are able to view the cameras more quickly than they rely on the traditional cameras.</p> <p>1) Please refer to attachments WMP-Discovery2023_DR_California_09-00-000003_09-00-000004 and WMP-Discovery2023_DR_California_09-00-000005.</p> <p>2) AI As of the beginning of 2023, PG&amp;E spent \$1,643,000 on the Electric Program Investment Charge 3.45, "Automated Fire Detection from Wildfire Alert Cameras," program.</p> <p>3) The EPIC project has ended and there will be no additional spend on this going forward. The cost to implement AI on the PG&amp;E sponsored cameras will be included in the Wildfire Camera program budget. This is expected for approximately \$1,800,000 in 2023 with incremental increases going forward. CAL FIRE, SOG, and SOG&amp;E will also be supporting its own sponsored cameras in the same cost centers.</p> <p>4) PG&amp;E expects to realize benefits from automated fire detection as early as June 2023.</p>	Holly Wetmore	4/4/2023	4/7/2023	4/7/2023	<a href="https://www.pge.com/about-us/and-topics/electrical-energy/climate-change">https://www.pge.com/about-us/and-topics/electrical-energy/climate-change</a>	1	NA	6.3.4.2	Risk Assessment and Forecasting	Ignition Detection Systems
35	CAFA	Set WMP-09	CAFA_Set WMP-09	4	CAFA_Set WMP-09_04	<p>P. 114 of PG&amp;E's WMP states, "The results of the PSPS Consequence Model are then calibrated to PG&amp;E's Distribution Risk Model (DRM) Risk Score for PSPS."</p> <p>For further information on PG&amp;E's MAVF, explain how the results of the PSPS Consequence Model are calibrated to the MAVF.</p>	<p>PG&amp;E's PSPS MAVF Risk Score includes safety, reliability, and financial components. The combination of the components results in a total MAVF Risk Score for PSPS.</p> <p>For Safety, PG&amp;E uses the combination of 50% PG&amp;E PSPS data and 50% US industry widespread unplanned outage data. Based on modeling of the two datasets, PG&amp;E assesses a Service Territory Failure (STF) (within Customer Market Interchange (CMI) Details are shown in "WMP-Discovery2023_DR_California_09-00-000001".</p> <p>For Reliability, PG&amp;E uses the CMI estimates from the historical data set for each loadable area. Details are shown in "WMP-Discovery2023_DR_California_09-00-000002".</p> <p>For Financial, PG&amp;E uses the historical cost of executing PSPS events and estimates a load cost of executing a PSPS and a cost per customer through this expression:</p> <p>Details are shown in "WMP-Discovery2023_DR_California_09-00-000003".</p> <p>PG&amp;E's PSPS consequence model is based off the load cost of potential PSPS events since 2010 at the customer level. For each customer, the model provides an expected number of CMI hours and the PSPS frequency and duration. The model results are then used to calculate the MAVF. This is broken down by the following components: MAVF Risk Score for each customer CMI of the total times the total MAVF Risk Score. Additionally, PG&amp;E includes a critical customer weighting, for example, a critical business customer has a weighting of 2, so the CMI associated with that customer would be exponentially double that of a regular customer.</p> <p>As an example:</p> <p>The Overall MAVF Risk Score is 100</p> <p>Customer 1 (critical business) experiences 10 CMI</p> <p>Customer 2 (regular) experiences 30 CMI</p> <p>Customer 3 (equivalent CMI is 10) 1" weighting = 20 CMI</p> <p>Customer 4 (equivalent CMI is 30 CMI 1" weighting = 30 CMI</p> <p>Customer 1 MAVF = 100 / (20+(30-30)) = 4.5 MAVF</p> <p>Customer 2 MAVF = 100 / (30+(30-30)) = 4.0 MAVF</p>	Holly Wetmore	4/4/2023	4/7/2023	4/7/2023	<a href="https://www.pge.com/about-us/and-topics/electrical-energy/climate-change">https://www.pge.com/about-us/and-topics/electrical-energy/climate-change</a>	3	NA	6.2.3	Risk Modeling and Assessment	Risk and Risk Components Calculation
36	CAFA	Set WMP-09	CAFA_Set WMP-09	5	CAFA_Set WMP-09_05	<p>P. 161 of PG&amp;E's WMP discusses Group G, Above-Grade Hardware, in the context of PG&amp;E's WTRM Group G has two sub-groups, PG&amp;E states, "Sub-Group 1 consists of components where the fit/clock closely align with that of the structure. These include the hanger plate and bolts."</p> <p>a) Does the WTRM apply to the same hardware and travels to all components within a grouping? Please explain your answer.</p> <p>b) PG&amp;E is grouping within the WTRM account for any hardware that may be unique to a subset of hardware within a group? Please explain your answer.</p> <p>c) Hanger plates may be subject to wear such as "welding" that the main structure may not experience. How does PG&amp;E account for the potential differences in the gaps between hanger plates and the structure?</p> <p>d) Which group within the WTRM includes o-rings?</p> <p>e) Please explain your justification for your answer to part (b).</p>	<p>a) Yes, the same hazard and results are applied to all components within a grouping. Grouping a set of components is based on the following considerations:</p> <ol style="list-style-type: none"> <li>1. Similar asset function.</li> <li>2. Similar asset materials.</li> <li>3. Similar Asset Management strategy.</li> </ol> <p>b) As a testing point, the WTRM assumes that all components have been designed to the minimum design wind loads and are equally susceptible to the threats affecting the component group. As more data is collected on individual components, the model assumptions will be used to select the most vulnerable component for a given hazard. For example, if a hanger plate that required by minimum design wind loads have been installed on a structure, it may be determined that the most vulnerable component would be the hanger plate because it has a higher probability of failure. High winds, in fact, can make the most vulnerable component would then represent the component grouping probability of failure.</p> <p>c) The WTRM accounts for differences between hanger plates and the structure by modeling the threats and hazards to the hanger plate in each of its element models. For "welding" inspection, the WTRM includes any observed wear or damage to the hanger plate.</p> <p>d) "welding" is incorporated by increasing the inspection "interval" which increases the failure likelihood of that component. The structure itself has different and unique threats that are modeled separately from the C-hook and hanger plate.</p> <p>e) C-hooks are considered to be in the Above Grade Hardware group because they have the most in common with between in terms of materials, general size, location on the structure, and degradation mechanisms.</p>	Holly Wetmore	4/4/2023	4/7/2023	4/7/2023	<a href="https://www.pge.com/about-us/and-topics/electrical-energy/climate-change">https://www.pge.com/about-us/and-topics/electrical-energy/climate-change</a>	0	NA	6.2.2.1	Risk Methodology and Assessment	Risk and Risk Components Calculation
37	CAFA	Set WMP-09	CAFA_Set WMP-09	6	CAFA_Set WMP-09_06	<p>P. 180 of PG&amp;E's WMP states, "top-100 areas are defined as the areas corresponding to those 100 x 100 mile grids that contain PG&amp;E overhead electrical infrastructure locations and that are in the top 200 percentiles based on WORM risk scores."</p> <p>How many "top 200 percentiles" does PG&amp;E mean the 80th through 100th percentiles, as percentiles are considered relative to other areas, the highest quartile of risk scores?</p> <p>b) In the above statement, does "top 200 percentiles" refer to WORM risk scores (which encompasses most of PG&amp;E's service territory) or a subset (for example, the top 200 percentiles of those WORM risk scores located within FTI)? Please explain your answer.</p> <p>c) How many circuits are included in the "top 200 percentiles" as this term is used in PG&amp;E's WMP?</p>	<p>Yes, by "top 200 percentile" PG&amp;E means the 80th through 100th percentiles, i.e., the highest quartile of risk scores for the entire WORM. The model provides an expected number of CMI hours and the PSPS frequency and duration. The model results are then used to calculate the MAVF. This is broken down by the following components: MAVF Risk Score for each customer CMI of the total times the total MAVF Risk Score. Additionally, PG&amp;E includes a critical customer weighting, for example, a critical business customer has a weighting of 2, so the CMI associated with that customer would be exponentially double that of a regular customer.</p> <p>As an example:</p> <p>The Overall MAVF Risk Score is 100</p> <p>Customer 1 (critical business) experiences 10 CMI</p> <p>Customer 2 (regular) experiences 30 CMI</p> <p>Customer 3 (equivalent CMI is 10) 1" weighting = 20 CMI</p> <p>Customer 4 (equivalent CMI is 30 CMI 1" weighting = 30 CMI</p> <p>Customer 1 MAVF = 100 / (20+(30-30)) = 4.5 MAVF</p> <p>Customer 2 MAVF = 100 / (30+(30-30)) = 4.0 MAVF</p>	Holly Wetmore	4/4/2023	4/7/2023	4/7/2023	<a href="https://www.pge.com/about-us/and-topics/electrical-energy/climate-change">https://www.pge.com/about-us/and-topics/electrical-energy/climate-change</a>	0	NA	6.4.1.2	Risk Methodology and Assessment	Top Risk Areas Within the WTRM
38	CAFA	Set WMP-09	CAFA_Set WMP-09	7	CAFA_Set WMP-09_07	<p>P. 73 of PG&amp;E's WMP states, "We created a specific-specific stress index model for PG&amp;E new health and mortality."</p> <p>a) What is PG&amp;E's specific-specific stress index model for new health and mortality?</p> <p>b) How does PG&amp;E utilize its specific-specific stress index model for new health and mortality?</p> <p>c) Please describe the data inputs to this model.</p> <p>d) Please describe the output of the model.</p>	<p>a) A specific-specific stress index model for new health and mortality uses information related to temperature, precipitation, evapotranspiration, and other environmental trends to evaluate issues impacting the health and mortality.</p> <p>b) PG&amp;E has not yet received the information from its vendor needed to develop the stress index model but expects to receive it shortly. Once the information is received, PG&amp;E will perform additional analysis in order to test the feasibility of creating a specific-specific model. PG&amp;E has completed the information in its 6/16/23 WMP filing.</p> <p>c) PG&amp;E has not yet received the model, as described in response to part (b).</p> <p>d) PG&amp;E has not yet received the model, as described in response to part (b).</p>	Holly Wetmore	4/4/2023	4/7/2023	4/7/2023	<a href="https://www.pge.com/about-us/and-topics/electrical-energy/climate-change">https://www.pge.com/about-us/and-topics/electrical-energy/climate-change</a>	0	NA	4.4	Overview of WMP	Risk Normal Framework
39	CAFA	Set WMP-09	CAFA_Set WMP-09	8	CAFA_Set WMP-09_08	<p>P. 129 of PG&amp;E's WMP states:</p> <p>When conducting VM activities, PG&amp;E employees and contractors must adhere to PG&amp;E's Best Management Practices (BMPs) where practicable. BMPs are considered practicable where physically possible and not conflicting with other regulatory obligations or safety considerations (GO 95 Rules 35 and Public Resources Codes 4292 and 4293) or emergency response situations.</p> <p>a) How do VM contractors determine when adherence to BMPs is not "physically possible"?</p> <p>b) How does PG&amp;E and/or its vendors/VM contractors ensure they are adhering to BMPs where practicable?</p> <p>c) How often does PG&amp;E take a field assessment that a VM contractor has not consistently adhered to BMPs where practicable?</p> <p>d) Please list all instances in 2022 where PG&amp;E has determined that a VM contractor did not adhere to BMPs where practicable, as defined above.</p> <p>e) Please list all instances in 2022 where PG&amp;E has determined that a VM contractor did not adhere to BMPs where practicable.</p>	<p>The BMPs referenced on Page 129 of the WMP in TCV 102F-01-001, Best Management Practices (BMPs) are Vegetation Management (VM) controls to ensure compliance with environmental compliance requirements. PG&amp;E makes every effort to comply with the BMPs. If the risk of vegetation related to our assets and potential non-compliance with GO 95 Rules 18.6, PRCs 4292 &amp; 4293, or NRC Standard FAC 003-04 is greater than the potential environmental risk, the BMPs are designed to mitigate, then the priority, vegetation work takes precedence, consistent with 102F-01-001, VM Priority, and 102F-01-001, VM Priority. The following figure provides the VM Priority and Hazard Potential Procedure, and references the following figure provided in the WMP:</p> <ul style="list-style-type: none"> <li>1) Page 188 - Figure PG&amp;E-8.2.1-1: PG&amp;E VM Vegetation Management Procedure</li> <li>2) Page 520 - Figure PG&amp;E-8.2.2-1: PG&amp;E VM Transmission Second Patrol Process</li> <li>3) Page 522 - Figure PG&amp;E-8.2.3-1: PG&amp;E VM Process</li> <li>4) Page 525 - Figure PG&amp;E-8.2.4-1: PG&amp;E VM Distribution Inspection Process</li> <li>5) Page 527 - Figure PG&amp;E-8.2.5-1: PG&amp;E VM Distribution Second Patrol Process</li> <li>6) Page 510 - Figure PG&amp;E-8.2.1-1: Priority 1 and Priority 2 Tree Tags</li> </ul> <p>Contractors who are PG&amp;E VM contractor rights holders that adhere to BMPs is not "physically possible" and does not work would take precedence include:</p> <ul style="list-style-type: none"> <li>1) Limited Duration Period (LDP) either in a weather-related or non-weather-related potential biological impacts (i.e., nesting bird seasons) - our staff is equipped year-round in order to comply with regulatory requirements.</li> <li>2) Safety - When there is a safety concern, the contractor will stop work until safety personnel have completed all required environmental actions.</li> <li>3) PG&amp;E reserves contract BMP adherence through several methods, including: <ul style="list-style-type: none"> <li>PG&amp;E's Environmental Management (EM) performs unannounced field audits of projects submitted for environmental review.</li> <li>When there have been noticeable trends for a particular issue Category of BMP non-compliance, EM will occasionally perform focused field audits.</li> <li>PG&amp;E's vegetation management operations inspection and program managers perform field observations that may include compliance with applicable laws and regulations, as well as conformance to internal BMPs.</li> <li>Corrective actions associated with non-conformance of BMPs vary depending upon the level of risk of the specific issue.</li> </ul> </li> </ul> <p>PG&amp;E BMP non-compliance that are non-compliance of an external regulatory requirement or commitment, the issue is reported to PG&amp;E's Compliance Investigations and Reporting Department (CIR) and the CIR will investigate the issue. Corrective actions may include any of the following:</p> <ul style="list-style-type: none"> <li>1) PG&amp;E may be required to take additional training courses to ensure compliance and understanding of when and how to adhere to BMPs.</li> </ul>	Holly Wetmore	4/4/2023	4/11/2023	4/11/2023	<a href="https://www.pge.com/about-us/and-topics/electrical-energy/climate-change">https://www.pge.com/about-us/and-topics/electrical-energy/climate-change</a>	1	NA	5.4.5	Overview of the Service Territory	Environmental Compliance and Permitting



51	CaPA	Sat WMP-10	CaPA_Sat WMP-10	4	CaPA_Sat WMP-10_Q4	<p>P. 338 of POGE's WMP plans, with regard to DTS-FAS7</p> <p>A project, field test installation was completed on a 15-foot tower in Matanzas and a wood pole in Santa Cruz in 2022. This installation is the first field test of the remote test installation (RTI) in the above scope. In 2022, we filed a non-provisional patent application for DTS-FAS7. For 2023, we have no field installation plans for RTI testing during the coming year.</p> <p>As please provide data on the results of the field test installation in Matanzas.</p> <p>1) Where does POGE expect to begin additional DTS-FAS7 installations?</p> <p>2) Through the end of 2022, how much has POGE spent on DTS-FAS7?</p> <p>3) What portion of your response to part (1) is related to the patent application and examination process?</p> <p>4) What are your forecast costs for DTS-FAS7 through the 2023-2025 period?</p> <p>5) What portion of your response to part (1) is related to the patent application and examination process?</p>	<p>1) DTS-FAS7 is an integrated system of sensors and technologies that are established and available on the market, working together to mitigate wildfire risk. Testing focused on validating sensor functionality in wildfire and utility use scenarios, encompassing functional testing, environmental testing, and long-term resilience testing. Learnings were immediately applied to optimize sensor configuration.</p> <p>2) Sensors - we installed over 25 devices and tested their intended functionality for accuracy and reliability. These are the types of tests performed:</p> <ul style="list-style-type: none"> <li>• Repeatability testing verifies the consistency and reliability of sensor measurements by repeating measurements multiple times and checking the results for consistency. This test criterion ensures that the sensing device provides consistent and repeatable measurements.</li> <li>• Sensitivity testing evaluates the sensor's ability to detect and respond to small changes or variations in input. This is achieved by varying the test parameters and verifying the sensor's output changes accordingly.</li> <li>• Performance testing involves subjecting the sensor to various environmental conditions to ensure it maintains high accuracy and reliability in real-world operating conditions.</li> <li>• Fatigue testing involves subjecting the sensor to various conditions, such as sensor malfunction, signal loss, or power failure, and verifying the sensor's behavior is appropriate and safe during such scenarios.</li> <li>• The key requirement is to test multiple types of sensor devices to verify sensor specifications on operating speed and performance. During our testing, approximately 50% tested successfully. Keep in mind, some of these devices were intentionally degraded to be installed on 15-foot towers. We think most failed due to long exposure to high sustained EMF (Electric Magnetic Field) disturbances or environmental conditions (i.e., temperature, humidity, dust, rain, fog, and vibration. Based on the extensive testing conducted across field installation (i.e., test environments) and after installation at Matanzas, and the lessons learned from these results, it has been determined that relying solely on manufacturer specifications may not be sufficient - it is recommended to conduct testing of the equipment based on the specific application requirements in the specific environment of use to ensure reliable performance. For example, a specific sensor manufacturer may specify an IP55 test protection rating, but in our test installation use cases, the data shows 600 feet is the maximum functional operating distance before we get false alarms. Due to the disparity between the manufacturer's specifications and our field test results, we have updated our testing protocol to include testing in the specific application environment to ensure reliable performance.</li> </ul> <p>3) We have implemented a major factor in the sensor's performance under different conditions that may affect its operation such as long-term exposure to environmental conditions. We have updated our testing protocol to include testing in the specific application environment to ensure reliable performance.</p> <p>4) We have implemented a major factor in the sensor's performance under different conditions that may affect its operation such as long-term exposure to environmental conditions. We have updated our testing protocol to include testing in the specific application environment to ensure reliable performance.</p> <p>5) We have implemented a major factor in the sensor's performance under different conditions that may affect its operation such as long-term exposure to environmental conditions. We have updated our testing protocol to include testing in the specific application environment to ensure reliable performance.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Emerging Grid Hardening Technology Initiatives and Pilots
52	CaPA	Sat WMP-10	CaPA_Sat WMP-10	5	CaPA_Sat WMP-10_Q5	<p>P. 337 of POGE's WMP plans. 1) Applied. DTS-FAS7 could have a significant impact on wildfire risk where deployed.</p> <p>2) Please specify the phases a) significant impact on wildfire risk in the above scope.</p> <p>3) Please provide any workplans or studies to support your answer to part (b).</p>	<p>1) We have implemented a major factor in the sensor's performance under different conditions that may affect its operation such as long-term exposure to environmental conditions. We have updated our testing protocol to include testing in the specific application environment to ensure reliable performance.</p> <p>2) We have implemented a major factor in the sensor's performance under different conditions that may affect its operation such as long-term exposure to environmental conditions. We have updated our testing protocol to include testing in the specific application environment to ensure reliable performance.</p> <p>3) We have implemented a major factor in the sensor's performance under different conditions that may affect its operation such as long-term exposure to environmental conditions. We have updated our testing protocol to include testing in the specific application environment to ensure reliable performance.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.2.1	Grid Design and System Hardening	Emerging Grid Hardening Technology Initiatives and Pilots
53	CaPA	Sat WMP-10	CaPA_Sat WMP-10	6	CaPA_Sat WMP-10_Q6	<p>P. 464 of POGE's WMP plans. 1) In 2022, we reduced the Customer Average Interruption Duration Index (CAIDI) and Customer Empowering a Standard Outage (CESO) for customers served by EPSS-eligible lines in 2022 compared to the 2021 program plan.</p> <p>2) Please provide the CAIDI value for all HTD customers for each year from 2019-2022.</p> <p>3) Please provide the CESO value for all HTD customers for each year from 2019-2022.</p>	<p>"Please see 'WMP-Changes2023_DR_CalDocucoms_010-G0404601.xlsx'."</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	1	NA	8.1.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
54	CaPA	Sat WMP-10	CaPA_Sat WMP-10	7	CaPA_Sat WMP-10_Q7	<p>P. 464 of POGE's WMP plans. 1) 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. 2) The above table reflects the data for the period of 2022. What time period is the data drawn from? In other words, the 42-minute figure is an average of response times in what period of time?</p>	<p>The 42-minute figure is an average of the response time to all outages on EPSS-protected circuits in 2022 since EPSS Outage Response Time tracking began. The timeframe for tracking is May 23, 2022 - December 31, 2022.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
55	CaPA	Sat WMP-10	CaPA_Sat WMP-10	8	CaPA_Sat WMP-10_Q8	<p>P. 464 of POGE's WMP plans. 1) 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. 2) For all outages on EPSS-enabled lines in all of 2022, provide the following:</p> <p>a) Average response time</p> <p>b) 20th 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>	<p>2022 EPSS OUTAGE RESPONSE TIME</p> <p>20TH PERCENTILE RESPONSE TIME</p> <p>MEDIAN (50TH PERCENTILE) RESPONSE TIME</p> <p>75TH PERCENTILE RESPONSE TIME</p> <p>LONGEST RESPONSE TIME</p> <p>42</p> <p>Minutes</p> <p>27</p> <p>Minutes</p> <p>39</p> <p>Minutes</p> <p>62</p> <p>Minutes</p> <p>100</p> <p>Minutes</p> <p>Note: Table values reflect available data since EPSS Outage Response Time tracking began. The timeframe for tracking is May 23, 2022 - December 31, 2022.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
56	CaPA	Sat WMP-10	CaPA_Sat WMP-10	9	CaPA_Sat WMP-10_Q9	<p>P. 464 of POGE's WMP plans. 1) 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. 2) For the 11 percent of outages listed in the above table that POGE did not respond within 60 minutes, provide the following:</p> <p>a) Average response time</p> <p>b) Longest response time</p>	<p>AVERAGE RESPONSE TIME FOR RESPONSES &gt; 60 MINUTES</p> <p>LONGEST RESPONSE TIME</p> <p>55</p> <p>Minutes</p> <p>108</p> <p>Minutes</p> <p>Note: Table values reflect available data since EPSS Outage Response Time tracking began. The timeframe for tracking is May 23, 2022 - December 31, 2022.</p> <p>a) The function that has been historically referred to as "quality verification" is in fact a component of the QA program for systems inspection and will be referred to as "QA" rather than "QV" moving forward. We have made significant progress in the work and the program has been improved.</p> <p>b) QA is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p> <p>c) Quality verification (QV) function as of performance 2022 that provides analysis and program value. The function has been referred to as QV as included within the QA program referred to above.</p> <p>d) QA is a statistically valid sample of QC complete reviews. Sample sizes are based on completed QC work. QC audits will be ongoing so long as QC is operational.</p> <p>e) QV functions are documented in the electronic QC Review Assessment forms. Dashboards are used to show trends and any discrepancies using pre-determined metrics. Stakeholders use these QC Dashboard results to provide WMP-Changes2023_DR_CalDocucoms_010-0210 Page 7 training and coaching and to develop corrective actions for training materials/procedure updates."</p> <p>f) We are not presently aware of any probable limitations of the QA program. However, as the program continues, efforts will be taken to proactively identify limitations as they arise.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
57	CaPA	Sat WMP-10	CaPA_Sat WMP-10	10	CaPA_Sat WMP-10_Q10	<p>P. 441 of POGE's WMP plans. 1) In 2022, we implemented a QA (quality assurance) program for systems inspection.</p> <p>2) Please describe the main features of the QA program that POGE plans to implement.</p> <p>3) What are the probable limitations of the QA program that POGE plans to implement?</p>	<p>a) The quality team is currently undergoing a thorough review of the prior QV procedures as an initial step in the development of updated procedures.</p> <p>b) Expected completion of the work is the end of the third quarter of 2023.</p> <p>c) The planned updates improve POGE's existing QV procedures to accurately reflecting the QV role in the holistic systems inspection throughout.</p> <p>d) Please note that page 21 of our 2023 WMP which defines external factors includes: "Several Factors represent reasonable circumstances which may impact execution against targets, objectives, other work, or performance metrics including, but not limited to, physical conditions, weather/air quality, environmental delays, customer delays or non-compliance, permitting delays/revisions, weather conditions, removed or distressed assets, active wildfires, exceptions or work stoppages to regulatory/utility requirements, and other safety considerations." Specifically, each of the items identified in the definition could apply to our asset tag work and cause our work to be delayed. As an example, the severe and repeated storms in the first quarter of 2022 have caused delays in performing our asset tag work and fall under the category of external factors.</p> <p>e) Physical conditions: To mitigate the impacts of physical conditions, we work with our leadership and strategy teams to create solutions specifically tailored to the individual situation. However, despite these efforts, there are times when we must simply accept the removal of the external physical conditions in order to proceed with work as there is no other reasonable alternative.</p> <p>f) Weather/air quality: To mitigate the impacts of weather/air quality, we work with our local government affairs team to help resolve the issues in the most efficient way possible so that we can proceed with work.</p> <p>g) Environmental delays: To mitigate the impacts of environmental delays, we work with our leadership and strategy teams to create solutions specifically tailored to the individual situation. However, despite these efforts, there are times when we must simply accept the removal of the external environmental conditions in order to proceed with work as there is no other reasonable alternative.</p> <p>h) Customer delays or non-compliance: To mitigate the impacts of customer delays or non-compliance, we work with our local government affairs team to resolve the delays and/or restrictions as expeditiously as possible and to proceed with work.</p> <p>i) Permitting delays/revisions: To mitigate the impacts of permitting delays and restrictions, we work with our leadership and strategy teams to help the delays or restrictions resolved as expeditiously as possible and to proceed with work.</p> <p>j) Weather conditions: To mitigate the impacts of weather conditions, we work with our leadership, strategy, and regulatory teams to create solutions specifically tailored to the individual situation. However, despite these efforts, there are times when we must simply accept the end of the weather conditions in order to proceed with work as there is no other reasonable alternative.</p> <p>k) Removed or distressed assets: When removed or distressed assets are discovered, we assess the asset condition and proceed with work.</p> <p>l) Active wildfires: During active wildfires, we focus on emergency operations and assisting impacted customers. When we meet external wildfire conditions that are removed to proceed with work, we also plan for these situations with our emergency planning and preparedness teams.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.1.1	Quality Assurance and Quality Control	Quality Assurance
58	CaPA	Sat WMP-10	CaPA_Sat WMP-10	11	CaPA_Sat WMP-10_Q11	<p>P. 441 of POGE's WMP plans. 1) In 2022, we implemented a QA (quality assurance) program for systems inspection.</p> <p>2) Please describe the main features of the QA program that POGE plans to implement.</p> <p>3) What are the probable limitations of the QA program that POGE plans to implement?</p>	<p>a) The quality team is currently undergoing a thorough review of the prior QV procedures as an initial step in the development of updated procedures.</p> <p>b) Expected completion of the work is the end of the third quarter of 2023.</p> <p>c) The planned updates improve POGE's existing QV procedures to accurately reflecting the QV role in the holistic systems inspection throughout.</p> <p>d) Please note that page 21 of our 2023 WMP which defines external factors includes: "Several Factors represent reasonable circumstances which may impact execution against targets, objectives, other work, or performance metrics including, but not limited to, physical conditions, weather/air quality, environmental delays, customer delays or non-compliance, permitting delays/revisions, weather conditions, removed or distressed assets, active wildfires, exceptions or work stoppages to regulatory/utility requirements, and other safety considerations." Specifically, each of the items identified in the definition could apply to our asset tag work and cause our work to be delayed. As an example, the severe and repeated storms in the first quarter of 2022 have caused delays in performing our asset tag work and fall under the category of external factors.</p> <p>e) Physical conditions: To mitigate the impacts of physical conditions, we work with our leadership and strategy teams to create solutions specifically tailored to the individual situation. However, despite these efforts, there are times when we must simply accept the removal of the external physical conditions in order to proceed with work as there is no other reasonable alternative.</p> <p>f) Weather/air quality: To mitigate the impacts of weather/air quality, we work with our local government affairs team to help resolve the issues in the most efficient way possible so that we can proceed with work.</p> <p>g) Environmental delays: To mitigate the impacts of environmental delays, we work with our leadership and strategy teams to create solutions specifically tailored to the individual situation. However, despite these efforts, there are times when we must simply accept the removal of the external environmental conditions in order to proceed with work as there is no other reasonable alternative.</p> <p>h) Customer delays or non-compliance: To mitigate the impacts of customer delays or non-compliance, we work with our local government affairs team to resolve the delays and/or restrictions as expeditiously as possible and to proceed with work.</p> <p>i) Permitting delays/revisions: To mitigate the impacts of permitting delays and restrictions, we work with our leadership and strategy teams to help the delays or restrictions resolved as expeditiously as possible and to proceed with work.</p> <p>j) Weather conditions: To mitigate the impacts of weather conditions, we work with our leadership, strategy, and regulatory teams to create solutions specifically tailored to the individual situation. However, despite these efforts, there are times when we must simply accept the end of the weather conditions in order to proceed with work as there is no other reasonable alternative.</p> <p>k) Removed or distressed assets: When removed or distressed assets are discovered, we assess the asset condition and proceed with work.</p> <p>l) Active wildfires: During active wildfires, we focus on emergency operations and assisting impacted customers. When we meet external wildfire conditions that are removed to proceed with work, we also plan for these situations with our emergency planning and preparedness teams.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.1.1	Quality Assurance and Quality Control	Quality Assurance
59	CaPA	Sat WMP-10	CaPA_Sat WMP-10	12	CaPA_Sat WMP-10_Q12	<p>P. 450 of POGE's WMP plans. 1) Along with reducing wildfire risk related to backing ignition risk tags in HF TDHFA, the BC (California) wildfire risk January 1st, 2023 HF TDHFA ignition risk tags will be completed in compliance with GO 95 in 18 months. 2) Please describe the main features of the QA program that POGE plans to implement.</p> <p>3) What are the probable limitations of the QA program that POGE plans to implement?</p> <p>4) Please describe the main features of the QA program that POGE plans to implement.</p> <p>5) What are the probable limitations of the QA program that POGE plans to implement?</p>	<p>a) The quality team is currently undergoing a thorough review of the prior QV procedures as an initial step in the development of updated procedures.</p> <p>b) Expected completion of the work is the end of the third quarter of 2023.</p> <p>c) The planned updates improve POGE's existing QV procedures to accurately reflecting the QV role in the holistic systems inspection throughout.</p> <p>d) Please note that page 21 of our 2023 WMP which defines external factors includes: "Several Factors represent reasonable circumstances which may impact execution against targets, objectives, other work, or performance metrics including, but not limited to, physical conditions, weather/air quality, environmental delays, customer delays or non-compliance, permitting delays/revisions, weather conditions, removed or distressed assets, active wildfires, exceptions or work stoppages to regulatory/utility requirements, and other safety considerations." Specifically, each of the items identified in the definition could apply to our asset tag work and cause our work to be delayed. As an example, the severe and repeated storms in the first quarter of 2022 have caused delays in performing our asset tag work and fall under the category of external factors.</p> <p>e) Physical conditions: To mitigate the impacts of physical conditions, we work with our leadership and strategy teams to create solutions specifically tailored to the individual situation. However, despite these efforts, there are times when we must simply accept the removal of the external physical conditions in order to proceed with work as there is no other reasonable alternative.</p> <p>f) Weather/air quality: To mitigate the impacts of weather/air quality, we work with our local government affairs team to help resolve the issues in the most efficient way possible so that we can proceed with work.</p> <p>g) Environmental delays: To mitigate the impacts of environmental delays, we work with our leadership and strategy teams to create solutions specifically tailored to the individual situation. However, despite these efforts, there are times when we must simply accept the removal of the external environmental conditions in order to proceed with work as there is no other reasonable alternative.</p> <p>h) Customer delays or non-compliance: To mitigate the impacts of customer delays or non-compliance, we work with our local government affairs team to resolve the delays and/or restrictions as expeditiously as possible and to proceed with work.</p> <p>i) Permitting delays/revisions: To mitigate the impacts of permitting delays and restrictions, we work with our leadership and strategy teams to help the delays or restrictions resolved as expeditiously as possible and to proceed with work.</p> <p>j) Weather conditions: To mitigate the impacts of weather conditions, we work with our leadership, strategy, and regulatory teams to create solutions specifically tailored to the individual situation. However, despite these efforts, there are times when we must simply accept the end of the weather conditions in order to proceed with work as there is no other reasonable alternative.</p> <p>k) Removed or distressed assets: When removed or distressed assets are discovered, we assess the asset condition and proceed with work.</p> <p>l) Active wildfires: During active wildfires, we focus on emergency operations and assisting impacted customers. When we meet external wildfire conditions that are removed to proceed with work, we also plan for these situations with our emergency planning and preparedness teams.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.2	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 POGE-8.1.7.1 p. 451 of POGE's WMP plans. 1) Field Safety Reassessment (FSR) performed annually on all dependent tags to confirm Priority B Notification has not escalated to Priority A or C.</p> <p>2) Under POGE's current procedures and policies, can a FSR be conducted to expedite the priority of a notification?</p> <p>3) Under POGE's current procedures and policies, can a FSR be used to extend the due date of a notification beyond GO 95 in 18 months? Please explain your answer.</p>	<p>a) The quality team is currently undergoing a thorough review of the prior QV procedures as an initial step in the development of updated procedures.</p> <p>b) Expected completion of the work is the end of the third quarter of 2023.</p> <p>c) The planned updates improve POGE's existing QV procedures to accurately reflecting the QV role in the holistic systems inspection throughout.</p> <p>d) Please note that page 21 of our 2023 WMP which defines external factors includes: "Several Factors represent reasonable circumstances which may impact execution against targets, objectives, other work, or performance metrics including, but not limited to, physical conditions, weather/air quality, environmental delays, customer delays or non-compliance, permitting delays/revisions, weather conditions, removed or distressed assets, active wildfires, exceptions or work stoppages to regulatory/utility requirements, and other safety considerations." Specifically, each of the items identified in the definition could apply to our asset tag work and cause our work to be delayed. As an example, the severe and repeated storms in the first quarter of 2022 have caused delays in performing our asset tag work and fall under the category of external factors.</p> <p>e) Physical conditions: To mitigate the impacts of physical conditions, we work with our leadership and strategy teams to create solutions specifically tailored to the individual situation. However, despite these efforts, there are times when we must simply accept the removal of the external physical conditions in order to proceed with work as there is no other reasonable alternative.</p> <p>f) Weather/air quality: To mitigate the impacts of weather/air quality, we work with our local government affairs team to help resolve the issues in the most efficient way possible so that we can proceed with work.</p> <p>g) Environmental delays: To mitigate the impacts of environmental delays, we work with our leadership and strategy teams to create solutions specifically tailored to the individual situation. However, despite these efforts, there are times when we must simply accept the removal of the external environmental conditions in order to proceed with work as there is no other reasonable alternative.</p> <p>h) Customer delays or non-compliance: To mitigate the impacts of customer delays or non-compliance, we work with our local government affairs team to resolve the delays and/or restrictions as expeditiously as possible and to proceed with work.</p> <p>i) Permitting delays/revisions: To mitigate the impacts of permitting delays and restrictions, we work with our leadership and strategy teams to help the delays or restrictions resolved as expeditiously as possible and to proceed with work.</p> <p>j) Weather conditions: To mitigate the impacts of weather conditions, we work with our leadership, strategy, and regulatory teams to create solutions specifically tailored to the individual situation. However, despite these efforts, there are times when we must simply accept the end of the weather conditions in order to proceed with work as there is no other reasonable alternative.</p> <p>k) Removed or distressed assets: When removed or distressed assets are discovered, we assess the asset condition and proceed with work.</p> <p>l) Active wildfires: During active wildfires, we focus on emergency operations and assisting impacted customers. When we meet external wildfire conditions that are removed to proceed with work, we also plan for these situations with our emergency planning and preparedness teams.</p>	Holly Wetman	4/20/23	4/10/2023	4/10/2023	0	NA	8.1.2	Open Work Orders	Open Work Orders - Distribution Tags

























171	TURN	004	TURN_004	2	TURN_004_Q2	Regarding Table PG&E-22-25-1 (PSPS Events Lookback Analysis) on page 972 of PG&E's 2023-2025 WMP: If a wind turbine is normally, provide a verbal description of all wind data used from the turbines in each column were calculated. Provide the data in the final format.	Tom Long	4/12/2023	4/17/2023	4/17/2023	<a href="https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis">https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-35 Quarterly Mitigation Benefits of Reducing PSPS Cycles, Scope, and Frequency
172	TURN	004	TURN_004	3	TURN_004_Q3	Regarding PG&E's response to ACI PG&E-22-35, beginning on page 971 of the WMP: A. Please identify each mitigation discussed in PG&E's current WMP or in 2022 WMP that has the potential to impact the scale, scope, frequency, or duration of PSPS events. B. Please explain why Table 22-35-1 only looks at the impact of mitigation, underpinning and MGO, and does not consider the other mitigations identified in response to subject (a). C. Please provide all PG&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 response to subject (a). D. Regarding the statement on page 971: "We concluded that none of the 2022 mitigation initiatives eliminated any event." E. Please identify each of the "2022 mitigation initiatives" that are referenced in this statement. F. In the context of the statement that none of the 2022 mitigation initiatives reduced the scale, scope, frequency or duration of any event: first, please explain what is meant by the statement and how it relates to the analysis presented in Table 22-35-1.	Tom Long	4/12/2023	4/17/2023	4/17/2023	<a href="https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis">https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis</a>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-35 Quarterly Mitigation Benefits of Reducing PSPS Cycles, 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	I FR in the attached spreadsheet "Wildfire Mitigation Table DR - PG&E" the first tab is a "Discovery" which all need to be completed with data required from PG&E.	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	<a href="https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis">https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis</a>	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	In PG&E 2023 WMP, PG_Section_042_A0101: SPD has observed the mitigation effectiveness of Covered Conductors on the order of 49% compared to the value reported in the WMP which is 64%. Explain the discrepancy.	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	<a href="https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis">https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis</a>	0	NA	8.1.2.1	Grid Design and System Hardening	Covered Conductor Installation - Distributor
175	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division)_003_03	3	CPUC - SPD (Safety Policy Division)_003_03	3 Confirm or revise PG&E's Butte County OH to UG conversion factor in the 2023-2025 WMP currently 1.57 in the CPUC based on actual and estimated UG miles for 2023-2025 in the PG&E 2023 OPR Reply Brief (see 2.2) PG&E's current 2.00 SPW miles, MW 8000 and 100 Butte County UG miles (with SPW) for 2023-2025.	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	<a href="https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis">https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distributor
176	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division)_003_04	4	CPUC - SPD (Safety Policy Division)_003_04	4. Based on WSPS' initial review of the wildfire ignitions and general understanding of PG&E's underpinning program, it appears that underpinning would have prevented only 67% of CPUC-eligible ignitions in the HFD area between 2012-2022 primarily due to the impact of secondary and tertiary conductors. Additionally, SPD noted that CPUC-eligible ignitions in PG&E history during 2022 which were related to underpinning. The data used in the ignition data spreadsheet: "Wildfire and WSPS Data (no SPW)". Please note: WSPS is still working in data and determining the best methodology to analyze the data. A. Provide the justification for the 67% mitigation effectiveness rate for underpinning reported in the Wildfire Mitigation Plan. Explain how secondary, service conductor, and underground ignitions are accounted for in the 67% mitigation effectiveness. B. Provide the percentage of CPUC-eligible ignitions in the HFD that underpinning would be expected to prevent, accounting for secondary and service conductors. C. Provide a description of each CPUC-eligible ignition related to underpinning that occurred in 2022 and describe how PG&E's underpinning approach would or would not mitigate the ignition. D. SPD's general understanding is that ignitions from secondary conductors and service lines are accounted for in the methodology for calculating the effectiveness for both covered conductors and EPSS, but the risk does not appear to be accounted for in the same way that ignitions from underground facilities. Explain the difference in the methodology for how the 67% mitigation effectiveness for underpinning is calculated as compared to the 67% mitigation effectiveness for covered conductors and 67% effectiveness for EPSS. E. Explain how the mitigation effectiveness is applied to the risk calculation such that approach used in PG&E 2023 WMP, PG_Section_042_A0101 and contrast this approach to the approach used for covered conductor and EPSS. F. Provide the number of CPUC-eligible ignitions related to HFD in secondary and service conductors for each year starting in 2014 onward.	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	<a href="https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis">https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis</a>	1	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distributor
177	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division)_003_05	5	CPUC - SPD (Safety Policy Division)_003_05	5. Regarding the UG exemption table provided by PG&E 2023-05-27_PG&E_2023_WMP_RD_Appendix DACI PG&E-22-35_A0101_C006: Why does Column "D" "Risk Rank (VZ) begin at Rank 1 (as opposed to 1) for circuits? Why do the rows in rank 1 exist? Why does rank 2 exist? Why does rank 3 exist? Why do the rows in rank 1 exist?	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	<a href="https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis">https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis</a>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-16 - Progress and Updates on Vegetation Management Maturity
178	OEIS	002	OEIS_002	1	OEIS_002_Q1	A. The PG&E used to Targeted Tree Species study to identify additional clearances for and high inventory of trees with the highest growth and highest biomass potential? If so, when the results and how PG&E has used the results in its programs. If not, please explain PG&E's plan to provide and provide a timeline for completion and implementation. B. The PG&E reviewed the Process and Procedures for collecting and enhancing checks for field inspections and current clearance activities. If so, explain the results and how PG&E has used the results in its programs. If not, please explain PG&E's plan to provide and provide a timeline for completion and implementation. C. No, explain the results and how PG&E has used the results in its programs. If not, please explain PG&E's plan to provide and provide a timeline for completion and implementation. D. The PG&E evaluated the feasibility of developing a multi-year historical tree data set? If so, explain the results and how PG&E has used the results in its programs. If not, please explain PG&E's plan to provide and provide a timeline for completion and implementation.	Colin Lang	4/13/2023	4/18/2023	4/18/2023	<a href="https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis">https://www.pge.com/buy/guided/customer/enquiry/submit?enquiry=turning-wind-turbine-lookback-analysis</a>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-04 - Progression of Vegetation Management Maturity
INTERNAL																





199	CaPA	Set WMP-16	CaPA_Set WMP-16	4	CaPA_Set WMP-16_O4	<p>Please explain PG&amp;E's selection criteria for where to install the following equipment on underground circuits as SCADA ICS locations:</p> <ol style="list-style-type: none"> <li>1) Load break elbows</li> </ol>	<p>SCADA underground switches are typically only installed at mainline substations. The 3-way SCADA switch can have up to five positions installed with SCADA ties to the space concerned on the top of the switch. Additionally, communications signal to enable SCADA is not always available at the location where we would otherwise like to install a SCADA-enabled switch. Where SCADA-enabled switches are preferred at these locations (mainline substations where communication are available), it is at the discretion of the Electric Distribution Planning Engineer to specify the appropriate device as part of the project design.</p> <ol style="list-style-type: none"> <li>1) PG&amp;E installs junction boxes on both mainline (800 Amp, 600A and 400A) and sub-feed (200A) systems.</li> <li>1) A mainline junction is the connection of multiple 600A separable connectors tied together in a substructure enclosure and mounted on a wall of the enclosure. This connection could also include a 200A elbow mounted on top to feed a nearby sub-feed. PG&amp;E typically designs the underground system such that there is a substructure device at every other enclosure, allowing the use of a single junction in between. (Technically speaking, this design approach is due to the 600A single junctions being 4' deep.)</li> <li>1) Having a dead-bus device requiring a clearance to open.</li> <li>1) A sub-feed junction is typically a bus bar mounted on the wall of a substructure enclosure. These can be 4-way or 3-way connections. These are typically designed to sub-back on 200A cables and are not used for 200A loads, but they can be used to connect a single transformer on a top junction if it is more cost efficient the top and out of a transformer. In some cases, the 200A junction can also be pad-mounted (installed inside a pad-mounted substructure).</li> <li>1) The use of 200A Load-Break (LB) elbows is required when terminating 200A cables (ending the cable run, generally into a piece of equipment like a transformer) on all substructure installations installed after July 2016. The use of 200A LB elbows has been required for terminating 200A cables on most new pad-mounted installations since the early 1990s. Please note that when performing work on existing underground systems that requires the replacement or installation of 200A Dead Break (DB) elbows, it may not be feasible to convert 200A DB to LB elbows. The normal height of the 200-amp LB elbows is 12" taller than the existing DB elbows and the enclosure covers would be able to be securely closed when placed on an installed or provided subfeed in the enclosure. In the cases where a LB elbow cannot fit inside the existing enclosure, LB elbows are accepted for use.</li> </ol>	Holly Wetman	4/18/2023	4/21/2023	4/21/2023	<a href="https://www.pge.com/bgg-pub/gov/comments/feedback/underground-switches-replacement">https://www.pge.com/bgg-pub/gov/comments/feedback/underground-switches-replacement</a>	0	NA	8.1.2	Grid Design and System Hardening	Other Grid Topology Improvements to Increase Rate of Return																												
200	CaPA	Set WMP-16	CaPA_Set WMP-16	5	CaPA_Set WMP-16_O5	<p>Please explain PG&amp;E's selection criteria for where to install the following equipment on underground circuits:</p> <ol style="list-style-type: none"> <li>1) Pad-mounted transformers</li> <li>1) Substructure transformers</li> </ol>	<p>PG&amp;E's standard is to install pad-mounted transformers on underground circuits where transformers are needed. Due the response is subject to when a pad-mounted may not be used in favor of a substructure transformer. For residential customers, we prefer to install pad-mounted transformers in the street (franchise, easement, or right-of-way areas for multiple customers or on the customer's property for a single service. For non-residential customers, the preference is to install pad-mounted transformers outside / adjacent to the building on a concrete pad.</p> <ol style="list-style-type: none"> <li>1) Substructure transformers are typically not installed unless it is required to support asset acquisition, there is no space available for a pad-mounted transformer to be installed, or it is otherwise specified due to project-specific concerns. Reasons that substructure transformers are not preferred include that a substructure transformer located in an enclosure where the air circulation is restricted and the ambient temperature is high, such as in the Central Valley or some of the SFV areas that see high summer temperatures, they are not as readily accessible as remote locations due to excessive temperature. Space is also limited in a substructure enclosure, so load requirements that influence the size of the transformer may limit the option of installing a substructure transformer.</li> <li>1) Where space is needed, the preferred location for a substructure transformer (from most preferred to least preferred) is generally:       <ol style="list-style-type: none"> <li>i. On a column</li> <li>ii. In a planned area between the curb and the sidewalk.</li> <li>iii. In the sidewalk.</li> <li>iv. In the paved portion of a parking lot.</li> <li>v. In the parking shoulder area of a street.</li> </ol> </li> <li>1) In the subgrade section of an alleyway.</li> </ol>	Holly Wetman	4/18/2023	4/21/2023	4/21/2023	<a href="https://www.pge.com/bgg-pub/gov/comments/feedback/underground-switches-replacement">https://www.pge.com/bgg-pub/gov/comments/feedback/underground-switches-replacement</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment																												
201	CaPA	Set WMP-16	CaPA_Set WMP-16	6	CaPA_Set WMP-16_O6	<p>For each of the undergrounding projects that PG&amp;E has planned for 2023, please answer the following questions on each project:</p> <ol style="list-style-type: none"> <li>1) How many SCADA underground switches will be installed?</li> <li>1) How many overhead switches will be removed?</li> <li>1) How many tie switches to adjacent circuits currently exist?</li> <li>1) How many OH tie switches to adjacent circuits will be removed?</li> <li>1) How many tie switches (OH or LG) will exist when the project is complete?</li> <li>1) How many SCADA overhead switches will be removed?</li> <li>1) How many SCADA underground switches will be installed as tie points to adjacent circuits?</li> <li>1) How many pad-mounted transformers will be installed?</li> <li>1) How many pad-mounted transformers will be removed?</li> <li>1) How many junction boxes will be installed?</li> <li>1) How many junction boxes will be installed for sectionalizing?</li> <li>1) How many load break elbows will be installed?</li> <li>1) How many load break elbows will be installed for sectionalizing?</li> <li>1) How many load break elbows will be installed as tie points to adjacent circuits?</li> <li>1) How many handhubs will be installed?</li> <li>1) How many handhubs will be installed?</li> </ol>	<p>PG&amp;E objects to this request as overhead and underground. We do not maintain the requested information in a manner that allows it to be aggregated without a manual review of each project's engineering and construction documentation. Manually collecting the data across hundreds of projects would require significant time and resources and the development of multiple processes to ensure data accuracy. If you would like to discuss this request further, please feel free to reach out to us.</p>	Holly Wetman	4/18/2023	4/21/2023	4/21/2023	<a href="https://www.pge.com/bgg-pub/gov/comments/feedback/underground-switches-replacement">https://www.pge.com/bgg-pub/gov/comments/feedback/underground-switches-replacement</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment																												
201	CaPA	Set WMP-16	CaPA_Set WMP-16	6(x)	CaPA_Set WMP-16_O6(x)	<p>For each of the undergrounding projects that PG&amp;E has planned for 2023, please answer the following questions on each project:</p> <ol style="list-style-type: none"> <li>1) How many SCADA underground switches will be installed?</li> <li>1) How many overhead switches will be removed?</li> <li>1) How many tie switches to adjacent circuits currently exist?</li> <li>1) How many OH tie switches to adjacent circuits will be removed?</li> <li>1) How many tie switches (OH or LG) will exist when the project is complete?</li> <li>1) How many SCADA overhead switches will be removed?</li> <li>1) How many SCADA underground switches will be installed as tie points to adjacent circuits?</li> <li>1) How many pad-mounted transformers will be installed?</li> <li>1) How many pad-mounted transformers will be removed?</li> <li>1) How many junction boxes will be installed?</li> <li>1) How many junction boxes will be installed for sectionalizing?</li> <li>1) How many load break elbows will be installed?</li> <li>1) How many load break elbows will be installed for sectionalizing?</li> <li>1) How many load break elbows will be installed as tie points to adjacent circuits?</li> <li>1) How many handhubs will be installed?</li> <li>1) How many handhubs will be installed?</li> </ol>	<p>PG&amp;E objects to this request as overhead and underground. We do not maintain the requested information in a manner that allows it to be aggregated without a manual review of each project's engineering and construction documentation. Manually collecting the data across hundreds of projects would require significant time and resources and the development of multiple processes to ensure data accuracy. If you would like to discuss this request further, please feel free to reach out to us.</p> <p>Revised:</p> <p>In response to a request to provide the results of a manual review of a few projects, PG&amp;E completed this review in a series of four projects at Clark Road (1022 LRI) DB Phase 1, 1, 1, 1. A PG&amp;E is providing the total quantities for the four projects that are completed on the same circuit. The following tables are the associated projects that can be found on our undergrounding webpage: 10220011, 10220010, 10220013, 10220011. Dates were also provide the assumptions used to collect this information.</p> <p>PG&amp;E assumes "SCADA underground switches installed" includes both pad-mounted and sub-structure SCADA devices. Because these devices often have multiple positions enabled (e.g. three-way switch), PG&amp;E also collected the number of SCADA underground devices as these are not always 1:</p> <ol style="list-style-type: none"> <li>i. SCADA underground devices - 1</li> <li>ii. SCADA switches removed - 1</li> </ol> <p>PG&amp;E assumes "Overhead switches removed" to include both mainline and tie-line switches. Production devices that can be operated as switches, bypass switches and other devices are included as part of recloser packages:</p> <ol style="list-style-type: none"> <li>i. Overhead Switches Removed - 1</li> <li>ii. SCADA switches "to switches to adjacent circuits" are only included if part of the project reviewed and excludes ties to bus</li> <li>iii. 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202	CaPA	Set WMP-16	CaPA_Set WMP-16	7	CaPA_Set WMP-16_O7	<p>For each of the undergrounding projects that PG&amp;E has planned for 2024, please answer the following questions on each project:</p> <ol style="list-style-type: none"> <li>1) How many SCADA underground switches will be installed in each circuit.</li> <li>1) How many overhead switches will be removed?</li> <li>1) How many tie switches to adjacent circuits currently exist?</li> <li>1) How many OH tie switches to adjacent circuits will be removed?</li> <li>1) How many tie switches (OH or LG) will exist when the project is complete?</li> <li>1) How many SCADA overhead switches will be removed?</li> <li>1) How many SCADA underground switches will be installed as tie points to adjacent circuits?</li> <li>1) How many pad-mounted transformers will be installed?</li> <li>1) How many pad-mounted transformers will be removed?</li> <li>1) How many junction boxes will be installed?</li> <li>1) How many junction boxes will be installed for sectionalizing?</li> <li>1) How many load break elbows will be installed?</li> <li>1) How many load break elbows will be installed for sectionalizing?</li> <li>1) How many load break elbows will be installed as tie points to adjacent circuits?</li> <li>1) How many handhubs will be installed?</li> <li>1) How many handhubs will be installed?</li> </ol>	<p>PG&amp;E objects to this request as overhead and underground. We do not maintain the requested information in a manner that allows it to be aggregated without a manual review of each project's engineering and construction documentation. Manually collecting the data across hundreds of projects would require significant time and resources and the development of multiple processes to ensure data accuracy. If you would like to discuss this request further, please feel free to reach out to us.</p>	Holly Wetman	4/18/2023	4/21/2023	4/21/2023	<a href="https://www.pge.com/bgg-pub/gov/comments/feedback/underground-switches-replacement">https://www.pge.com/bgg-pub/gov/comments/feedback/underground-switches-replacement</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment																												
203	CaPA	Set WMP-16	CaPA_Set WMP-16	8	CaPA_Set WMP-16_O8	<p>8.1.2.3. Distribution Pole Replacements and Reinforcements</p> <p>Page 352 of PG&amp;E's WMP states: "Pole replacement and reinforcement reduce outage likelihood which decreases the chance of the area being impacted in future PSPF events. These programs also support public and employee safety because they improve the overall health of the distribution system."</p> <p>Request provide the average, median, minimum and maximum age of poles that PG&amp;E:</p> <ol style="list-style-type: none"> <li>1) Replaced in 2020</li> <li>1) Replaced in 2021</li> <li>1) Replaced in 2022</li> <li>1) Replaced in 2022</li> </ol>	<p>(i) The average, median, minimum and maximum age of poles in years replaced in 2020, 2021, and 2022 are as follows:</p> <table border="1"> <tr><td>2020</td></tr> <tr><td>2021</td></tr> <tr><td>Average</td></tr> <tr><td>49</td></tr> <tr><td>49</td></tr> <tr><td>Median</td></tr> <tr><td>47</td></tr> <tr><td>48</td></tr> <tr><td>Minimum</td></tr> <tr><td>46</td></tr> <tr><td>Maximum</td></tr> <tr><td>50</td></tr> <tr><td>51</td></tr> <tr><td>50</td></tr> <tr><td>51</td></tr> <tr><td>Median</td></tr> <tr><td>51</td></tr> </table> <p>(ii) PG&amp;E's form of pole repair discussed in Section 8.1.2.3 of the WMP is to reinforce the pole with a steel band. As such, the age of poles provided below is specific to poles reinforced.</p> <p>2020, 2021, and 2022 are as follows:</p> <table border="1"> <tr><td>2020</td></tr> <tr><td>2021</td></tr> <tr><td>2022</td></tr> <tr><td>Average</td></tr> <tr><td>51</td></tr> <tr><td>51</td></tr> <tr><td>50</td></tr> <tr><td>51</td></tr> <tr><td>51</td></tr> <tr><td>Median</td></tr> <tr><td>51</td></tr> </table>	2020	2021	Average	49	49	Median	47	48	Minimum	46	Maximum	50	51	50	51	Median	51	2020	2021	2022	Average	51	51	50	51	51	Median	51	Holly Wetman	4/18/2023	5/5/2023	5/5/2023	<a href="https://www.pge.com/bgg-pub/gov/comments/feedback/underground-switches-replacement">https://www.pge.com/bgg-pub/gov/comments/feedback/underground-switches-replacement</a>	0	NA	8.1.2.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
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218	OEIS	003	OEIS_003	4	OEIS_003_Q4	Regarding Support for Medical Baseline Customers a. How does PG&E support Medical Baseline (MBL) customers during wildfire emergencies?	Colin Lang	4/21/2023	4/26/2023	4/26/2023	<a href="https://www.pge.com/bay_global/customer/energy/health-and-safety/medical-baseline-customers-during-wildfire-emergencies">https://www.pge.com/bay_global/customer/energy/health-and-safety/medical-baseline-customers-during-wildfire-emergencies</a>	0	NA	8.4.6	Emergency Preparedness	Customer Support in Wildfire and PSPS Emergencies		
219	OEIS	003	OEIS_003	5	OEIS_003_Q5	Regarding Emergency Operations Customer Surveys a. Provide an example of each customer survey year in 2021 and 2022 regarding emergency operations and any reports analyzing these surveys' results.	Colin Lang	4/21/2023	4/26/2023	4/26/2023	<a href="https://www.pge.com/bay_global/customer/energy/health-and-safety/wildfire-emergencies/emergency-operations">https://www.pge.com/bay_global/customer/energy/health-and-safety/wildfire-emergencies/emergency-operations</a>	1	NA	8.4.4	Emergency Preparedness	Public Emergency Communication Strategy		
220	OEIS	003	OEIS_003	6	OEIS_003_Q6	Regarding PG&E's Assess of Concern a. Provide a GIS layer of PG&E's Assess of Concern (AOC) with the following attributes for each AOC polygon: i. Name of the AOC ii. Number of overhead cross-arms in the AOC that are in scope for Focused Tree Inspections (AOC in-scope?) (Yes/No) iii. Cumulative probability of ignition caused by vegetation coupled with consequences of ignition as given by WDRM (AOC in-scope?) iv. Average probability of ignition caused by vegetation coupled with consequences of ignition as given by WDRM (AOC in-scope?) v. Cumulative Overhead Utility Risk as defined by the 2023-2025 WMP Technical Guidelines, Appendix B vi. Cumulative Ignition Risk as defined by the 2023-2025 WMP Technical Guidelines, Appendix B vii. Cumulative PSPS Risk as defined by the 2023-2025 WMP Technical Guidelines, Appendix B viii. Cumulative Control from Vegetation Likelihood of Ignition as defined by the 2023-2025 WMP Technical Guidelines, Appendix B b. The PG&E used vegetation related data source to identify the identification of overhead trees to create the AOC? (e.g., LDM, satellite) If so, list the data sources and the date the data were collected. (e.g., distribution/LDM flow by PG&E in 2019) c. How PG&E used any monthly data sets to create the AOC? If so, list the data sets and the date the data were collected. d. Describe the prioritization of inspection among the AOC? If so, list the data sets and the date the data were collected.	Colin Lang	4/21/2023	4/26/2023	4/26/2023	<a href="https://www.pge.com/bay_global/customer/energy/health-and-safety/wildfire-emergencies/emergency-operations">https://www.pge.com/bay_global/customer/energy/health-and-safety/wildfire-emergencies/emergency-operations</a>	3	NA	8.2	NA	8.2	Vegetation Management and Inspections	NA
221	OEIS	003	OEIS_003	7	OEIS_003_Q7	Regarding Focused Tree Inspections a. During the decision process to discontinue use of the Tree Assessment Tool (TAT) and adopt the ISA's Basic Tree Risk Assessment Form (ISA form), did PG&E consider incorporating elements from the ISA's form into the TAT? b. How PG&E plan to incorporate known localized risk factors (e.g., wind, outage trees as species) into tree risk assessments? c. Did PG&E perform any analysis or study that compared the outcomes of the TAT and the ISA's checklist in the field? If so, provide the analysis or study. d. How PG&E benchmarked and/or discussed the latest version of its TAT and the associated risk assessment procedure and its tree risk assessment procedures using the ISA's checklist with other utilities, including, but not limited to, SCE and its Tree Risk Calculator? If so, provide a summary of the benchmarking discussions. e. Provide the log and any documentation of methodology, validation, and data sources for the most recent version of the TAT. Include a list of the factors considered in TAT scoring methodology.	Colin Lang	4/21/2023	4/27/2023	4/27/2023	<a href="https://www.pge.com/bay_global/customer/energy/health-and-safety/wildfire-emergencies/emergency-operations">https://www.pge.com/bay_global/customer/energy/health-and-safety/wildfire-emergencies/emergency-operations</a>	1	NA	8.2	NA	8.2	Vegetation Management and Inspections	NA
222	OEIS	003	OEIS_003	8	OEIS_003_Q8	Regarding Confidential Stakeholder Data Requests a. Provide PG&E's confidential responses and attachments to the following Data Requests: i. WMP-Discovery2023_California-002-0001.pdf ii. WMP-Discovery2023_California-006-0007.pdf iii. WMP-Discovery2023_California-006-0008.pdf iv. WMP-Discovery2023_California-006-0011.pdf v. WMP-Discovery2023_California-006-0012.pdf vi. WMP-Discovery2023_California-009-0016.pdf	Colin Lang	4/21/2023	4/26/2023	4/26/2023	<a href="https://www.pge.com/bay_global/customer/energy/health-and-safety/wildfire-emergencies/emergency-operations">https://www.pge.com/bay_global/customer/energy/health-and-safety/wildfire-emergencies/emergency-operations</a>	0	NA	7	NA	7	Wildfire Mitigation Strategy Development	NA
223	OEIS	003	OEIS_003	9	OEIS_003_Q9	Regarding PG&E's Asset Inspection Program a. Provide the inspection checklist used for both PG&E's patrols and detailed inspections. b. PG&E takes its inspections specifically to inspect wildfire risk specific items, identify which items within the checklist they apply to, particularly if such differs from standard GO 25 inspections. c. On average, how many detailed inspections are completed by inspectors per day?	Colin Lang	4/21/2023	4/26/2023	4/26/2023	<a href="https://www.pge.com/bay_global/customer/energy/health-and-safety/wildfire-emergencies/emergency-operations">https://www.pge.com/bay_global/customer/energy/health-and-safety/wildfire-emergencies/emergency-operations</a>	5	NA	8.1.3	NA	8.1.3	Asset Inspections	NA

224	OEIS	003	OEIS_003_10	10	OEIS_003_010	<p>Regarding PGEA's Asset Inventory</p> <p>a. Provide a list of all fields that PGEA's asset inventory captures (i.e. equipment, equipment type, age, installation date)</p> <p>b. Provide a list of all types of equipment captured within PGEA's asset inventory</p> <p>c. Provide a percentage in which PGEA is missing data for each field listed in part (a) within its asset inventory.</p> <p>d. Provide an estimated percentage for the amount of assets missing from PGEA's asset inventory.</p>	Colin Lang	4/3/2023	5/1/2023	5/1/2023	<a href="https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx">https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx</a>	2	NA	8.1.5	Asset Management and Inspection Systems	NA
225	OEIS	003	OEIS_003_11	11	OEIS_003_011	<p>Regarding PGEA's Response to P-WMP_2023-PGAEE-002-Q09</p> <p>a. PGEA states that a Critical Attribute is defined as a condition that could lead to either an ignition point or one down situation that could result in a potential fire ignition. Provide all supporting documentation for procedures PGEA uses to determine whether something is a Critical Attribute. If such procedures do not exist, PGEA must provide the PGEA's process for how it determines what qualifies as a Critical Attribute.</p> <p>b. A list of critical PGEA uses to qualify or fail as a Critical Attribute.</p> <p>c. What does PGEA mean by "as defined by Asset Strategy?"</p>	Colin Lang	4/3/2023	4/3/2023	4/26/2023	<a href="https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx">https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx</a>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PGAE-23-27 Asset Inspections: Critical Assessment and Quality Control ACI PGAE-23-08 Better Application of Fire Detection Lessons Learned from Utility-Cause Fire
226	OEIS	003	OEIS_003_12	12	OEIS_003_012	<p>Regarding PGEA's Response to P-WMP_2023-PGAEE-002-Q09</p> <p>a. PGEA states that it is all performing targeted equipment repairs including EPSS. Is this a program separate from that described under Section 8.1.7 of the P-WMP? If so, provide the following:</p> <p>i. Description and procedures in which PGEA uses to decide when and where all perform EPSS-related targeted equipment repairs.</p> <p>ii. How PGEA determines to address these EPSS-related targeted repairs (particular in relation to the program described in Section 8.1.7).</p> <p>b. In the attachment "WMP-Discovery2023_DR_OEIS_003-000SMANO2.xlsx", targeted equipment repairs are not included as part of the additional mitigations being completed. Why were these not included if PGEA is still using the measure?</p> <p>c. Provide a GIS file with the locations of CPZs accessed for additional reliability mitigations based on EPSS impacts.</p>	Colin Lang	4/3/2023	4/3/2023	4/26/2023	<a href="https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx">https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PGAE-23-12 Updates on EPSS Reliability Study
227	OEIS	003	OEIS_003_13	13	OEIS_003_013	<p>Regarding PGEA's Response to P-WMP_2023-PGAEE-002-Q09</p> <p>a. Provide all Electrical Ignition analysis (EIA) reports completed for instances in which the qualifier was an EPSS protected facility. Provide an Electrical Ignition analysis (EIA) reports completed for instances in which the qualifier was an EPSS protected facility.</p>	Colin Lang	4/3/2023	4/26/2023	4/26/2023	<a href="https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx">https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PGAE-23-08 Better Application of Specific Lessons Learned from Utility-Cause Fire
228	OEIS	003	OEIS_003_14	14	OEIS_003_014	<p>Regarding PGEA's Fire Resistor Replacements</p> <p>a. Provide the number of fault burners PGEA has replaced by year since 2020.</p> <p>b. Provide PGEA's reason for fault burner replacement in 2023 and 2024, as applicable.</p> <p>c. Provide the number of fault burner devices which are needing replacement within PGEA's HFTD.</p> <p>d. Provide the number of fault burner devices identified as needing replacement within PGEA's HFTD.</p>	Colin Lang	4/3/2023	4/26/2023	4/26/2023	<a href="https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx">https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx</a>	0	NA	NA	NA	
229	OEIS	003	OEIS_003_15	15	OEIS_003_015	<p>Regarding PGEA's VIM of a Wildfire Distribution Risk Model (WDRM)</p> <p>a. What is PGEA's plan for review and approval of V4?</p> <p>b. When does PGEA intend to use V4 output in its undergrounding V4? Include discussion on details of how the model is used in the undergrounding V4.</p> <p>c. Provide a list of differences and improvements being made to V4 in comparison to V3.</p> <p>d. Is V4 undergoing field-only review similar to V2 and V3? If so, provide a status update on the review, including expected completion date for the related report.</p>	Colin Lang	4/3/2023	4/26/2023	4/26/2023	<a href="https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx">https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx</a>	0	NA	8.2.1	Risk Mitigation and Assessment	Risk and Risk Component Identification
230	OEIS	003	OEIS_003_16	16	OEIS_003_016	<p>Regarding PGEA's response to OEIS Data Request 2 Question 5 Attachment 1</p> <p>a. Has O&amp;E PGEA determined a mitigation effectiveness of 1.8% for down conductor detection (DCDD)?</p> <p>b. Is Table 4-6, PGEA has included 2023 and 2024 targets for DCDD. Additionally, in response to California Division 2 Question 10 Question 1, PGEA expects that 21,200 miles will be covered by DCDD by 2025. However, based on the preliminary PGEA only demonstrated progress of approximately 7,341,140, and miles in 2023, 2024, and 2025 respectively 2. Explain this discrepancy.</p> <p>c. Include the number of miles DCDD covered in 2022, as well as how many additional miles will be covered based on PGEA targets for 2023, 2024, and 2025 broken down by raw methodology as CPZC approved HFTD miles.</p> <p>d. How does PGEA determine a mitigation effectiveness of 0.8% for EPSS?</p> <p>e. Why is a utility voltage detection (PVD) not included within PGEA's mitigation when the attachment if it was, what would the mitigation effectiveness be for including PVD?</p>	Colin Lang	4/3/2023	4/26/2023	4/26/2023	<a href="https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx">https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx</a>	0	NA	8.1.2.10	Grid Design and System Hardening	Downed Conductor Detection Devices
231	OEIS	003	OEIS_003_17	17	OEIS_003_017	<p>Regarding the underground facilities in 8.4.6</p> <p>PGEA discusses "hot tapped" customers, "key" customers, and "impacted" customers (including cities, counties, and other governments) in Section 8.4.6, however, definitions of such are not provided. A list of "hot tapped" customers, "key" customers, and "impacted" customers, including a list of the facilities for these groups being identified as such, is in the context of Section 8.4.6, and for the "hot tapped" customers, it "impacted" customers.</p> <p>8.4.6.1. Provide a list of "hot tapped" customers, "key" customers, and "impacted" customers (including cities, counties, and other governments) in Section 8.4.6, however, definitions of such are not provided. A list of "hot tapped" customers, "key" customers, and "impacted" customers, including a list of the facilities for these groups being identified as such, is in the context of Section 8.4.6, and for the "hot tapped" customers, it "impacted" customers.</p>	Colin Lang	4/3/2023	4/26/2023	4/26/2023	<a href="https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx">https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx</a>	0	NA	8.4.6	Emergency Preparedness	Customer Support in Wildfire and PSPS Events
232	CA/PA	001	CA/PA_Sel_WMP-17_01	1	CA/PA_Sel_WMP-17_01	<p>SECRET CONFIDENTIAL</p> <p>Table 1 - Projects not pursued for undergrounding in the first 2100 miles</p> <p>PGEA's VORM V3 seeks circuit protection areas (CPZAs) based on risk measured across 17 risk metrics to create a cumulative risk score for each CPZ in Table 1 below. Below, selected CPZs that PGEA has not been selected for undergrounding in the first 2100 miles of US projects are compared:</p> <p>1. Cumulative risk score for the CPZ in WORM V3</p> <p>2. Total CPZ length in miles measured by projecting the base case into WORM V3 to a UTM projection and calculating geometry to GIS</p> <p>3. A calculated "gap mile" or "average mile" value derived from the previous values</p> <p>4. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>5. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>6. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>7. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>8. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>9. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>10. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>11. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>12. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>13. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>14. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>15. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>16. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>17. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>18. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>19. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>20. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>21. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>22. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>23. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>24. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>25. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>26. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>27. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>28. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>29. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>30. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>31. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>32. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>33. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>34. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>35. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>36. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>37. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>38. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>39. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>40. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>41. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>42. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>43. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>44. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>45. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>46. 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Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>97. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>98. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>99. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p> <p>100. Whether the CPZ is experienced outage (i.e. EPSS) or EPSS in the past three years</p>	Matthew Tule	4/3/2023	4/26/2023	4/26/2023	<a href="https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx">https://www.oregon.gov/energy/ehp/Pages/Asset-Inventory-Response.aspx</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and Equipment - Distribution





243	TURN	007	TURN_007	TURN_007_C2	<p>Regarding Table 7.2 in the WMP:</p> <p>a. A RPN indicates from Table 6.5 that the Overall Risk Score values in Table 7.2 are the sum of Total Ignition Risk Score and the Total PPS Risk Score. Please explain how these input values to the Overall Risk Score column were calculated. Please include in the explanation the relevant mathematical equations.</p> <p>b. Please provide, in an Excel format, a table that shows the information in Table 7.2 for all HFTD circuit segments if PGESE has the same information for all self-identified HFTD circuit segments. Please include that information also, and indicate which circuit segments are HFTD.</p>	Tom Long	4/12/2023	4/26/2023	4/26/2023	<p><a href="https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c2">https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c2</a></p> <p><a href="https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c2">https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c2</a></p>	1	NA	7.1.3	Wildfire Mitigation Strategy Development	Risk-Horizontal Prioritization
244	TURN	007	TURN_007	TURN_007_C3	<p>Regarding the System Hardening Workplan provided as Attachment 1 to the response to TURN date request 2-2 which is not included in response 2-2:</p> <p>a. The first tab in the Excel workbook is named "SH Workplan_2023-2026_Conf" which suggests that the responses to Cal Advocates were taken from documents that also included the years 2023 and 2026. Please provide the most up-to-date version of this workplan for the period 2023-2026. Indicate the date of the information in the workbook that is provided.</p> <p>b. It appears that some of the circuit segments listed as high risk in Table 7.2 of the WMP and in the 2023-2026 Underpinning Work Plan (revised on page 9112 of the WMP 01) (i.e., for instance Table 7.2 and Section 7.2.1.11) are not listed in this workbook. Please explain why this is the case, and how the workbook includes planned underpinning work.</p> <p>c. Are there discrepancies in the names of the circuit segments between this workbook and Table 7.2 and the 2023-2026 Underpinning Work Plan (revised on page 9112 of the WMP 01) (i.e., if so, please modify the version of this workbook provided in response 2-2) to make the circuit segment names consistent with Table 7.2 and the 2023-2026 Underpinning Work Plan (revised on page 9112 of the WMP 01)?</p>	Tom Long	4/12/2023	4/27/2023	4/27/2023	<p><a href="https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c3">https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c3</a></p> <p><a href="https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c3">https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c3</a></p> <p><a href="https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c3">https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c3</a></p>	1	Yes	8.1.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
245	TURN	007	TURN_007	TURN_007_C4	<p>Regarding Attachment 2023-03-27_PGE_2023_WMP_01_Section 4.2_Aln01, which is referenced on page 195, 197, 217 of the WMP 01:</p> <p>a. Please provide a version of this Excel workbook that includes the same information for all of PGESE's HFTD circuit segments, or as many of these segments for which PGESE has such information.</p> <p>b. If PGESE has completed information for all self-identified HFTD segments, please provide that information.</p> <p>c. Please explain why the circuit segment listed for any of the wildfire mitigation items in the workbook if it is not mitigated?</p> <p>d. Please provide the Corrected Condition Mitigation Effectiveness values in Columns U(2023), AE (2023), BP (2024), and CA (2025).</p> <p>e. Please explain how these values were determined.</p> <p>f. Why are the values for 2023-2025 much lower than the values for 2022?</p> <p>g. Why do the values differ slightly based on the circuit segment?</p> <p>h. Are the values shown the values that are being used in PGESE's process for selecting among different wildfire mitigation techniques (e.g., underpinning vs. covered conductors) for the listed circuit segments?</p>	Tom Long	4/12/2023	4/26/2023	4/26/2023	<p><a href="https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c4">https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c4</a></p> <p><a href="https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c4">https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c4</a></p> <p><a href="https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c4">https://www.pge.com/pge_global/customer/ef/ef/turn/turn_007/turn_007_c4</a></p>	0	NA	6.4.2	Risk Methodology and Assessment	Top Risk-Correlating Circuits Segments
246	CaPA	Set WMP-18	CaPA_Set WMP-18	CaPA_Set WMP-18_C1	<p>PGESE states in response to Question 10 of Cal Advocates' PGE-2023WMP-18: Vegetation Management for Operational Mitigation (VMO) will be primarily focused on HFTD and HFTD. There are responses where a circuit segment may cross or be dual HFTD/HFTD and VMO will complete work on the whole circuit segment including the areas outside HFTD/HFTD. Focus Tree Inspections are planned for HFTD areas in the plan developed for 2023.</p> <p>a. As a result to respond the above answer to meet that Focused Tree Inspections take place only on HFTD areas and not include HFTD, as VMO will do 2023.</p> <p>b. Why are the values for 2023-2025 much lower than the values for 2022?</p> <p>c. Why do the values differ slightly based on the circuit segment?</p> <p>d. Are the values shown the values that are being used in PGESE's process for selecting among different wildfire mitigation techniques (e.g., underpinning vs. covered conductors) for the listed circuit segments?</p>	Holy Wetman	4/24/2023	4/27/2023	4/27/2023	<p><a href="https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c1">https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c1</a></p> <p><a href="https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c1">https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c1</a></p> <p><a href="https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c1">https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c1</a></p>	0	NA	8.2.2.6	Vegetation Management and Inspections	Discouraged Programs
247	CaPA	Set WMP-18	CaPA_Set WMP-18	CaPA_Set WMP-18_C2	<p>PGESE states in response to Question 21 of Cal Advocates' PGE-2023WMP-18: "PGESE intends to track trees identified for removal (VMO and FTI) using the One VM tool."</p> <p>a. Please provide the following regarding the One VM tool:</p> <p>(1) How the tool works (i.e., what mechanisms or procedures it will use to achieve outputs)</p> <p>(2) When the tool was developed</p> <p>(3) When PGESE will begin utilizing the tool.</p>	Holy Wetman	4/24/2023	4/27/2023	4/27/2023	<p><a href="https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c2">https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c2</a></p> <p><a href="https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c2">https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c2</a></p> <p><a href="https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c2">https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c2</a></p>	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
248	CaPA	Set WMP-18	CaPA_Set WMP-18	CaPA_Set WMP-18_C3	<p>PGESE states in response to Question 5(a) of Cal Advocates' PGE-2023WMP-18: "We EPSS-ranked outage data was used to determine both planned and forecast of identified CPDs where EPSS VM Outages took place." Please explain what "planned and forecast" refers to in the above text.</p>	Holy Wetman	4/24/2023	4/27/2023	4/27/2023	<p><a href="https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c3">https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c3</a></p> <p><a href="https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c3">https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c3</a></p> <p><a href="https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c3">https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c3</a></p>	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
249	CaPA	Set WMP-18	CaPA_Set WMP-18	CaPA_Set WMP-18_C4	<p>PGESE states in response to Question 1(a) of Cal Advocates' PGE-2023WMP-18: "The EPSS-ranked outage data was used to determine both planned and forecast of identified CPDs where EPSS VM Outages took place." Please explain what "planned and forecast" refers to in the above text.</p>	Holy Wetman	4/24/2023	4/27/2023	4/27/2023	<p><a href="https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c4">https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c4</a></p> <p><a href="https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c4">https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c4</a></p> <p><a href="https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c4">https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c4</a></p>	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
250	CaPA	Set WMP-18	CaPA_Set WMP-18	CaPA_Set WMP-18_C5	<p>In response to question 19(3)(b) of Cal Advocates' PGE-2023WMP-18: PGESE states: "The difference in projected vegetation management costs of \$24.4B (2023-2024) is due to several factors, this is how PGESE will achieve this reduction: (1) Transitioning from EVMS to new programs; (2) reducing the amount of Routine VM work conducted each year; communicating with the amount of underpinning (lines completed); and (3) reducing unit costs through efficiencies over the time case period through targeted programmatic adjustments that improve processes and improve resource efficiency."</p> <p>a. How does PGESE intend to reduce the amount of Routine VM work conducted each year?</p> <p>b. Please provide the following information: anticipated VM cost reductions from underpinning in the below table.</p>	Holy Wetman	4/24/2023	4/27/2023	4/27/2023	<p><a href="https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c5">https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c5</a></p> <p><a href="https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c5">https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c5</a></p> <p><a href="https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c5">https://www.pge.com/pge_global/customer/ef/ef/ca/pa/ca_pa_set_wmp_18/ca_pa_set_wmp_18_c5</a></p>	0	NA	8.2.5	Vegetation Management and Inspections	Quality Control

250	CAIPA	Sat WMP-18	CAIPA_Sat WMP-18	500	CAIPA_Sat WMP-18_G50	<p>In response to question 19(3)(b) of California PGE 2023 WMP-18 PGE states: The difference in projected vegetation management costs of \$24.9M between 2023 and 2024 is due to several factors, this is how PGE will address this reduction: (1) Transitioning from EVM to three year programs; (2) Reducing the amount of Routine VM work conducted each year commensurate with the amount of undergrounding; (3) Completing all undergrounding projects that were programmed over the same time period through targeted programmatic adjustments that reduce processing and improve resource efficiency. Are these data transitioning from EVM to three year programs result in cost reduction? Please provide the following information about undergrounding VM cost reductions from undergrounding in the table below:</p> <p>Number of Undergrounding Miles to be Completed Planned Reduction in Number of Routine VM Miles Amount of Routine VM Cost Savings from Undergrounding (\$M) 2023 2024</p>	<p>0</p>	NA	8.2.5.2	Vegetation Management and Inspections	Quality Control
251	CAIPA	Sat WMP-18	CAIPA_Sat WMP-18	6	CAIPA_Sat WMP-18_G6	<p>In response to question 19(3)(b) of California PGE 2023 WMP-18 PGE states: The difference in projected vegetation management costs of \$24.9M between 2023 and 2024 is due to several factors, this is how PGE will address this reduction: (1) Transitioning from EVM to three year programs; (2) Reducing the amount of Routine VM work conducted each year commensurate with the amount of undergrounding; (3) Completing all undergrounding projects that were programmed over the same time period through targeted programmatic adjustments that reduce processing and improve resource efficiency. Are these data transitioning from EVM to three year programs result in cost reduction? Please provide the following information about undergrounding VM cost reductions from undergrounding in the table below:</p> <p>Number of Undergrounding Miles to be Completed Planned Reduction in Number of Routine VM Miles Amount of Routine VM Cost Savings from Undergrounding (\$M) 2023 2024</p>	<p>0</p>	NA	8.2.5.2	Vegetation Management and Inspections	Quality Control
252	CAIPA	Sat WMP-18	CAIPA_Sat WMP-18	7	CAIPA_Sat WMP-18_G7	<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>	<p>0</p>	NA	8.2	Vegetation Management and Inspections	NA
253	TURN	008	TURN_008	1	TURN_008_G1	<p>Please provide PGE's most recent calculation of RSE for Undergrounding by year from 2023-2025. At the most granular level which PGE has completed them. For the question, "Undergrounding" refers to all programs that underground distribution lines for wildfire response and/or for wildfire prevention. Please provide the worksheets with the supporting inputs and calculations for these RSEs in Excel format.</p>	<p>1</p>	NA	7.2	Wildfire Mitigation Strategy Development	Risk Impact of Mitigation Initiatives
254	TURN	008	TURN_008	2	TURN_008_G2	<p>Please provide PGE's most recent calculation of RSEs for Covered Conductors by year from 2023-2025. At the most granular level which PGE has completed them. Please identify all activities that PGE includes in the calculation of RSEs for Covered Conductors. Please provide the worksheets with the supporting inputs and calculations for these RSEs in Excel format.</p>	<p>0</p>	NA	7.2.2	Wildfire Mitigation Strategy Development	Risk Impact of Mitigation Initiatives
255	TURN	008	TURN_008	3	TURN_008_G3	<p>Regarding the Undergrounding Decision Tree provided in response to Data Request 5-1_Ash.1, is there an error in the alternative responses to the question of the right "WG" rule or project type charge mitigation requirements?" Express the "Yes" and "No" alternatives should be listed: if there is an error, please provide a corrected Decision Tree.</p>	<p>0</p>	NA	8.1.2	Grid Design and System Hardening	ALL
256	TURN	008	TURN_008	4	TURN_008_G4	<p>The first paragraph of the response to TURN DR is 5-4 states that, historically, PGE has observed more fire problems and larger wildfire associated with the overhead primary distribution powerlines, compared to 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 PGE believes the data shows. Please provide data from 2015 to the present, allowing for each primary distribution overhead line; secondary distribution overhead lines, service conductors, and high voltage transmission lines: Number of ignitions Number of ignitions normalized by mileage. a. Size (e.g., acres) of fires resulting from ignitions b. Number of structures destroyed by fires resulting from ignitions.</p>	<p>1</p>	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_G5	<p>In response to TURN DR is 5-4 after stating that PGE is not undergrounding secondary service lines and is not undergrounding secondary lines overall costs, PGE states in the last paragraph, "We will overhead remaining secondary and service lines by utilizing open-wire secondary, grid services, and tree-clearance with the current standard covered conductor." (emphasis added) a. What is meant by the word "remaining" in the quote? b. Does the mean line in a project PGE uses as an undergrounding project, some of the "remaining" lines typically consists of overhead transmission or secondary and service lines? Please explain your answer. c. Please explain the conditions under which an undergrounding project would include overhead hardening of secondary and service lines. d. In the context of the "remaining" (emphasized) lines, are these lines 1) the target lines for secondary and service lines? e. In the context of the "remaining" (emphasized) lines, are these lines 2) the lines that are overhead hardening of secondary and service lines described in the DR response provided in Table 8.2-3? f. Are there any secondary or service lines that are not undergrounding projects? g. Are there any secondary or service lines that may be included in "undergrounding" projects? Please explain your response. h. Do PGE's REFCALs for "undergrounding" include lines, cables, and reduction benefits from overhead hardening of secondary and service lines that may be included in "undergrounding" projects? Please explain your response.</p>	<p>0</p>	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_G6	<p>In response to question 19(3)(b) of California PGE 2023 WMP-18 PGE states: The difference in projected vegetation management costs of \$24.9M between 2023 and 2024 is due to several factors, this is how PGE will address this reduction: (1) Transitioning from EVM to three year programs; (2) Reducing the amount of Routine VM work conducted each year commensurate with the amount of undergrounding; (3) Completing all undergrounding projects that were programmed over the same time period through targeted programmatic adjustments that reduce processing and improve resource efficiency. Are these data transitioning from EVM to three year programs result in cost reduction? Please provide the following information about undergrounding VM cost reductions from undergrounding in the table below:</p> <p>Number of Undergrounding Miles to be Completed Planned Reduction in Number of Routine VM Miles Amount of Routine VM Cost Savings from Undergrounding (\$M) 2023 2024</p>	<p>0</p>	NA	8.1.2.1 & 9	Grid Design and System Hardening & PPS	Covered Conductor and PPS
259	CAIPA	Sat WMP-19	CAIPA_Sat WMP-19	1	CAIPA_Sat WMP-19_G1	<p>Please list PGE's expected average useful life for a given installation of the following technologies: a) REFCAL b) REFCAL</p>	<p>0</p>	NA	8.1	Grid Design, Operations, and Maintenance	Down Conductor Detection Devices Repeat Earth Fault Current Limiter



270	CAIQA	Sat WMP-19	CAIQA_Sat WMP-19	CAIQA_Sat WMP-19_012	12	<p>The delay was due to this job being intensively impacted using our legacy inspection system, which did not release the information until the August project start. Until the August project start, the information was not available to be checked in the legacy inspection system. Inspection reports were created with a finite volume of jobs (generally between 100 and 400 jobs) and the project team could not release the information until the August project start. Our current system and other contractors, it was not unusual for projects to remain open for multiple months.</p> <p>(1) We investigated the issue and in March 2022, we released our legacy inspection system. We migrated critical inspections onto the updated inspection application, which released inspection records in real time and creates corrective action notifications on the same day as the inspection.</p> <p>(2) We did not take any immediate action on this issue between November 18, 2019 and January 14, 2020.</p> <p>(3) We investigated this issue and released the legacy inspection system, which did not release inspection records until the inspection project was closed. As a result, our work management system kept us from knowing this issue and releasing the legacy inspection system. In the updated inspection application, inspection records are released in real time, creating corrective action notifications on the same date as the inspection. This functionality ensures that the corrective action notification data aligns with the inspection date.</p> <p>(4) As discussed in Subpart (a) and (b), beginning in March 2022, critical inspections are now performed using the updated inspection application, which releases corrective action notifications on the same date as the inspection, aligning the data with the inspection date.</p> <p>(5) Based on our guidance documents, Priority 6 is appropriate at the time of the inspection and corrective action notification creation. As a result of this event investigation, we developed a gap in assessing the critical inspection results and utilizing the process remaining strength to inform corrective action notification priority. We are actively reviewing the guidance documents and inspection application to improve our processes.</p>	Holly Wetman	4/26/2023	4/26/2023	4/26/2023	<a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a>	1	NA	8.1.3.2.3	Asset Inspections	Inspection Pole Inspections
271	CAIQA	Sat WMP-19	CAIQA_Sat WMP-19	CAIQA_Sat WMP-19_013	13	<p>The confidential attachment is being provided pursuant to the accompanying confidentiality declaration. Please reference "WMP-Chicago2023_DR_CAIQA_Coverage_019-201334001CONF.pdf" for our internal PGEA from May 2022.</p> <p>Specifically, the references are found on Slide number 16. We clarify that "percentage as useful life" refers to an expected life-cycle based on publicly accessible information. Actual battery life assets such as the physical equipment, loading conditions, operation results, etc. may impact the useful life. The percentage was provided to show, on a high level, how we may need to factor in additional asset removal efforts.</p> <p>(1) Please reference "WMP-Chicago2023_DR_CAIQA_Coverage_019-201334001CONF.pdf" included in part (a) of this response.</p>	Holly Wetman	4/26/2023	4/26/2023	4/26/2023	<a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a>	1	NA	8.1.2.5	Grid Design and System Hardening	Transformer Overhead Hardening Transmission Conductor and Distribution
272	CAIQA	Sat WMP-19	CAIQA_Sat WMP-19	CAIQA_Sat WMP-19_014	14	<p>On April 13, 2023, Calli Anderson met with Brian Decker of Grid Research Innovation and Development at PGEA. During this meeting, PGEA stated that REFCL is not a suitable product.</p> <p>(1) Please describe how PGEA's current assessment of REFCL is not a suitable product.</p> <p>(2) If the answer to part (a) is no, please state all the reasons why PGEA believes REFCL is not a suitable product.</p> <p>(3) If the answer to part (a) is yes, please state all the reasons why PGEA believes REFCL is not a suitable product.</p>	Holly Wetman	4/26/2023	4/26/2023	4/26/2023	<a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a>	1	NA	8.1.3.1.1	Grid Design, Operations, and Maintenance	8.1.3.1.1 Rapid Earth Fault Current Limiter
273	CAIQA	Sat WMP-19	CAIQA_Sat WMP-19	CAIQA_Sat WMP-19_015	15	<p>(1) The PGEA performed a study to estimate the combined effectiveness of one or more combinations of covered conductor, EPSS, DCO, P-02, and REFCL in mitigating wildfire when installed on distribution circuits in the P-02 (a) the answer to part (a) is no, please explain why not.</p> <p>(2) If the answer to part (a) is no, please explain why not.</p> <p>(3) If the answer to part (a) is yes, please provide the results of any such study, including any reports, workpapers, or other work products.</p>	Holly Wetman	4/26/2023	4/26/2023	4/26/2023	<a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a>	0	NA	8.1.2	Grid Design and System Hardening	Wildfire
274	CAIQA	Sat WMP-19	CAIQA_Sat WMP-19	CAIQA_Sat WMP-19_016	16	<p>Table 7 on page 20 of the Joint OUI Covered Conductor Working Group Report is SC's estimate of the combined effectiveness of covered conductor, asset inspections, and several vegetation management practices. EPSS, DCO, P-02, and REFCL in mitigating wildfire when installed on distribution circuits in the P-02 (a) the answer to part (a) is no, please explain why not.</p> <p>(2) If the answer to part (a) is no, please explain why not.</p> <p>(3) If the answer to part (a) is yes, please provide the results of any such study, including any reports, workpapers, or other work products.</p>	Holly Wetman	4/26/2023	4/26/2023	4/26/2023	<a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PGEA-2021 - Covered Conductor Effectiveness Lessons Learned
275	CAIQA	Sat WMP-20	CAIQA_Sat WMP-20	CAIQA_Sat WMP-20_01	1	<p>(1) Describe PGEA's standard process for retiring an asset from service.</p> <p>(2) Describe how PGEA records the retirement of an asset from service.</p>	Holly Wetman	4/26/2023	5/3/2023	5/3/2023	<a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a>	1	NA	8.1.5	Asset Management and Inspection Enterprise System(s)	NA
276	CAIQA	Sat WMP-20	CAIQA_Sat WMP-20	CAIQA_Sat WMP-20_02	2	<p>(1) In 2022, as part of WMP system hardening activities, did PGEA retire from service (i.e., replace, remove, retire, or decommission) any assets that had not been fully depreciated at the time of retirement?</p> <p>(2) Please describe how PGEA recorded the retirement of assets during 2022 system hardening activities.</p>	Holly Wetman	4/26/2023	5/3/2023	5/3/2023	<a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a>	0	NA	8.1.2	Grid Design and System Hardening	All
277	CAIQA	Sat WMP-20	CAIQA_Sat WMP-20	CAIQA_Sat WMP-20_03	3	<p>(1) In 2022, as part of WMP system hardening activities, did PGEA retire from service (i.e., replace, remove, retire, or decommission) any assets that had not been fully depreciated at the time of retirement?</p> <p>(2) Please describe how PGEA recorded the retirement of assets during 2022 system hardening activities.</p>	Holly Wetman	4/26/2023	5/3/2023	5/3/2023	<a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a>	0	NA	8.1.2	Grid Design and System Hardening	All
278	CAIQA	Sat WMP-20	CAIQA_Sat WMP-20	CAIQA_Sat WMP-20_04	4	<p>What is PGEA's standard practice for retiring assets that are retired from service before they are fully depreciated?</p>	Holly Wetman	4/26/2023	5/3/2023	5/3/2023	<a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a>	0	NA	8.1.5	Asset Management and Inspection Enterprise System(s)	NA
279	CAIQA	Sat WMP-20	CAIQA_Sat WMP-20	CAIQA_Sat WMP-20_05	5	<p>(1) PGEA retires from service an asset that has not been fully depreciated, does it remove the remaining undepreciated value of the asset from its rate base?</p> <p>(2) Please describe the remaining undepreciated value of an asset at the time it is retired from service?</p> <p>(3) Please describe any scenarios in which PGEA would retire from service an asset that has not been fully depreciated, but would keep the remaining undepreciated value of the asset in its rate base.</p>	Holly Wetman	4/26/2023	5/3/2023	5/3/2023	<a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a>	0	NA	8.1.5	Asset Management and Inspection Enterprise System(s)	NA
280	CAIQA	Sat WMP-20	CAIQA_Sat WMP-20	CAIQA_Sat WMP-20_06	6	<p>(1) As of the date of this data request, does PGEA's rate base currently include any portion of the value of any assets that have not been fully depreciated?</p> <p>(2) If the answer to part (a) is no, please explain why not.</p> <p>(3) If the answer to part (a) is yes, please explain why not.</p> <p>(4) Please describe how PGEA records the retirement of assets that have not been fully depreciated, but would keep the remaining undepreciated value of the asset in its rate base.</p>	Holly Wetman	4/26/2023	5/3/2023	5/3/2023	<a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a>	0	NA	8.1.5	Asset Management and Inspection Enterprise System(s)	NA
281	CAIQA	Sat WMP-20	CAIQA_Sat WMP-20	CAIQA_Sat WMP-20_07	7	<p>In response to data request CAIQA/CAIQA/PGE-2023/WMP-14, questions 20-22, PGEA stated: "We cannot provide the requested data. Our asset registry and work execution systems are not set up to enable this cross-reference data consolidation and we do not track the volume of assets reported 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-reference data consolidation."</p> <p>(2) Please explain what is meant by the statement, "we do not track the volume of assets reported that have not been fully depreciated."</p> <p>(3) PGEA also decommissioned the total remaining undepreciated value of assets that it retired from service as part of its 2020-2022 WMP activities?</p>	Holly Wetman	4/26/2023	5/3/2023	5/3/2023	<a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a> <a href="https://www.govinfo.gov/doi/fulltext/view/html/1046466">https://www.govinfo.gov/doi/fulltext/view/html/1046466</a>	0	NA	8.1	Grid Design, Operations, and Maintenance	Distribution Pole and Replacements Transformer Overhead Hardening





310	TURN	011	TURN_011	TURN_011_Q2	<p>2. The PG&amp;E's undergrounding worksheet "2023-04-06_PGE_2023_WMP_R1_Appendix D ACI PG&amp;E-22-16_Rev1".</p> <p>a. Please add a column that provides the unique circuit segment identifier requested in 1(b)(i).</p> <p>b. Please add a column to this spreadsheet that provides the total wildfire risk of each circuit segment as calculated by WDRM.</p> <p>c. Please add a column to this spreadsheet that provides the total wildfire risk of each circuit segment as calculated by WDRM.</p> <p>d. Please add a column that provides the total wildfire risk of each circuit segment.</p> <p>e. Please explain why PG&amp;E risks circuit segments as "low risk" rather than "low risk of each segment".</p> <p>f. Please explain what the multiplier is applied to. For example, what is the baseline cost of undergrounding per mile (multiplier of 1.0) for 2023, 2024, 2025, and 2026, respectively?</p> <p>g. Please explain what the multiplier is used to estimate costs. For example, if a CIPZ has a multiplier of 1.0 for 2023, 2024, 2025, and 2026, respectively?</p> <p>h. Please provide an illustration of how the multiplier is used to estimate costs. For example, if a CIPZ has a multiplier of 1.0 for 2023, 2024, 2025, and 2026, respectively?</p> <p>i. Please provide the estimated cost for each mile of the undergrounding program from 2023-2027. Please provide all relevant information used in calculating the estimated cost, including but not limited to: labor rates, material costs, and other relevant information used in calculating the estimated cost.</p> <p>j. Please provide all supporting worksheets, calculations, and assumptions in Excel.</p>	<p>The confidential attachment is being provided pursuant to a signed NDA with PG&amp;E.</p> <p>For subpart A.0, please see attachment "WMP_Discovery2023_DR_TURN_011-20230406_CONF_A0".</p> <p>a. See column N for WDRM of circuit segment identifiers.</p> <p>b. See column O for WDRM of circuit segment identifiers.</p> <p>c. See column AB.</p> <p>d. See column AC.</p> <p>e. See column AD.</p> <p>f. The Risk Rank order is described in Section 4.2 of the 2023 WMP. PG&amp;E ranked circuit segments from highest to lowest based on wildfire risk. By using the multiplier, the risk of a circuit segment is determined to be higher or lower than the baseline risk. Circuit segments that are ranked higher than the baseline risk are considered higher risk. However, the results would be significantly impacted by the sign of the multiplier. For example, a larger circuit segment would have larger total wildfire risk in general.</p> <p>g. The multiplier is used to estimate the cost of undergrounding through undergrounding.</p> <p>h. The multiplier is used to estimate the cost of undergrounding through undergrounding.</p> <p>i. The multiplier is used to estimate the cost of undergrounding through undergrounding.</p> <p>j. The multiplier is used to estimate the cost of undergrounding through undergrounding.</p>	Tom Long	5/1/2023	5/8/2023	5/8/2023	<a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a> <a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a> <a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a>	3	Yes	Appendix D	Appendix D - Assess for Continued Improvement	ACI PG&E-22-16 - Progress and Updates on Undergrounding Wildfire Risk Mitigation
311	TURN	011	TURN_011	TURN_011_Q3	<p>3. Regarding DR response TURN_011 attachment "WMP_Discovery2023_DR_TURN_007-00014601_CONF_A0".</p> <p>a. Please add a column to this spreadsheet that provides the unique circuit segment identifier requested in 1(b)(i) above and 2(b) above.</p> <p>b. Please provide the supporting data for calculations for PG&amp;E WDRM (2023-06_Conf) column AC, "WF_VFE_Score". The formula looks up a value in a confidential data request sent to Cal P&amp;A, please provide in Excel with formulas used with internal references to calculate the total wildfire risk.</p> <p>c. Please provide WDRM_Discovery2023_DR_CalP&amp;Arequest_2023-0616014601_CONF in Excel if provided in format (b) of the question. Please provide in Excel with formulas used with internal references to calculate, not external worksheets.</p>	<p>The confidential attachment is being provided pursuant to a signed NDA with PG&amp;E.</p> <p>For subpart A.0, please see attachment "WMP_Discovery2023_DR_TURN_007-00014601_CONF_A0".</p> <p>a. See column N for WDRM of circuit segment identifiers.</p> <p>b. See column O for WDRM of circuit segment identifiers.</p> <p>c. See column AB.</p>	Tom Long	5/1/2023	5/8/2023	5/8/2023	<a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a> <a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a> <a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
312	TURN	011	TURN_011	TURN_011_Q4	<p>4. Regarding Attachment 2023-04-06_PGE_2023_WMP_R2_Section 4.2_A0101, an earlier version of which is referenced on page 161 of 177 of the WMP (A1).</p> <p>a. Please add a column to this spreadsheet and provide the unique circuit segment identifier requested in 1(b)(i) above and 2(b) and 3) above.</p> <p>b. In Excel, please provide all supporting data and property file calls to this spreadsheet to support "weighted risk" calculations in the "Data_PFE" (columns C, S, and U) for undergrounding. Many of them link to disconnected PG&amp;E's internal server workbooks.</p> <p>c. HFTD change (please include headings on the "Data_PFE" file):</p> <ul style="list-style-type: none"> <li>"Weighted_composite_for_system_hardening_wildfire_risk_miles"</li> <li>"HFTD change (please include headings on the "Data_PFE" file):</li> <li>"Baseline wildfire risk (and please indicate if this is the same as the WDRM risk)"</li> <li>"HFTD change (please include headings on the "Data_PFE" file):</li> </ul> <p>d. Please explain how and whether PG&amp;E has incorporated or referenced to underground conversion rates in its calculation of mitigated risk. Please provide cost information for where this is incorporated.</p> <p>e. Please provide the sum of all risk mitigated for undergrounding in 2023, 2024, and 2025, in 2,021 units, which represents 10 percent of baseline wildfire risk.</p> <p>f. If not confirmed, please provide a cost breakdown and an explanation of the percentage of total wildfire risk mitigated by undergrounding indicated by these calculations.</p> <p>g. If not confirmed, please provide a cost breakdown and an explanation of the percentage of total wildfire risk mitigated by undergrounding indicated by these calculations.</p> <p>h. If not confirmed, please provide a cost breakdown and an explanation of the percentage of total wildfire risk mitigated by undergrounding indicated by these calculations.</p> <p>i. Please disagree with the 10 percent figure. Please provide the correct percentage of wildfire risk PG&amp;E expects to mitigate through undergrounding program from 2023-2027.</p> <p>j. Please provide all supporting worksheets, calculations, and assumptions in Excel.</p>	<p>The confidential attachment is being provided pursuant to a signed NDA with PG&amp;E.</p> <p>For subpart A.0, please see attachment "WMP_Discovery2023_DR_TURN_011-20230406_CONF_A0".</p> <p>a. See column N for WDRM of circuit segment identifiers.</p> <p>b. See column O for WDRM of circuit segment identifiers.</p> <p>c. See column AB.</p> <p>d. See column AC.</p> <p>e. See column AD.</p> <p>f. See column AE.</p> <p>g. See column AF.</p> <p>h. See column AG.</p> <p>i. See column AH.</p> <p>j. See column AI.</p>	Tom Long	5/1/2023	5/8/2023	5/8/2023	<a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a> <a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a> <a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a>	1	NA	8.4.2	Risk Methodology and Assessment	Top Risk Contributing Circuits/Segments
313	C&PA	Sat WMP-22	C&PA_Sat WMP-22	C&PA_Sat WMP-22_Q1	<p>During the public discussion 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 2023, EPSS would be out of service for 10.8% of circuit days.</p> <p>a) Does PG&amp;E have a forecast of the percentage of circuit days that EPSS will be enabled during fire season in 2023?</p> <p>b) Please define "circuit days".</p>	<p>The confidential attachment is being provided pursuant to a signed NDA with PG&amp;E.</p> <p>For subpart A.0, please see attachment "WMP_Discovery2023_DR_TURN_011-20230406_CONF_A0".</p> <p>a. See column N for WDRM of circuit segment identifiers.</p> <p>b. See column O for WDRM of circuit segment identifiers.</p> <p>c. See column AB.</p>	Holy Warman	5/2/2023	5/8/2023	5/8/2023	<a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a> <a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a> <a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a>	0	NA	8.1.8.1.1	Grid Design and System Hardening	Protective Equipment and Device Settings
314	C&PA	Sat WMP-22	C&PA_Sat WMP-22	C&PA_Sat WMP-22_Q2	<p>During the Q&amp;A portion of the Grid Operation, Design, and Maintenance session of the WMP workshop held on April 27, 2023, a caller 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 these areas.</p> <p>Regarding undergrounding in areas with steep and rocky terrain:</p> <p>a) Please list and describe the current difficulties or obstacles 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>c) Please state whether the unit cost per response to part (c) is based on mileage of overhead circuits removed or mileage of underground circuit installed.</p> <p>d) Please state whether the unit cost per response to part (c) is based on mileage of overhead circuits removed or mileage of underground circuit installed.</p> <p>e) Please state whether the unit cost per response to part (c) is based on mileage of overhead circuits removed or mileage of underground circuit installed.</p> <p>f) Please state whether the unit cost per response to part (c) is based on mileage of overhead circuits removed or mileage of underground circuit installed.</p> <p>g) If the answer to part (f) is yes, please list each such project.</p>	<p>The confidential attachment is being provided pursuant to a signed NDA with PG&amp;E.</p> <p>For subpart A.0, please see attachment "WMP_Discovery2023_DR_TURN_011-20230406_CONF_A0".</p> <p>a. See column N for WDRM of circuit segment identifiers.</p> <p>b. See column O for WDRM of circuit segment identifiers.</p> <p>c. See column AB.</p> <p>d. See column AC.</p> <p>e. See column AD.</p> <p>f. See column AE.</p> <p>g. See column AF.</p>	Holy Warman	5/2/2023	5/8/2023	5/8/2023	<a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a> <a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a> <a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
315	C&PA	Sat WMP-22	C&PA_Sat WMP-22	C&PA_Sat WMP-22_Q3	<p>During the Q&amp;A portion of the Grid Operation, Design, and Maintenance session of the WMP workshop held on April 27, 2023, a caller 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 these areas.</p> <p>Regarding undergrounding in wetlands:</p> <p>a) Please list and describe the current difficulties or obstacles to undergrounding in wetlands.</p> <p>b) What tools and techniques is PG&amp;E evaluating to improve the feasibility of undergrounding in wetlands?</p> <p>c) Please state whether the unit cost per response to part (c) is based on mileage of overhead circuits removed or mileage of underground circuit installed.</p> <p>d) Please state whether the unit cost per response to part (c) is based on mileage of overhead circuits removed or mileage of underground circuit installed.</p> <p>e) Please state whether the unit cost per response to part (c) is based on mileage of overhead circuits removed or mileage of underground circuit installed.</p> <p>f) Please state whether the unit cost per response to part (c) is based on mileage of overhead circuits removed or mileage of underground circuit installed.</p> <p>g) If the answer to part (f) is yes, please list each such project.</p>	<p>The confidential attachment is being provided pursuant to a signed NDA with PG&amp;E.</p> <p>For subpart A.0, please see attachment "WMP_Discovery2023_DR_TURN_011-20230406_CONF_A0".</p> <p>a. See column N for WDRM of circuit segment identifiers.</p> <p>b. See column O for WDRM of circuit segment identifiers.</p> <p>c. See column AB.</p> <p>d. See column AC.</p> <p>e. See column AD.</p> <p>f. See column AE.</p> <p>g. See column AF.</p>	Holy Warman	5/2/2023	5/8/2023	5/8/2023	<a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a> <a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a> <a href="https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1">https://www.pge.com/pge/global/corporate/governance/2023-04-06_PGE_2023_WMP_R1_Appendix_D_ACI_PG&amp;E-22-16_Rev1</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution





326	CA/PA	Sat WMP-23	CA/PA_Sat WMP-23	3	CA/PA_Sat WMP-23_Q3	<p>Regarding PG&amp;E's AFN/P&amp;A, Appendix C Program/Assistance Participation by Census Tract, p. A-9, please provide the demographics (especially racial/ethnic breakdown and income distribution), if known, for each census tract that received benefits of the following programs:</p> <ul style="list-style-type: none"> <li>a) Self-Generation Incentive Program</li> <li>b) Portable Battery Program</li> <li>c) Generator and Battery Reserve Program (GBRP)</li> </ul>	Holy Wetman	5/3/2023	5/9/2023	5/9/2023	<a href="https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-09-CA/PA_Sat-WMP-23-Q3">https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-09-CA/PA_Sat-WMP-23-Q3</a>	3	NA	8.5.3	Community Outreach and Engagement	Engagement with Access and Functional Needs Population
327	OEIS	004	OEIS_004	1	OEIS_004_Q1	<p>Regarding Ignition-Probability Weather Model (IPW) in PG&amp;E's WMP, it states in "IPW framework analysis positive and negative changes in grid performance and reliability expected year and explore a meaningful approach to weigh more recent levels of learned performance more heavily in the fire model output." (70)</p> <p>a) Provide a description (i.e. changes in event, ignition, and outage numbers) and location of changes PG&amp;E has observed in grid performance based on engineering system heeding obligations, including the amount of time back to observe any statistical changes that would account for changes in PG&amp;E decision-making.</p> <p>b) How is year-to-year weather variation accounted for in the analysis of year-over-year changes in grid performance and reliability?</p>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<a href="https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-04-OEIS-004-Q1">https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-04-OEIS-004-Q1</a>	0	NA	9.2.1	Public Safety Power Shutoff	Risk Thresholds (e.g., WE, FPL, etc.) used Decision-Making Process That Determine the Need for a PG&P.
328	OEIS	004	OEIS_004	2	OEIS_004_Q2	<p>Regarding EPSS in IPW Model</p> <p>PG&amp;E discusses in Ignition-Probability Weather (IPW) Model on p. 705 of the WMP.</p> <p>a) How does the IPW Model analyze and consider outages from EPSS (i.e. differentiating analysis completed)?</p> <p>b) How does the IPW Model account for EPSS-enabled circuits?</p>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<a href="https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-04-OEIS-004-Q2">https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-04-OEIS-004-Q2</a>	0	NA	9.2.1	Public Safety Power Shutoff	Risk Thresholds (e.g., WE, FPL, etc.) used Decision-Making Process That Determine the Need for a PG&P.
329	OEIS	004	OEIS_004	3	OEIS_004_Q3	<p>Regarding After Action Reports for Emergency Preparedness</p> <p>Provide the most recent After Action Report from emergency training exercises for the following exercises:</p> <ul style="list-style-type: none"> <li>a) Table 9-20 Personnel Training</li> <li>b) Table 9-21 Emergency Preparedness Training Program</li> <li>c) Table 9-22 External Contractor Training</li> <li>d) PG&amp;P Evaluation for Distribution Control Center (DCC) Operations</li> <li>e) Table 9-23 External Contractor Training</li> <li>f) TD-14443</li> <li>g) Table 9-24 External DHE, Simulation, and Tabletop Exercise Program</li> <li>h) Operations Based OMI/IE E</li> <li>i) Table 9-42 External DHE, Simulation, and Tabletop Exercise Program</li> <li>j) Operations Based OMI/IE E</li> <li>k) Operations Based PG&amp;P E</li> </ul>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<a href="https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-04-OEIS-004-Q3">https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-04-OEIS-004-Q3</a>	2	NA	8.4.2.2.2	Emergency Preparedness	Personnel Training
330	OEIS	004	OEIS_004	4	OEIS_004_Q4	<p>Regarding Customer Group in PG&amp;P Objective PS-05</p> <p>PG&amp;P objective PS-05, PG&amp;E states that it will focus on a group of customers "not listed by AFN, MFL and self-identified vulnerability populations."</p> <p>a) What does PG&amp;E define the group of customers it is focusing on?</p> <p>b) What is the size of this group of customers that PG&amp;E is focusing on?</p>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<a href="https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-04-OEIS-004-Q4">https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-04-OEIS-004-Q4</a>	0	NA	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
331	OEIS	004	OEIS_004	5	OEIS_004_Q5	<p>Regarding Areas of Concern and Focused Tree Inspections (FTI)</p> <p>a) How will PG&amp;E address trees from green hazard trees (i.e. obviously dead, dying, or declining) in non-Areas of Concern (AOC)?</p> <p>b) WMP, 2022 PG&amp;E-003, Question 1, PG&amp;E indicated that ISA TRAG form is not digital and will be used as a paper form. During FTI, what information is required on the ISA? Provide a copy of the form(s) within One Week.</p> <p>c) During FTI, all overvoltage trees are inspected with the AOC inspected?</p> <p>d) If so, are inspectors required to perform both a level 1 and level 2 inspection on each overvoltage tree?</p> <p>e) How many total miles with PG&amp;E AOCs were treated under the EVM program?</p> <p>f) On page 56 of PG&amp;E's WMP, it states, "Our Operational Mitigation includes programs such as Enhanced Powerline Safety Settings (EPSS) and Focused Tree Inspections. FTI is not described as an "operational mitigation" elsewhere in the WMP. Clarify this statement."</p>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<a href="https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-04-OEIS-004-Q5">https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-04-OEIS-004-Q5</a>	1	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
332	OEIS	004	OEIS_004	6	OEIS_004_Q6	<p>Regarding Enhanced Vegetation Management</p> <p>a) Populate the following table with information regarding EVM:</p> <p>Year</p> <p>FTD Miles Completed</p> <p>Inspected</p> <p>Pruned</p> <p>Tree Trims Worked</p> <p>Average</p> <p>Feet Per Mile</p> <p>% of Miles in Top 20% of Risk</p> <p>2019</p> <p>2020</p> <p>2021</p> <p>2022</p> <p>Total</p> <p>b) Provide a GIS layer of tree features showing where EVM work was completed.</p>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<a href="https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-04-OEIS-004-Q6">https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-04-OEIS-004-Q6</a>	1	NA	8.2.2.6	Vegetation Management and Inspections	Discouraged Programs
332	OEIS	004	OEIS_004	6	OEIS_004_Q6a	<p>We would like to amend our response to "WMP-Discovery2023_DR_OEIS_004Q06.pdf," submitted to the Office of Energy Information in May 2023. In our response, we mis-calculated the number of "feet pruned" and the "Average Trees Per Mile" in 2022. Please see revised chart below with the updated numbers highlighted.</p> <p>Year</p> <p>FTD Miles Completed</p> <p>Inspected</p> <p>Pruned</p> <p>Tree Trims Worked</p> <p>Average</p> <p>Feet Per Mile</p> <p>% of Miles in Top 20% of Risk</p> <p>2019</p> <p>2020</p> <p>2021</p> <p>2022</p> <p>Total</p> <p>a) Please note, for column "average trees per mile," we interpreted that as average number of trees worked per mile. We obtained this number by taking the number of trees worked divided by FTD Miles completed for the corresponding year. Please note, for "feet of Miles in Top 20% of Risk," the 2019 percentage was based upon 2019-2020 risk rating and the 2020 percentage was based upon 2020 risk rating.</p> <p>b) Please see supporting attachment "WMP-Discovery2023_DR_OEIS_004-Q06AM07 gets.xls" for GIS file of EVM work completed between 2019 to 2022.</p>	Colin Lang	5/4/2023	5/15/2023	5/15/2023	<a href="https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-15-OEIS-004-Q6a">https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-15-OEIS-004-Q6a</a>	0	NA	8.2.2.6	Vegetation Management and Inspections	Discouraged Programs
333	OEIS	004	OEIS_004	7	OEIS_004_Q7	<p>Q7: Regarding Vegetation-Caused Outages</p> <p>a) Populate the following table of vegetation-caused outages by mode of failure in the FTD between 2015 and 2022, broken out by year. PG&amp;E may add additional rows (i.e., mode of failure) if needed.</p> <p>VEGETATION CAUSED OUTAGE MODE OF FAILURE</p> <p>2015</p> <p>2016</p> <p>2017</p> <p>2018</p> <p>2019</p> <p>2020</p> <p>2021</p> <p>2022</p> <p>Total</p> <p>b) PG&amp;E does not capture the FTD that in outage reports. Therefore the data being provided cannot be filtered to only include outages in FTD areas. Please see attachment "WMP-Discovery2023_DR_OEIS_004-Q07AM01.xlsx" for the system wide vegetation-caused outage by mode of failure from 2015-2022 as reported by PG&amp;E.</p>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<a href="https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-04-OEIS-004-Q07">https://www.spg.com/bay_global/customer-outreach-and-engagement-reports/2023-05-04-OEIS-004-Q07</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-23-28 - Progression of Effectiveness of Enhanced Customer Joint Study

334	OEIS	004	OEIS_004	8	OEIS_004_08	<p>Regarding Vegetation Hazards Mitigated by PSPS  a. Check PSPS tree care or vegetation harvests completed by PSPS if so, complete the following table of vegetation harvests mitigated by most of failures in the HPD between 2015 and 2022, broken out by year. PG&amp;E has an additional table (i.e., mode of failure) if needed.  MODE OF FAILURE FOR VEGETATION HAZARDS MITIGATED BY PSPS  2015  2017  2019  2020  2021  2022  Branch (inches - 1-120)  Branch (inches - 1-120)  Branch (inches - 4-6)  Branch (inches - 6-10)  Branch (inches - 10-18)  Dead Tree  Tree Fall (moderate severe defect)  Tree Fall (slight defect)  Tree Fall (no defect)  Tree Down by Other/Unknown  TOTAL</p>	Colin Long	5/4/2023	5/9/2023	5/9/2023	<a href="https://www.pge.com/globalassets/customer-experience/energy-delivery/vegetation-hazards/vegetation-hazards-mitigated-by-pmps.pdf">https://www.pge.com/globalassets/customer-experience/energy-delivery/vegetation-hazards/vegetation-hazards-mitigated-by-pmps.pdf</a>	0	NA	9.2.2	Public Safety Power Shutoff	Method Used to Compare and Evaluate the Relative Consequences of PSPS and Wildfires
335	OEIS	004	OEIS_004	9	OEIS_004_09	<p>Regarding Coordination with Other Utilities on PSPS Wind Thresholds  In response to ACI PG&amp;E-22-01, PG&amp;E states "In collaboration with the joint IOU team, PG&amp;E has performed additional studies to evaluate how covered conductors can sustain lightning strikes compared to bare conductors. In the collaboration referenced in the Covered Conductor Effectiveness Study (Table 8-3, Line 17) PG&amp;E's other, if any, collaboration efforts with the various utility partners at evaluating the effect of covered conductors on PSPS risk.  a. Provide a detailed discussion of the results of the studies in any of covered conductor collaborative efforts.  b. In the collaboration efforts, if any, were adjusting PSPS wind thresholds for covered conductors was discussed. If so, provide a list of PG&amp;E's results that are fully aligned with covered conductor.</p>	Colin Long	5/4/2023	5/9/2023	5/9/2023	<a href="https://www.pge.com/globalassets/customer-experience/energy-delivery/vegetation-hazards/covered-conductor-effectiveness-study.pdf">https://www.pge.com/globalassets/customer-experience/energy-delivery/vegetation-hazards/covered-conductor-effectiveness-study.pdf</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-01 - PSPS Wind Threshold Change Evaluations
336	OEIS	004	OEIS_004	10	OEIS_004_10	<p>Regarding Tree Fall and PSPS  In response to ACI PG&amp;E-22-01, PG&amp;E states "based on collaboration with the joint IOU team, one of the covered conductors covered PSPS event. PG&amp;E provides a detailed discussion of the results of the studies in any of covered conductor collaborative efforts.  a. Explain "one of the biggest hazards during PSPS events" in terms of risk (e.g., likelihood, consequences).</p>	Colin Long	5/4/2023	5/9/2023	5/9/2023	<a href="https://www.pge.com/globalassets/customer-experience/energy-delivery/vegetation-hazards/covered-conductor-effectiveness-study.pdf">https://www.pge.com/globalassets/customer-experience/energy-delivery/vegetation-hazards/covered-conductor-effectiveness-study.pdf</a>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-01 - PSPS Wind Threshold Change Evaluations
337	OEIS	004	OEIS_004	11	OEIS_004_11	<p>Regarding RISE (Risk Buy-down) Information required by the WMP  The 2022-23 WMP Guidelines make specific requests for the following information:  7.1.4.1 Identifying and Evaluating Mitigation Initiatives  a. Provide information on identifying and evaluating mitigation initiatives comparable to 2018 SAMP Statement Agreement, not only including the use of risk buy-down estimates (e.g., risk acceptability) and evaluating the benefits and drawbacks of mitigation.  7.1.4.2 Mitigation Initiative Prioritization  b. Explain how the electrical corporation is optimizing its resources to maximize risk reduction. Describe how the proposed initiatives are an efficient use of electrical corporation resources and focus on achieving the greatest risk reduction with the most efficient use of funds and workforce resources.  c. The electrical corporation must describe how it prioritizes mitigation initiatives to reduce both wildfire and PSPS risk.  d. At a high level, summarize the key performance indicators used to evaluate potential mitigation initiatives, and describe the electrical model demonstrates the level of quantitative risk assessment, resource allocation, evaluation of other performance objectives (e.g., cost, energy) identified by the electrical corporation, and SAMP Statement Agreement.</p>	Colin Long	5/4/2023	5/9/2023	5/9/2023	<a href="https://www.pge.com/globalassets/customer-experience/energy-delivery/vegetation-hazards/covered-conductor-effectiveness-study.pdf">https://www.pge.com/globalassets/customer-experience/energy-delivery/vegetation-hazards/covered-conductor-effectiveness-study.pdf</a>	1	NA	7.1.4	Wildfire Mitigation Strategy Development	Identifying and Evaluating Mitigation Initiatives
338	OEIS	004	OEIS_004	12	OEIS_004_12	<p>Regarding the RISE framework for PSPS risk  The sections that relate to wildfire (PSPS-C, PSPS-D and PSPS-E) do not sufficiently describe the calculations that ultimately result in a PSPS-Risk Score. The Guidelines for section 6.2-1 Risk Analysis Framework require detailed description of likelihood, consequences, exposure potential and controls for Public Safety Power Shutoff (PSPS) Risk.  6.2-1.1 Overview: The electrical corporation must provide a brief narrative describing its methodology for quantifying its annual utility risk of wildfire and Public Safety Power Shutoff (PSPS).  6.2-1.1.1 likelihood: The electrical corporation must describe how it calculates likelihood that equipment (through normal operations or failure) will result in a catastrophic wildfire and the resulting likelihood of causing a PSPS.  6.2-1.2 Consequence: The electrical corporation must describe how it calculates the consequences of a fire originating from its equipment and the consequences of implementing a PSPS event.  In order to understand PG&amp;E's risk-by-risk calculations that ultimately result in the PSPS Risk Score, please provide the following, including but not limited to, the following:  a. Provide PSPS likelihood.  b. Provide details on the inputs to the PSPS-C model, and calculation.  c. Provide the WMP framework depicted in Figure 6-2-1 used to calculate likelihood of a PSPS event?  d. The PSPS likelihood section briefly discusses applying current PSPS protocols against historical climatological data set informed by PPM and IPV models, and refers to the WTRM data flow in Figure 6.2-2.  (e) Explain how PSPS protocols, PPM and IPV models and the WTRM data flow are combined to produce the likelihood of a PSPS event.  f. Provide a brief description of the historical data used to produce likelihood of a PSPS event.  g. Provide a brief description of the PSPS-C model used to calculate the likelihood of a PSPS event.  h. Provide a brief description of the PSPS-D model used to calculate the likelihood of a PSPS event.  i. How does Customer Classification &amp; Wapling affect the results?  j. Provide more detailed information on the CAPS Framework Data (Figure 2.2-1) to baseline model flow.  k. Provide a PSPS Consequence section with a similar level of detail as the Wildfire Consequence section, including inputs and tables for transparency (using common units).  l. Provide a PSPS Risk Score section with a similar level of detail as the Wildfire Risk Score section.</p>	Colin Long	5/4/2023	5/16/2023	5/16/2023	<a href="https://www.pge.com/globalassets/customer-experience/energy-delivery/vegetation-hazards/covered-conductor-effectiveness-study.pdf">https://www.pge.com/globalassets/customer-experience/energy-delivery/vegetation-hazards/covered-conductor-effectiveness-study.pdf</a>	0	NA	6.2	Risk Methodology and Assessment	Risk Analysis Framework
339	OEIS	004	OEIS_004	13	OEIS_004_13	<p>Regarding PG&amp;E's Asset Tracking Initiatives  While PG&amp;E provided information in the 2022-23 WMP's Appendix F on its overall progress in Asset Inventory Data Gap, it is not clear what PG&amp;E's progress is on the highest electric distribution assets, such as primary conductors and poles, that are not in the Asset Registry and therefore not included in the WMP's initiatives. In regards to PG&amp;E's plans and progress on the Registry Data Quality Program (RDQP), please provide the following, including but not limited to, the following:  a. Create a table for identifying and connecting missing electric distribution assets types in High Fire Risk Districts (HFRD).  b. Create a table regarding plans and timelines on the known gaps on the native T&amp;D risk profiled asset types (Paragraph 2.17, pg. 96) in the HFRD. The current provided should address specific actions being taken and the timeline to address the gaps in the historical data on service-aged poles and primary conductor risk-profiled asset types included in the HFRD.  c. Does the Asset Data Quality Remediation initiative (pg. 96) include a discrete project aimed at addressing specific gaps in the highest electric distribution assets in the HFRD?  d. On pg. 96, it notes that in 2022 "... over 571 Critical Data Elements (CDE) were identified. Did the number of CDEs decrease from 2021?  e. Please describe what actions are taken after missing assets are found, i.e., are immediate field inspections taken? Does the RDQP Program require that the assets be added to the Asset Registry?  f. In the data shown in "Appendix F.1.1 - PG&amp;E-22-03 Progress on Filing Asset Inventory Data Gap" include specific search for PG&amp;E's entire service territory of the number of assets in the HFRD.  g. What is the Data Quality Programs (Table 2-23-3) responsible for finding the missing highest-voltage asset types in the HFRD?  h. What is PG&amp;E's estimated number of poles and primary conductors that are missing from the "Asset Count" as of Table 2-23-3 "Current F.Rates" of the poles and primary conductors that are missing, how many are in the HFRD?  TABLE PG&amp;E-22-33 - CURRENT F.RIL RATES 148  ID  Asset Family  Asset Type  Asset Component  Asset Count  Asset Data File Path</p>	Colin Long	5/4/2023	5/23/2023	5/23/2023	<a href="https://www.pge.com/globalassets/customer-experience/energy-delivery/vegetation-hazards/covered-conductor-effectiveness-study.pdf">https://www.pge.com/globalassets/customer-experience/energy-delivery/vegetation-hazards/covered-conductor-effectiveness-study.pdf</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-03 - Progress on Filing Asset Inventory Data Gap

340	OEIS	004	OEIS_004	14	OEIS_004_014	<p>Regarding POGE's Use of Overhead Conductor Detection (OCD) and Partial Voltage Detection (PVD)</p> <p>a. Provide any analysis completed on reliability impacts due to OCD, including:</p> <ol style="list-style-type: none"> <li>The number of outages that occurred due to OCD in 2022 and 2023.</li> <li>The number of outages broken down by cause based on ignition drivers listed in Table 6 of the QDR that occurred due to OCD in 2022 and 2023.</li> <li>Criteria used for OCD enforcement (if applicable).</li> <li>The number of total customer minutes recovered from OCD outages.</li> <li>Any mitigation POGE is using to reduce reliability impacts from OCD implementation, including lessons learned from any shoring.</li> </ol> <p>b. Provide any analysis completed on reliability impacts due to PVD, including:</p> <ol style="list-style-type: none"> <li>The number of outages broken down by cause based on ignition drivers listed in Table 6 of the QDR that occurred due to PVD in 2022 and 2023.</li> <li>Criteria used for PVD enforcement (if applicable).</li> <li>The number of total customer minutes recovered from PVD outages.</li> <li>Any mitigation POGE is using to reduce reliability impacts from PVD implementation, including lessons learned from any shoring.</li> <li>When evaluating outages due to EPSS, are OCD and PVD outages included as part of that evaluation? If so, what is the number of additional outages caused by PVD and OCD respectively in 2022?</li> <li>If not, how does POGE account for and track any associated reliability and safety impacts from OCD and PVD implementation, and how does that inform changes to the two programs?</li> </ol>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<p><a href="https://www.wa.gov/bay_global/commdev/gha/gha-reports/2023-05-04-oeis-004-014.pdf">https://www.wa.gov/bay_global/commdev/gha/gha-reports/2023-05-04-oeis-004-014.pdf</a></p>	0	NA	8.1.2.10.1	Grid Design and System Hardening	Overhead Conductor Detection Devices
341	OEIS	004	OEIS_004	15	OEIS_004_015	<p>Regarding Feasibility Constraints</p> <p>a. Provide an explanation of any of all of the feasibility constraints impact the decision making of the Wildlife Governance Steering Committee in selecting a portfolio of mitigation measures that deviates from the risk informed mitigation strategy.</p> <p>b. A flowchart or explanation of decision making as processed by the Wildlife Governance Steering Committee.</p> <p>c. The timeline between WFE and WFE.</p> <p>d. The timeline between WFE and WFE.</p> <p>e. Any associated ability to prioritize due to implementing feasibility constraints.</p> <p>f. A list of any projects not included within US scope due to feasibility constraints.</p>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<p><a href="https://www.wa.gov/bay_global/commdev/gha/gha-reports/2023-05-04-oeis-004-015.pdf">https://www.wa.gov/bay_global/commdev/gha/gha-reports/2023-05-04-oeis-004-015.pdf</a></p>	1	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-34 - Review Process of Posturing Wildlife Mitigation	
342	OEIS	004	OEIS_004	16	OEIS_004_016	<p>Regarding Effectiveness of EPSS</p> <p>a. Provide the formulas and calculations used by POGE to determine the effectiveness of EPSS.</p> <p>b. Provide analysis demonstrating adequate overlap between EPSS risk and wildfire risk to ensure POGE's mitigations are directly addressing wildfire risk opposed to liability.</p> <p>c. Provide POGE's rationale for ensuring EPSS-directed mitigation measures, including safety and work hours mitigated around wildfire risk mitigations. This should also include asset management related mitigations.</p>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<p><a href="https://www.wa.gov/bay_global/commdev/gha/gha-reports/2023-05-04-oeis-004-016.pdf">https://www.wa.gov/bay_global/commdev/gha/gha-reports/2023-05-04-oeis-004-016.pdf</a></p>	2	NA	8.1.8.1.1	Grid Design, Operations, and Maintenance	Protective Equipment and Device Settings
343	OEIS	004	OEIS_004	17	OEIS_004_017	<p>Regarding POGE's Undergrounding Program</p> <p>a. Provide the cumulative V1 and O1 risk scores of the 2022 WMP vs. 2023 WMP undergrounding scope for 2023. This should not include nor account for feasibility.</p> <p>b. Provide the analysis on the remaining risk to the risks no longer scoped for undergrounding, including:</p> <ol style="list-style-type: none"> <li>Itemize mitigations being put into place if accepted for undergrounding in the future.</li> <li>The number of miles scoped for the future (year 2028).</li> <li>Alternative mitigations being used if no longer scoped for undergrounding.</li> </ol>	Colin Lang	5/4/2023	5/9/2023	5/10/2023	<p><a href="https://www.wa.gov/bay_global/commdev/gha/gha-reports/2023-05-04-oeis-004-017.pdf">https://www.wa.gov/bay_global/commdev/gha/gha-reports/2023-05-04-oeis-004-017.pdf</a></p>	2	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding 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 Wildlife Feasibility Expenditure (WFE) measures discussed on page 68 of POGE's WMP.</p> <p>2. Are all WFE calculated by POGE for undergrounding projects, and</p> <p>3. Are all WFE calculated by POGE for all other projects?</p> <p>4. If POGE does not unequivocally agree with "1" and "2" above, please explain why it does not.</p>	Tom Long	5/5/2023	5/11/2023	5/11/2023	<p><a href="https://www.wa.gov/bay_global/commdev/gha/gha-reports/2023-05-04-oeis-012-01.pdf">https://www.wa.gov/bay_global/commdev/gha/gha-reports/2023-05-04-oeis-012-01.pdf</a></p>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-34 - Review Process of Posturing Wildlife Mitigation

345	TURN	012	TURN_012	2	TURN_012_Q2	2	<p>1. The table below lists the wildfire mitigation programs proposed in the WMP and the GRC for the years 2023-2025 and describes differences between the two. The information provided below consists of summaries 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 Mitigations (2023-2025 WMP, R1, pages 205-206).</li> <li>The WMP Operational Mitigations (2023-2025 WMP, R1, pages 208-211).</li> <li>The WMP System Resilience Mitigations (2023-2025 WMP, R1, pages 211-214).</li> </ul> <p>Wildfire mitigation included in PG&amp;E's Year Year (TY) 2023 GRC but not included in the 2023-2025 WMP:</p> <ul style="list-style-type: none"> <li>1. In the information in the table, differences exist that PG&amp;E's wildfire mitigation programs continue to evolve from the time we first filed our 2020 GRC (June 30, 2021) to when we submitted our 2023-2025 WMP. 1. In the information in the table, differences exist that PG&amp;E's wildfire mitigation programs continue to evolve from the time we first filed our 2020 GRC (June 30, 2021) to when we submitted our 2023-2025 WMP. 1. In the information in the table, differences exist that PG&amp;E's wildfire mitigation programs continue to evolve from the time we first filed our 2020 GRC (June 30, 2021) to when we submitted our 2023-2025 WMP.</li> </ul> <p>2. Comparing the wildfire mitigation work proposed in PG&amp;E's WMP with the wildfire mitigation work proposed in PG&amp;E's Year Year 2023 GRC (A.2.1.06-021).</p> <p>3. Please describe any differences in wildfire mitigation program proposed in wildfire mitigation work proposed between the WMP and GRC for the years 2023-2025, and:</p> <ul style="list-style-type: none"> <li>a. For any differences (as described in subpart 3), please provide a table that shows, on a program by program basis, the WMP program, the GRC program, and a description of the differences between the two, including additional information in volume or units of work. The table should include any wildfire mitigation programs we are proposing in one of the proceedings but not in the other.</li> </ul>	Tom Long	5/5/2023	5/1/2023	5/1/2023	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	1	<p>Please find the requested information attached as "WMP-Discovery2023_DR_SPD_004-001.xlsx".</p> <p>Please Note:</p> <p>For column E (FFD), the Fire Potential Index (FFI) rating is only assigned to locations in the Fire Index Area (FIA), which programs that typically (but not always) align with FFDs. The system that has blazes in column E did not occur on a circuit segment located in a FIA program and therefore do not have associated Fire Potential Index ratings.</p> <p>For column F (Average), this field is used to capture average for wildfires (i.e. fires greater than 10 acres). It will not typically be populated if the fire was less than 10 acres unless the average is listed in a report from a fire suppressing agency.</p>	Henry Swast	5/5/2023	5/1/2023	5/1/2023	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increases in Risk Events
347	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	2	CPUC - SPD (Safety Policy Division)_004_02	2	<p>Please find the requested information attached as "WMP-Discovery2023_DR_SPD_004-002.xlsx".</p> <p>Please Note:</p> <p>The requested information is identified in column H.</p> <p>For column E (FFD), the Fire Potential Index (FFI) rating is only assigned to locations in the Fire Index Area (FIA), which programs that typically (but not always) align with FFDs. The system that has blazes in column E did not occur on a circuit segment located in a FIA program and therefore do not have associated Fire Potential Index ratings.</p> <p>For column F (Average), this field is used to capture average for wildfires (i.e. fires greater than 10 acres). It will not typically be populated if the fire was less than 10 acres unless the average is listed in a report from a fire suppressing agency.</p>	Henry Swast	5/5/2023	5/1/2023	5/1/2023	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increases in Risk Events
348	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	3	CPUC - SPD (Safety Policy Division)_004_03	3	<p>Please find the requested information below.</p> <p>This analysis was completed by first counting the number of days each Fire Index Area (FIA) was forecast at a certain rating per year. These day counts were then multiplied by the number of OH line miles in each FIA to provide the circuit mile-days.</p> <p>Please note that between 2014 and 2016 we did not record FIA ratings below R4, and between 2014 and 2017 we did not record FIA ratings R5+ in our databases. Also, 2023 consists only through the first few weeks of May.</p> <p>FFI Rating Circuit Mile Days: Total Circuit Miles</p> <p>Year R5+ R4 R3 R2 R1 R0</p> <p>2014 NA NA NA 57721 12823 NA</p> <p>2015 NA NA NA 57721 12823 NA</p> <p>2016 NA NA NA 124789 20287 NA</p> <p>2017 241402 224741 72026 114243 74236 NA</p> <p>2018 352626 384740 181339 59408 70174 17736</p> <p>2019 352626 384740 181339 59408 70174 17736</p> <p>2020 120000 277096 120489 19877 57637 11844</p> <p>2021 148373 202073 227442 148064 11480 17744</p> <p>2022 303207 158779 201230 135143 112436 0</p> <p>2023 363342 26245 126132 0</p>	Henry Swast	5/5/2023	5/1/2023	5/1/2023	0	NA	8.3.6	Situational 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	4	<p>Please find the requested information below.</p> <p>This analysis was completed by first counting the number of days each Fire Index Area (FIA) was forecast at a certain rating per year. These day counts were then multiplied by the number of OH line miles in each FIA to provide the circuit mile-days.</p> <p>Please note that between 2014 and 2016 we did not record FIA ratings below R4, and between 2014 and 2017 we did not record FIA ratings R5+ in our databases. Also, 2023 consists only through the first few weeks of May.</p> <p>FFI Rating Circuit Mile Days: Total Circuit Miles</p> <p>Year R5+ R4 R3 R2 R1 R0</p> <p>2014 NA NA NA 2016 215 NA</p> <p>2015 NA NA NA 2016 215 NA</p> <p>2016 NA NA NA 3051 725 NA</p> <p>2017 1608 707 204 424 21 NA</p> <p>2018 17047 1356 4929 2054 1755 12</p> <p>2019 1608 707 204 424 21 NA</p> <p>2020 1821 8076 485 584 183 128</p> <p>2021 15214 1705 1011 6016 503 78</p> <p>2022 16374 4556 5923 5081 791 0</p> <p>2023 12420 260 1210 0</p>	Henry Swast	5/5/2023	5/1/2023	5/1/2023	0	NA	8.3.6	Situational 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	5	<p>Please find the requested information below.</p> <p>This analysis was completed by first counting the number of days each Fire Index Area (FIA) was forecast at a certain rating per year. These day counts were then multiplied by the number of OH line miles in each FIA and FFD to provide the circuit mile-days.</p> <p>This is a slight variation of question 3 that includes all circuit miles in each FIA, so the analysis only counts OH circuit miles in a FIA and FFD area and includes FFDs. Please note that between 2014 and 2016 we did not record FIA ratings below R4, and between 2014 and 2017 we did not record FIA ratings R5+ in our databases. Also, 2023 consists only through the first few weeks of May.</p> <p>FFI Rating Circuit Mile Days: Total Circuit Miles</p> <p>Year R5+ R4 R3 R2 R1 R0</p> <p>2014 NA NA NA 1415 145 NA</p> <p>2015 NA NA NA 4035 5042 NA</p> <p>2016 NA NA NA 12021 18345 NA</p> <p>2017 100216 110002 44786 102000 83764 NA</p> <p>2018 110002 349483 139209 50334 40423 2021</p> <p>2019 110002 349483 139209 50334 40423 2021</p> <p>2020 286950 242727 131293 173036 49451 14095</p> <p>2021 448373 202073 227442 148064 11480 17744</p> <p>2022 486610 137284 173164 118785 58852 2207</p> <p>2023 370128 29883 187675</p>	Henry Swast	5/5/2023	5/1/2023	5/1/2023	0	NA	8.3.6	Situational 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	6	<p>In general, we have been evaluating our performance metrics against indicators of relevant FFDs (e.g., FFD and storm) for the last several years and we are not keeping weather days.</p> <p>To provide a more specific example, we are normalizing for weather in the EPSS effectiveness performance in the following ways:</p> <p>For GRC: EPSS effectiveness was calculated by comparing the number of summer year systems that occurred while EPSS was enabled, divided by the average number of systems that occurred each year from 2018-2023 (the result here the EPSS criteria using an FFD-based case).</p> <p>In order to normalize for variance in the weather conditions (as qualified by the Fire Potential Index), system counts for each year were divided by the total number of "Circuit Mile Days" for the year.</p> <p>1. Circuit Mile Days are defined as the circuit miles in FFD/FIA for a circuit, multiplied by the number of days that the FFD/FIA area was forecast to have an EPSS criteria, 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 only performed through the report date. (E.g., if effectiveness was measured through 03/02/23, only years would only be considered if "Circuit Mile Days" through 03/01/23 and 03/02/23 respectively.)</p> <p>This calculation accounts for the increased fire potential risk approach on the system for each year, using the same criteria used to determine when EPSS effectiveness was measured through 03/02/23, only years would only be considered if "Circuit Mile Days" through 03/01/23 and 03/02/23 respectively.</p> <p>The calculation accounts for the increased fire potential risk approach on the system for each year, using the same criteria used to determine when EPSS effectiveness was measured through 03/02/23, only years would only be considered if "Circuit Mile Days" through 03/01/23 and 03/02/23 respectively.</p>	Henry Swast	5/5/2023	5/1/2023	5/1/2023	0	NA	8.3.6	Situational Awareness and Forecasting	Fire Potential Index
352	CAI&A	Set WMP-24	CAI&A_Set WMP-24	1	CAI&A_Set WMP-24_Q1	1	<p>In reference to your response to Question 11 of DR CAI&amp;A-PGE-2023-WMP-16, on the excel spreadsheet WMP-Discovery2023_DR_016-Q011-A0011 (in Column (H) through (I)), please identify the circuits with OH to UC connection projects that have no adjacent circuits.</p> <p>In Column (F) (if any), please identify the adjacent circuits to the circuits with OH to UC connection projects in Table (H) through (I).</p>	Holly Weisman	5/9/2023	5/1/2023	5/1/2023	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_Q1	1	<p>In the table source of this POI data the machine learning algorithm described in WDRM documentation? If not what other steps go into the POI?</p>	Joseph Michal	5/1/2023	5/1/2023	5/1/2023	0	NA	6.4.1.1, 6.4.2	Risk Methodology and Assessment	Generalized Maps of Top Risk Areas Writes the FFDRA Proposed Updates to HFTD
354	MGRA	Data Request No. 5	MGRA_Data Request No. 5	2	MGRA_Data Request No. 5_Q2	2	<p>In the fire-gained POI distribution a result of the localization of specific historical outages, characteristics of assets or environment, or both?</p> <p>The fire-gained features (which contrasts values between neighboring areas) in PG&amp;E's risk model outputs are a combination of using predictive concentration modeling and environmental attributes. Please see PG&amp;E's response to Question 9 of the Data Request for an explanation of how historical outages may influence fire-gained features.</p> <p>As mentioned in the response to MG&amp;A's Question 11 of the Data Request, the model does exhibit some level of noise that can result in high-risk for assets in an area of generally lower risk areas. For this reason, further development is generally guided by circuit segment level assignments that provide an improved distribution of risk level.</p>	Joseph Michal	5/1/2023	5/1/2023	5/1/2023	0	NA	6.4.1.1, 6.4.2	Risk Methodology and Assessment	Generalized Maps of Top Risk Areas Writes the FFDRA Proposed Updates to HFTD
355	MGRA	Data Request No. 5	MGRA_Data Request No. 5	3	MGRA_Data Request No. 5_Q3	3	<p>What are the following characteristics known or expected to contribute to the fire-gained localization of POI shown above, and to what degree:</p> <ul style="list-style-type: none"> <li>a. Vegetation</li> <li>b. Tree density and height</li> <li>c. Asset health</li> <li>d. Asset age</li> <li>e. Asset type</li> </ul> <p>The model, developed by teams from PG&amp;E, is a machine learning model that uses a variety of features (including but not limited to geographic, the fire-gained localization) to assess PG&amp;E's risk modeling outputs, including the spatial view provided by MG&amp;A. The general localization may result from the model's ability to identify assets by asset type, asset health, asset age, asset type, and asset type. The model's ability to identify assets by asset type, asset health, asset age, asset type, and asset type is replicated as part of a wildfire mitigation project, the asset health, age, and type would be reflected in WDRM d and will contribute to the general localization.</p>	Joseph Michal	5/1/2023	5/1/2023	5/1/2023	0	NA	6.4.1.1, 6.4.2	Risk Methodology and Assessment	Generalized Maps of Top Risk Areas Writes the FFDRA Proposed Updates to HFTD











397	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	4	CPUC - SPD (Safety Policy Division)_009_04	<p>PG&amp;E is able to verify that a message was delivered to the phone number and/or email address on file for the customer of record associated with the premises identified as impacted by a potential PSPS, EPSS outage, and/or outage due to a wildfire. Phone numbers and email addresses are requested at the time an account is established and are verified when a customer logs into My Account at pg&amp;e.com on an annual basis and/or if a customer speaks with a Contact Center Customer Service Representative (CSR) and has not verified contact information in the past 60 days of CSR.</p> <p>To ensure we have the most updated contact information for customers of record, wildfire safety-related outreach material includes a standard call to action to update contact information. In addition, Business Energy Solutions Account Reps engage with critical facilities and infrastructure, telecommunications and water providers and transmission level entities to high the risk areas and help to be reached by PG&amp;E and/or EPSS annually to confirm contact information for the purposes of outage notification. Customers who are unable to be reached by PG&amp;E and/or EPSS via regular engagement by the APN, My Account, and/or email are contacted via mail and/or by mail to specific customers via mail and email to encourage contact. PG&amp;E also sends a mailed version of safety notices to utility customers who are unable to receive contact information as documented in our Customer Care and Billing System (CCBS) customer information. We consistently contact customers through our other program applications (e.g., CAREPERA and related) to run a daily sync between our Sanctions Application (used to process these program applications) and MBL database within the CCBS system. These weekly and daily processes are conducted year-round to help ensure the MBL and EPSS customer information is current. Local and state agencies and first responders are engaged by Local Government Affairs and Public Safety Specialists annually to confirm contact information for emergency response for the purposes of crisis response.</p> <p>Our MBL and EPSS customers are sent annual communication either by email or a postcard (if an email address is not provided by the customer) between March and August, to reinforce the importance of having up-to-date contact information on file and encourage them to provide an alternative means of contact for PSPS notifications. MBL and EPSS information is updated automatically and in real-time when a customer logs into their PG&amp;E account and updates their information or when it is provided to a PG&amp;E representative.</p> <p>Requests to change contact information can be submitted via multiple channels. Therefore, there is no dedicated calling number or department that implements changes. For example, contact information can be changed by customer via our website, which updates our systems in real-time directly. To Quality Issues and Quality Center (QA/QC) the MBL and EPSS customer contact information, contact a weekly review team that includes QA/QC, Customer Care and Billing System (CCBS), and Customer Care and Billing System (CCBS). Additionally, we cross-reference contact information submitted through our other program applications (e.g., CAREPERA and related) with the results of our weekly sync between our Sanctions Application used to process these program applications and MBL database within the CCBS system. These weekly and daily processes are conducted year-round to help ensure the MBL and EPSS customer information is current.</p> <p>PG&amp;E considers PSPS notifications for mailed materials customer as "verified" if one of the following occurs. Customer answers the phone, text confirmation is received back from the customer, email is opened or a reply is received, or a mail is tracked on the customer's mailbox, or confirmed as a delivered mail.</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	<a href="https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications">https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications</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	<p>SPG&amp;E issues notifications to APNMB responders. How does PG&amp;E know that these notifications are received and that contact information is up to date?</p> <p>Does PG&amp;E have a way to consistently/periodically verify that the contact information on file is current to help ensure such important notices are being received by the intended recipient?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	<a href="https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications">https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications</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	<p>PG&amp;E monitors pre-pandemic in-person engagement. Does PG&amp;E have data comparing pandemic engagement to pandemic timeframe engagement efforts and among other things, attendance? For instance, are there municipalities regarding on-APNMB and APNMB?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	<a href="https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications">https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications</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	<p>PG&amp;E states that if an APN customer does not answer the door, the notification is considered successful if a door hanger is left. What industry polystyrene is PG&amp;E following that classifies a door hanger as a successful notification?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	<a href="https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications">https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications</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	<p>(a) Please describe your general process or strategy for developing load forecasts.</p> <p>(b) Do you have a written process or procedure for developing load forecasts?</p> <p>(c) If the answer to (a) is "no," provide a copy.</p> <p>(d) If the answer to (b) is "no," explain why not.</p>	Holy Wellman	7/17/2023	8/10/2023	8/10/2023	<a href="https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications">https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications</a>	2	NA	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
406	CaPA	Set WMP-26	CaPA_Set WMP-26	2	CaPA_Set WMP-26_02	<p>(a) Do you consider load growth projections when determining which system hardening measures to deploy for wildfire mitigation purposes?</p> <p>(b) If the answer to (a) is "no," explain how load growth projections influence your mitigation selection process.</p> <p>(c) If the answer to (a) is "no," explain why not.</p>	Holy Wellman	7/17/2023	8/10/2023	8/10/2023	<a href="https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications">https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications</a>	0	NA	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
407	CaPA	Set WMP-26	CaPA_Set WMP-26	3	CaPA_Set WMP-26_03	<p>(a) When you plan system hardening projects for wildfire mitigation purposes, do you design projects to accommodate forecasted load growth?</p> <p>(b) If yes, what degree of load growth do you design for?</p> <p>(c) Describe your process for incorporating forecasted load growth into the design of system hardening projects for reasons, which examples of possible load growth are considered?</p>	Holy Wellman	7/17/2023	8/10/2023	8/10/2023	<a href="https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications">https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications</a>	0	NA	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
408	CaPA	Set WMP-26	CaPA_Set WMP-26	4	CaPA_Set WMP-26_04	<p>(a) In a typical bare conductor to covered conductor conversion project, is the intention to maintain, increase, or decrease the load capacity at peak operating temperatures?</p> <p>(b) Explain the reasoning for your response to part (a).</p>	Holy Wellman	7/17/2023	8/10/2023	8/10/2023	<a href="https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications">https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications</a>	0	NA	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
409	CaPA	Set WMP-26	CaPA_Set WMP-26	5	CaPA_Set WMP-26_05	<p>(a) Are all new covered conductor installation projects designed to accommodate loads greater than current capacity for the same circuit?</p> <p>(b) If the answer to (a) is "no," explain why not.</p> <p>(c) If the answer to (a) is "no," explain why not.</p>	Holy Wellman	7/17/2023	8/10/2023	8/10/2023	<a href="https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications">https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications</a>	0	NA	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
410	CaPA	Set WMP-26	CaPA_Set WMP-26	6	CaPA_Set WMP-26_06	<p>(a) Are all overhead to underground conductor conversion projects designed to accommodate loads greater than current capacity for the same circuit?</p> <p>(b) If the answer to (a) is "no," explain why not.</p> <p>(c) If the answer to (a) is "no," explain why not.</p>	Holy Wellman	7/17/2023	8/10/2023	8/10/2023	<a href="https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications">https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications</a>	0	NA	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
411	CaPA	Set WMP-26	CaPA_Set WMP-26	7	CaPA_Set WMP-26_07	<p>Describe the challenges or advantages entailed in increasing load capacity on a circuit that has previously been hardened with covered conductor.</p>	Holy Wellman	7/17/2023	8/10/2023	8/10/2023	<a href="https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications">https://www.pge.com/energy/infrastructure/safety/infrastructure-safety-communications</a>	0	NA	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution

412	CaPA	Set WMP-26	CaPA_Set WMP-26	8	CaPA_Set WMP-26_08	Describe the challenges or advantages enabled in increasing load capacity on a circuit that has previously been hardened with underground conductor.	The challenges or advantages associated with increasing capacity on an underground electric 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 sense that spare capacity or larger cables may have already been installed. However, that capacity above the design of a recently built underground system is required, then additional cables systems and enclosures would likely need to be installed. In these cases, digging new existing underground infrastructure can be more difficult than installing cables on the surface of the ground. In some instances, a higher quality composite cable can be used through the trenching location for additional capacity. Load growth without having to do additional trenching or installing additional conductors. Load capacity needs to increase in an underground system both before or concurrent engineering and design activities. Some of the potential advantages would depend on the need for the existing underground system. If the existing underground system it may be possible to do some cable reconfiguring at the existing circuit location. Advance studies would be required involving installing new conductors and, potentially, new enclosures as well. If the existing circuit is generally intact, the plan is to install a full size cable through that conduit to facilitate some load growth without significant effort.	Holy Wellman	7/27/2023	8/1/2023	8/1/2023	<a href="https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html">https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
413	CaPA	Set WMP-26	CaPA_Set WMP-26	9	CaPA_Set 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 as observed since January 1, 2014. c) Circuit Capacity in Amps	In this response, PG&E provides the requested data for the distribution circuits in our system. As agreed to, we plan to implement the response with available data for the transmission circuits by Thursday, August 24, 2023. Please see "WMP-Discussion2023_DR_California_GIS-QID064861CONF.pdf" for the list of distribution circuits (subset (a)), 2022 peak load (subset (b)), and their capacity (subset (c)). The list of circuits includes only those circuits included in the distribution planning process. Single-customer circuits, tie cables, and site circuits are not included. The 2022 data was obtained from SCADA information at distribution substations per part of the annual load forecast process. The data was obtained by Distribution Engineers to include switching equipment and installed and implemented with AMI data when SCADA data was not present. Please note, peak load prior to 2022 are, in many instances, no longer relevant because circuit reconfigurations 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 at previous years. Please note, confidential load data that could reveal individual customer loading is redacted in grey. Please note, we do not model the secondary system nor record secondary distribution data.	Holy Wellman	7/27/2023	8/1/2023	8/1/2023	<a href="https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html">https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html</a>	1	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
413	CaPA	Set WMP-26	CaPA_Set WMP-26	9(a)	CaPA_Set WMP-26_09(a)	Provide a list of all circuits in your system. For each circuit, provide: a) Circuit ID Number b) Peak load in Amps as observed since January 1, 2014. c) Circuit Capacity in Amps	In this response, PG&E provides the requested data for the PG&E owned transmission circuits in our system that are calculated from telemetry and included in Energy Management System (EMS). Please note, we do not include information that did not match between PG&E's GIS system and the CALSIS Transmission Register created by GIS system information included some distribution, site, tie, and removed lines. Please see "WMP-Discussion2023_DR_California_GIS-QID064861CONF.pdf" for a list of transmission circuits (subset (a)), 2022 peak load (subset (b)), and their capacity (subset (c)). Where available, we indicated the highest measured peak value for all line segments and all phases of each response. Where transmitted values were not available, the calculated readings were substituted with the highest reading in the same manner. Please note, peak loads prior to 2022 are, in many instances, no longer relevant because circuit reconfigurations 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. Additional, details in the data include the circuit could not be matched to EMS in an associated busbar, the circuit was a duplicate of another circuit. All rated circuit have at least four ratings that represent Summer Normal (SN), Summer Emergency (SE), Winter Normal (WN), and Winter Emergency (WE) ratings. In cases where peak loading exceeds normal ampacity, it is likely that an emergency condition is present. Please see below for the definitions of rating type terms: Normal Ampacity: The ampacity conducted based that can be carried under normal conductor operating temperatures. Emergency Ampacity: Maximum load permitted for short duration in emergencies under the range of emergency load conditions. Emergency loading is limited to four hours and should not exceed a total time of 100 hours in one year. PG&E also notes that our transmission lines are not fully rated to the ampacity in the format presented in "WMP-Discussion2023_DR_California_GIS-QID064861CONF.pdf" during the period of summer. It is not necessary to use the ampacity in "WMP-Discussion2023_DR_California_GIS-QID064861CONF.pdf".	Holy Wellman	7/27/2023	8/24/2023	8/24/2023	<a href="https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html">https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html</a>	1	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
414	CaPA	Set WMP-26	CaPA_Set WMP-26	10	CaPA_Set WMP-26_10	Provide updated GIS layers of primary distribution, secondary distribution, and transmission lines, with the following attributes: a) Circuit ID Number b) Peak load in Amps as observed since January 1, 2014. c) Circuit Capacity in Amps	The attachment to this response contains confidential material and is provided consistent to the accompanying confidentiality declaration. Please refer to "WMP-Discussion2023_DR_California_GIS-QID064861CONF.pdf" for the requested GIS attributes for primary distribution system. Line section attributes may include additional circuit and above in the response QID09. The list of circuits in QID09 includes only those circuits that are studied as part of the distribution planning process. Single-customer circuits, tie cables, and site circuits are not included. Please note, this attachment contains confidential information. Also, we do not model the secondary distribution system, nor record secondary distribution loading. As agreed to, PG&E will provide a response by the position of this request relating to transmission and distribution systems by Thursday, August 24, 2023.	Holy Wellman	7/27/2023	8/1/2023	8/1/2023	<a href="https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html">https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html</a>	1	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
414	CaPA	Set WMP-26	CaPA_Set WMP-26	10(a)	CaPA_Set WMP-26_10(a)	Provide updated GIS layers of primary distribution, secondary distribution, and transmission lines, with the following attributes: a) Circuit ID Number b) Peak load in Amps as observed since January 1, 2014. c) Circuit Capacity in Amps	The attachment to this response contains confidential material and is provided consistent to the accompanying confidentiality declaration. Please refer to "WMP-Discussion2023_DR_California_GIS-QID064861CONF.pdf" for the requested GIS attributes for primary distribution system. Line section attributes may include additional circuit and above in the response QID09. The list of circuits in QID09 includes only those circuits that are studied as part of the distribution planning process. Single-customer circuits, tie cables, and site circuits are not included. Please note, this attachment contains confidential information. Also, we do not model the secondary distribution system, nor record secondary distribution loading. As agreed to, PG&E will provide a response by the position of this request relating to transmission and distribution systems by Thursday, August 24, 2023.	Holy Wellman	7/27/2023	8/24/2023	8/24/2023	<a href="https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html">https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html</a>	1	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
415	CaPA	Set WMP-27	CaPA_Set WMP-27	1	CaPA_Set 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 says that work was largely ineffective and is terminating the program, according to an internal analysis reviewed by The Wall Street Journal and interviews with utility executives. a) Did PG&E provide an internal analysis to The Wall Street Journal as described in the article? b) If the answer to part (a) is yes, please provide a copy of the internal analysis described in the article. c) If the answer to part (a) is no, please state when PG&E provided a copy of the internal analysis to The Wall Street Journal. d) If the answer to part (a) is no, please provide a copy of the internal analysis described in the article.	PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" for the requested GIS attributes for PG&E's transmission system. Please note, details identified in "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" are not applicable to this response as they were not used by WSJ. Please see attachment "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" for the requested GIS attributes for PG&E's transmission system. Please note, details identified in "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" are not applicable to this response as they were not used by WSJ. Please see attachment "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" for the requested GIS attributes for PG&E's transmission system. Please note, details identified in "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" are not applicable to this response as they were not used by WSJ. Please see attachment "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" for the requested GIS attributes for PG&E's transmission system.	Holy Wellman	8/4/2023	8/1/2023	8/1/2023	<a href="https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html">https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html</a>	1	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
416	CaPA	Set WMP-27	CaPA_Set WMP-27	2	CaPA_Set 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 says that work was largely ineffective and is terminating the program, according to an internal analysis reviewed by The Wall Street Journal and interviews with utility executives. a) Please list the utility executives who were interviewed by The Wall Street Journal as described in the article. b) For each executive listed in part (a), provide the date or dates the interview occurred. c) For each executive listed in part (a), please provide transcripts of the interviews, if available.	PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" for the requested GIS attributes for PG&E's transmission system. Please note, details identified in "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" are not applicable to this response as they were not used by WSJ. Please see attachment "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" for the requested GIS attributes for PG&E's transmission system. Please note, details identified in "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" are not applicable to this response as they were not used by WSJ. Please see attachment "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" for the requested GIS attributes for PG&E's transmission system.	Holy Wellman	8/4/2023	8/1/2023	8/1/2023	<a href="https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html">https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html</a>	1	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
417	CaPA	Set WMP-27	CaPA_Set WMP-27	3	CaPA_Set WMP-27_03	The article states the following: PG&E now says that work was largely ineffective and is terminating the program, according to an internal analysis reviewed by The Wall Street Journal and interviews with utility executives. a) Please explain what is meant by the statement quoted above that the work described in the article was "largely ineffective." b) Please provide "largely ineffective."	PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" for the requested GIS attributes for PG&E's transmission system. Please note, details identified in "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" are not applicable to this response as they were not used by WSJ. Please see attachment "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" for the requested GIS attributes for PG&E's transmission system. Please note, details identified in "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" are not applicable to this response as they were not used by WSJ. Please see attachment "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" for the requested GIS attributes for PG&E's transmission system.	Holy Wellman	8/4/2023	8/1/2023	8/1/2023	<a href="https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html">https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html</a>	0	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
418	CaPA	Set WMP-27	CaPA_Set WMP-27	4	CaPA_Set WMP-27_04	The article states the following: The California utility says the program, which involved creating wide swaths between high voltage lines and potentially related to the 15% reduction in ignitions during periods when the risk is highest, typically in autumn, according to the company's internal analysis. a) Please provide the analysis and data to support the 15% reduction in ignitions during periods when the risk was highest. b) Please provide the analysis and data to support the 7% reduction in ignitions across a full year.	PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" for the requested GIS attributes for PG&E's transmission system. Please note, details identified in "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" are not applicable to this response as they were not used by WSJ. Please see attachment "WMP-Discussion2023DR_DR_California_GIS-QID064861CONF.pdf" for the requested GIS attributes for PG&E's transmission system.	Holy Wellman	8/4/2023	8/1/2023	8/1/2023	<a href="https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html">https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html</a>	2	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
419	CaPA	Set WMP-27	CaPA_Set WMP-27	5	CaPA_Set WMP-27_05	In response to data request CA-Calendar-PGE-2023WMP-14, questions 5, on April 17, 2023, PG&E stated that it expected to complete the Substation Annual Abatement Effectiveness Study by July 19, 2023. a) Has PG&E completed the Substation Annual Abatement Effectiveness Study? b) If not applicable, when do you expect to complete the study? c) If the answer to part (a) is no, please provide a copy of any reports or other output from the Substation Annual Abatement Effectiveness Study. d) If the answer to part (a) is no, please state when PG&E currently expects to complete the Substation Annual Abatement Effectiveness Study.	In this response, PG&E provides the requested data for the PG&E owned transmission circuits in our system that are calculated from telemetry and included in Energy Management System (EMS). Please note, we do not include information that did not match between PG&E's GIS system and the CALSIS Transmission Register created by GIS system information included some distribution, site, tie, and removed lines. Please see "WMP-Discussion2023_DR_California_GIS-QID064861CONF.pdf" for a list of transmission circuits (subset (a)), 2022 peak load (subset (b)), and their capacity (subset (c)). Where available, we indicated the highest measured peak value for all line segments and all phases of each response. Where transmitted values were not available, the calculated readings were substituted with the highest reading in the same manner. Please note, peak loads prior to 2022 are, in many instances, no longer relevant because circuit reconfigurations 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 at previous years. Please note, confidential load data that could reveal individual customer loading is redacted in grey. Please note, we do not model the secondary system nor record secondary distribution data.	Holy Wellman	8/4/2023	8/1/2023	8/1/2023	<a href="https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html">https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html</a>	0	NA	8.1.2.1.2	Grid Design and System Hardening	Other Technologies and Systems - Substation Annual Abatement
420	CaPA	Set WMP-27	CaPA_Set WMP-27	6	CaPA_Set WMP-27_06	In response to data request TUR-PAGE-5, question 2, on April 10, 2023, PG&E stated that the study was in the process of finalizing a study that is planned to be completed by June 30, 2023. This study will assess the recorded reliability improvements at locations that have been undergrounded and/or have been hardened with covered conductor. a) Has PG&E completed the study described above? b) If the answer to part (a) is yes, please provide a copy of any reports or other output from the study described above. c) If the answer to part (a) is no, please state when PG&E currently expects to complete the study described above.	In this response, PG&E provides the requested data for the PG&E owned transmission circuits in our system that are calculated from telemetry and included in Energy Management System (EMS). Please note, we do not include information that did not match between PG&E's GIS system and the CALSIS Transmission Register created by GIS system information included some distribution, site, tie, and removed lines. Please see "WMP-Discussion2023_DR_California_GIS-QID064861CONF.pdf" for a list of transmission circuits (subset (a)), 2022 peak load (subset (b)), and their capacity (subset (c)). Where available, we indicated the highest measured peak value for all line segments and all phases of each response. Where transmitted values were not available, the calculated readings were substituted with the highest reading in the same manner. Please note, peak loads prior to 2022 are, in many instances, no longer relevant because circuit reconfigurations 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 at previous years. Please note, confidential load data that could reveal individual customer loading is redacted in grey. Please note, we do not model the secondary system nor record secondary distribution data.	Holy Wellman	8/4/2023	8/1/2023	8/1/2023	<a href="https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html">https://www.pge.com/blogs_global/communities/underground-systems/underground-systems-reliability-improvement.html</a>	0	NA	NA	NA	NA



432	CaPA	Set WMP-28	CaPA_Sat WMP-28	11	CaPA_Sat WMP-28_011	<p>RH-PSGE-23-04 Footnote 10 on page 52 of PSGE's response states, "PGE will develop a risk spend efficiency by isolation zone bonds and not for individual tags. We will identify groupings of EC notification in an isolation zone similar to a circuit protection zone and sum the wildfire risk of those notifications. That sum will be divided by the sum of the average cost of those same notifications to get a risk spend efficiency for isolation zone bonds." a) How will PSGE determine the wildfire risk of individual notifications? b) How will PSGE determine the unit cost of individual notifications?</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="https://www.pge.com/~/media/0211/CaPA/Reports/28_011.pdf">https://www.pge.com/~/media/0211/CaPA/Reports/28_011.pdf</a>	0	NA	8.1.8	Grid Operations and Procedures	NA
433	CaPA	Set WMP-28	CaPA_Sat WMP-28	12	CaPA_Sat WMP-28_012	<p>RH-PSGE-23-04 PSGE states that an isolation zone is "similar to a circuit protection zone" (Footnote 10 on page 52) a) Is an isolation zone identical to a circuit protection zone? b) If the answer to part (a) is no, describe the differences.</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="https://www.pge.com/~/media/0211/CaPA/Reports/28_012.pdf">https://www.pge.com/~/media/0211/CaPA/Reports/28_012.pdf</a>	0	NA	8.1.8	Grid Operations and Procedures	NA
434	CaPA	Set WMP-28	CaPA_Sat WMP-28	13	CaPA_Sat WMP-28_013	<p>RH-PSGE-23-04 Page 53 of PSGE's response states, "Inspections can also recommend that a notification be cancelled if it is no longer needed or if it was already completed." a) Describe the process by which an inspector performing a field safety assessment can recommend a notification be cancelled. b) If an inspector performing a field safety assessment recommends that a notification be cancelled, do any additional checks or verifications take place prior to cancelling the notification? c) If the answer to part (b) is no, describe each additional check or verification. d) If the answer to part (b) is no, explain why not.</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="https://www.pge.com/~/media/0211/CaPA/Reports/28_013.pdf">https://www.pge.com/~/media/0211/CaPA/Reports/28_013.pdf</a>	0	NA	8.1.8	Grid Operations and Procedures	NA
435	CaPA	Set WMP-28	CaPA_Sat WMP-28	14	CaPA_Sat WMP-28_014	<p>RH-PSGE-23-04 Table RH-PSGE-23-04-6 on page 59 of PSGE's response estimates PSGE will create 10,200 new level two tags in 2023, 54,000 new tags in 2024, and 50,000 new tags in 2025. a) How many tags will be replaced in each of 2024 and 2025? b) How many tags will be replaced in each of 2024 and 2025 compared to 2023.</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="https://www.pge.com/~/media/0211/CaPA/Reports/28_014.pdf">https://www.pge.com/~/media/0211/CaPA/Reports/28_014.pdf</a>	0	NA	8.1.8	Grid Operations and Procedures	NA
436	CaPA	Set WMP-28	CaPA_Sat WMP-28	15	CaPA_Sat WMP-28_015	<p>RH-PSGE-23-04 Page 53 of PSGE's response states, "For example, we have found certain violations (i.e., violations with two feet of an isolation, and number of violations per year) do not pose an increased risk of ignition. Instead of issuing non-ignition risk improvement tags, the advice is rather addressed by the asset management team as they are a potential indicator of a holistic asset health issue." a) Describe how the asset management team will address a maintenance tag that is not issued. b) Describe the circumstances under which PGE would repair violations that do not pose an ignition risk, and describe how to address a maintenance tag. c) How does PSGE's asset management team use actions as an indicator of "holistic asset health" and under what circumstances does the asset management team take action based on this indicator?</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="https://www.pge.com/~/media/0211/CaPA/Reports/28_015.pdf">https://www.pge.com/~/media/0211/CaPA/Reports/28_015.pdf</a>	0	NA	8.1.8	Grid Operations and Procedures	NA
437	CaPA	Set WMP-28	CaPA_Sat WMP-28	16	CaPA_Sat WMP-28_016	<p>RH-PSGE-23-05 Page 68 of PSGE's response states, "There are 79 circuit segments that are not included in an underground plan and have not been hardened by one of these circuit segments. PSGE chose to add different circuit segments to the portfolio that could be undergrounded more efficiently. PSGE manages wildfire risk in these 79 circuit segments through its portfolio of Comprehensive Hardening and Data Collection and Operational Mitigations described above." a) How did PSGE identified overhead hardening on the 79 circuit segments described in the answer? b) If the answer to part (a) is yes, why did PSGE not overhead hardening as 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	<a href="https://www.pge.com/~/media/0211/CaPA/Reports/28_016.pdf">https://www.pge.com/~/media/0211/CaPA/Reports/28_016.pdf</a>	0	NA	8.1.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
438	CaPA	Set WMP-28	CaPA_Sat WMP-28	17	CaPA_Sat WMP-28_017	<p>RH-PSGE-23-05 Table RH-PSGE-23-05-2 on page 72 of PSGE's response compares the mileage in the top 20% of WFE, the top 20% of WDRM, and the top 20% of WDRM-C. a) How did PSGE calculate the WFE, WDRM, and WDRM-C values? b) How did PSGE calculate the WFE, WDRM, and WDRM-C values? c) Does the list of circuit segments marked by WFE incorporate risk scores from WDRM-C? If yes, describe how to.</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="https://www.pge.com/~/media/0211/CaPA/Reports/28_017.pdf">https://www.pge.com/~/media/0211/CaPA/Reports/28_017.pdf</a>	0	NA	8.1.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
439	CaPA	Set WMP-28	CaPA_Sat WMP-28	18	CaPA_Sat WMP-28_018	<p>RH-PSGE-23-05 Page 72 of PSGE's response states, "Based on further evaluation, the preliminary updated mitigation effectiveness for undergrounding, considering the residual risk from secondary and service lines, is approximately 97 percent compared to the 99 percent." a) Describe how PSGE calculated the effectiveness of 97 percent? b) Provide supporting data and workplan for your response to part (a).</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="https://www.pge.com/~/media/0211/CaPA/Reports/28_018.pdf">https://www.pge.com/~/media/0211/CaPA/Reports/28_018.pdf</a>	1	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
440	CaPA	Set WMP-28	CaPA_Sat WMP-28	19	CaPA_Sat WMP-28_019	<p>RH-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 EVM, PSGE has decided to continue the use of the TAT and will be working forward with various accepted assessment using the TRAG and TRAG to be similar to the scope of EVM (approximately 1,800 miles)." a) Please explain why the TAT is not appropriate for the scope of TAT. b) Describe the ways in which the TAT and TRAG items are similar. c) Describe the ways in which the TAT and TRAG items are different.</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="https://www.pge.com/~/media/0211/CaPA/Reports/28_019.pdf">https://www.pge.com/~/media/0211/CaPA/Reports/28_019.pdf</a>	2	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
441	CaPA	Set WMP-28	CaPA_Sat WMP-28	20	CaPA_Sat WMP-28_020	<p>RH-PSGE-23-07 Page 104 of PSGE's response states, "Given that we began working with the ISA TRAG in 2023, data does not exist to differentially compare effectiveness differences between ISA TRAG and the TAT." a) Does PSGE plan to perform a study or analysis to compare the effectiveness of TAT and the ISA TRAG? If yes, please explain how to. b) Please explain why the TAT is not appropriate for the scope of TAT. c) Describe the ways in which the TAT and TRAG items are similar. d) Describe the ways in which the TAT and TRAG items are different.</p>	Holy Wetman	8/10/2023	8/15/2023	8/15/2023	<a href="https://www.pge.com/~/media/0211/CaPA/Reports/28_020.pdf">https://www.pge.com/~/media/0211/CaPA/Reports/28_020.pdf</a>	0	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
442	OESB	O11	OESB_011	1	OESB_011_01	<p>Regarding distribution detailed ground inspections a) Change 464 of the revised WMP. PSGE states that it will shift from inspecting all HFD to 3 distribution assets annually and high consequence plant every two years. b) Please provide the number of assets/structures (using the same asset/structure definition as WMP R2 table 1.3.1.3, page 465) inspected by HFD for 2. c) Please provide the number of assets/structures (using the same asset/structure definition as WMP R2 table 1.3.1.3, page 465) inspected by HFD for 2.</p>	Dakota Smith	8/18/2023	8/23/2023	8/23/2023	<a href="https://www.pge.com/~/media/0211/OESB/Reports/011_01.pdf">https://www.pge.com/~/media/0211/OESB/Reports/011_01.pdf</a>	0	NA	8.1.3.1	Asset Inspections	Detailed Ground Inspections
443	OESB	O11	OESB_011	2	OESB_011_02	<p>Regarding PSGE's Grid Design and Maintenance Quality Control a) Can the program with execution processes be completed by the end of 2024? b) Can the program with execution processes be completed by the end of 2024? c) Can the program with execution processes be completed by the end of 2024? d) Can the program with execution processes be completed by the end of 2024? e) Can the program with execution processes be completed by the end of 2024? f) Can the program with execution processes be completed by the end of 2024? g) Can the program with execution processes be completed by the end of 2024? h) Can the program with execution processes be completed by the end of 2024? i) Can the program with execution processes be completed by the end of 2024? j) Can the program with execution processes be completed by the end of 2024? k) Can the program with execution processes be completed by the end of 2024? l) Can the program with execution processes be completed by the end of 2024? m) Can the program with execution processes be completed by the end of 2024? n) Can the program with execution processes be completed by the end of 2024? o) Can the program with execution processes be completed by the end of 2024? p) Can the program with execution processes be completed by the end of 2024? q) Can the program with execution processes be completed by the end of 2024? r) Can the program with execution processes be completed by the end of 2024? s) Can the program with execution processes be completed by the end of 2024? t) Can the program with execution processes be completed by the end of 2024? u) Can the program with execution processes be completed by the end of 2024? v) Can the program with execution processes be completed by the end of 2024? w) Can the program with execution processes be completed by the end of 2024? x) Can the program with execution processes be completed by the end of 2024? y) Can the program with execution processes be completed by the end of 2024? z) Can the program with execution processes be completed by the end of 2024?</p>	Dakota Smith	8/18/2023	8/23/2023	8/23/2023	<a href="https://www.pge.com/~/media/0211/OESB/Reports/011_02.pdf">https://www.pge.com/~/media/0211/OESB/Reports/011_02.pdf</a>	0	NA	8.1.6	Quality Assurance and Quality Control	NA





Index	Agency	Request No.	Request Title	Priority	Request ID	Request Description	Staff	Start Date	End Date	Review Date	Score	NA	Comments	Status	
461	CEIS	014	CEIS_014	2	CEIS_014_Q2	Q2: Regarding backfire risk reduction... Provide PCGE's calculations for risk reduction percentages broken down annually for both the initial open tag risk reduction targets as shown in Tables PCGE-6.1-2 and PCGE-6.1-3... Q3: Egan the difference between the present risk and the % risk impact as shown in Table PCGE-23-0-4.2 (in 20) (for reference, 2021 had a 46 percent risk unit reduction, but only a 2.4 percent risk impact reduction).	Debra Smith	10/6/2023	10/1/2023	10/1/2023	0	NA	8.1.7	Open Work Orders	NA
462	MGRA	Data Request No. 7	MGRA_Data Request No. 7	1	MGRA_Data Request No. 7_Q1	Please list the titles and qualifications of the team members on the Public Safety Response team... Please include any specific work experience or accomplishments.	Joseph Michalek	10/9/2023	10/12/2023	10/12/2023	0	NA	8.4.1	Emergency Preparedness	Protocols for Emergency Communications
463	MGRA	Data Request No. 7	MGRA_Data Request No. 7	2	MGRA_Data Request No. 7_Q2	Are ingress and egress concerns determined solely by the potential for falling poles... Does the PDS team also analyze the potential for entrapment by lost moving vehicles and/or displaced loads?	Joseph Michalek	10/9/2023	10/12/2023	10/12/2023	0	NA	8.1.3	Asset Inspections	NA
464	MGRA	Data Request No. 7	MGRA_Data Request No. 7	3	MGRA_Data Request No. 7_Q3	How representative is the proxy PDS score of the wire circuit? Specifically... What factors does the hardening project typically take into account of the circuit? Provide a distribution if possible.	Joseph Michalek	10/9/2023	10/12/2023	10/12/2023	1	NA	8.1.3	Asset Inspections	NA
465	CAIPA	Set WMP-30	CAIPA_Set WMP-30	1	CAIPA_Set WMP-30_Q1	The data request relates to PCGE's Wildfire Distribution Risk Model version 4 (hereinafter referred to as "WDRM v4")... (a) Please list all distinct risk scores generated by PCGE's WDRM v4...	Holy Wetmore	10/11/2023	10/26/2023	10/26/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
466	CAIPA	Set WMP-30	CAIPA_Set WMP-30	2	CAIPA_Set WMP-30_Q2	The data request relates to PCGE's Wildfire Distribution Risk Model version 4 (hereinafter referred to as "WDRM v4")... (a) Please list all composite (or aggregate) risk scores generated by PCGE's WDRM v4...	Holy Wetmore	10/11/2023	10/26/2023	10/26/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
467	CAIPA	Set WMP-30	CAIPA_Set WMP-30	3	CAIPA_Set WMP-30_Q3	The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PCGE's responses to questions 1(a) and 2(a) above...	Holy Wetmore	10/11/2023	10/26/2023	10/26/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA

465	CaPA	Set WMP-30	CaPA_Set WMP-30	4	CaPA_Set WMP-30_Q4	<p>The following questions 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.</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 10) and 20). The file should contain the following information: (a) Geographic features detailing the relevant geometry for each risk score. This file should include the digitized "points" that depict critical segments, points that depict assets, or other geometry that best suits the relevant context. If multiple risk scores share the same geometry, it is acceptable to include multiple layers that depict the same physical features at the circuit segment level; there is no need to include multiple layers that depict the same physical features at the asset level.</p> <p>(b) For each geographic feature, please include all relevant risk scores from questions 10) and 20) as attributes. (c) For each geographic feature, include the circuit segment name as an attribute. (d) For each geographic feature, include the circuit name as an attribute. (e) For each geographic feature, include the circuit segment name as an attribute. (f) As needed, include unique identifiers for each geographic feature (e.g., asset ID, substation name, etc.)</p>	<p>(b) - (f) As stated in the response to Questions 001 - 003, the WDRM v4 is not currently available. PG&amp;E plans to make the model information available with the 2025 WMP Update.</p>	Holy Wellman	10/11/2023	10/26/2023	10/23/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
469	CaPA	Set WMP-30	CaPA_Set WMP-30_Q5	5	CaPA_Set WMP-30_Q5	<p>The following questions 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.</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> <p>(i) Name of each circuit segment  (ii) Voltage for the circuit that each segment is part of.  (iii) Circuit ID for the circuit that each segment is part of.  (iv) Normal voltage.  (v) The point count of the circuit segment. (Cal Advocates understands this to be the number of 100m x 100m pixels captured by the WDRM v4 along the length of the circuit segment.)  (vi) The average risk value(s) associated with each pixel along the circuit segment. (In previous versions of the risk model, this was referred to as the "Mean MVI" or "Mean Risk")  (vii) Total circuit miles on the circuit segment.  (viii) Total non-PTD overhead circuit miles on the circuit segment.  (ix) Total Tar 2 overhead circuit miles on the circuit segment.  (x) Total Tar 3 overhead circuit miles on the circuit segment.  (xi) Total underground circuit miles on the circuit segment.  (xii) Total Tar 2 underground circuit miles on the circuit segment.  (xiii) Total Tar 3 underground circuit miles on the circuit segment.</p> <p>Each risk score from a separate and labeled column identified in question 10) that is used at the circuit-segment level to inform wildfire mitigation estimates. (May require multiple columns.)  (xiv) Each component risk score used in a separate and labeled column identified in question 20) that is used at the circuit-segment level to inform wildfire mitigation estimates. (May require multiple columns.)</p>	<p>(b) - (i) As stated in the response to Questions 001 - 004, the WDRM v4 is not currently available. PG&amp;E plans to make the model information available with the 2025 WMP Update.</p>	Holy Wellman	10/11/2023	10/26/2023	10/23/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
470	CaPA	Set WMP-30	CaPA_Set WMP-30_Q6	6	CaPA_Set WMP-30_Q6	<p>The following questions 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.</p> <p>Has the E3 or another entity performed an independent review of the WDRM v4?  (a) If the answer to part (a) is yes, please provide a copy of any report and report from the independent review.  (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 WDRM v4?  (c) If the answer to part (b) is no, please explain why not.  (d) If the answer to part (b) is yes, when does PG&amp;E expect the review to be completed?</p>	<p>(a) - (d) The WDRM 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>	Holy Wellman	10/11/2023	10/26/2023	10/23/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
471	CaPA	Set WMP-30	CaPA_Set WMP-30_Q7	7	CaPA_Set WMP-30_Q7	<p>The following questions 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.</p> <p>Has PG&amp;E created a detailed overview document that details the 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?  (a) If the answer to part (a) is yes, please provide a copy of the document.  (b) If the answer to part (a) is no, does PG&amp;E plan to create such a document?  (c) If the answer to part (b) is no, please explain why not.  (d) If the answer to part (b) is yes, when does PG&amp;E expect the document to be completed?</p>	<p>(a) - (d) As stated in the response to Questions 001 - 005, the WDRM 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>	Holy Wellman	10/11/2023	10/26/2023	10/23/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
472	CaPA	Set WMP-30	CaPA_Set WMP-30_Q8	8	CaPA_Set WMP-30_Q8	<p>Page 75 of PG&amp;E's 2023-2025 Wildfire Mitigation Plan Supplemental Response to Revision Notice, September 27, 2023, states: "When we begin using the WDRM v4 and incorporating it with the WDRM, (Wildfire Benefit Cost Analysis, risk ranking and project prioritization will include wildfire risk reduction, reliability benefits, public safety, and other factors that we are currently not including in our wildfire benefit cost analysis. We will continue to explore other factors that present a more holistic view into the costs and benefits of an undergrounding project." Will PG&amp;E include an estimated reliability benefit, as discussed in the above quote? Please explain if yes.  (a) Does the WDRM v4 include an estimation of reliability benefits, as discussed in the above quote? Please explain if yes.  (b) Does the WDRM v4 include an estimation of project costs, as discussed in the above quote? Please explain if yes.</p>	<p>(a) - (c) The WDRM v4 scope does not include the estimated benefits requested in parts a, b, and c. Reliability benefits, public safety, and project costs will be considered as part of the WDRM v4 and are not part of the WDRM v4.</p>	Holy Wellman	10/11/2023	10/26/2023	10/23/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
473	CaPA	Set WMP-31	CaPA_Set WMP-31_Q1	1	CaPA_Set WMP-31_Q1	<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 PFTD for: "Please provide an updated version of Table 8-8-1, as of September 30, 2023."</p> <p>Number of Past Due Transmission Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>PFTD Area</p> <p>31 - 90 Days</p> <p>91 - 180 Days</p> <p>181 Days</p> <p>Non - PFTD</p> <p>PFTD Tar 2</p> <p>PFTD Tar 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>PFTD Area = 30 Days 31 - 90 Days 91 - 180 Days 181+ Days</p> <p>Non - PFTD</p> <p>PFTD Tar 2</p> <p>PFTD Tar 3</p>	Holy Wellman	10/12/2023	10/26/2023	10/25/2023	0	NA	8.1.7	Open Work Orders	NA
474	CaPA	Set WMP-31	CaPA_Set WMP-31_Q2	2	CaPA_Set WMP-31_Q2	<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 distribution asset work orders by age and PFTD for: "Please provide an updated version of Table 8-8-1, as of September 30, 2023."</p> <p>Number of Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>PFTD Area</p> <p>31 - 90 Days</p> <p>91 - 180 Days</p> <p>181 Days</p> <p>Non - PFTD</p> <p>PFTD Tar 2</p> <p>PFTD Tar 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>PFTD Area = 30 Days 31 - 90 Days 91 - 180 Days 181+ Days</p> <p>Non - PFTD</p> <p>PFTD Tar 2</p> <p>PFTD Tar 3</p>	Holy Wellman	10/12/2023	10/26/2023	10/25/2023	0	NA	8.1.7	Open Work Orders	NA
475	CaPA	Set WMP-31	CaPA_Set WMP-31_Q3	3	CaPA_Set WMP-31_Q3	<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 531 of your 2023 - 2025 WMP R3, PG&amp;E stated with regard to distribution asset work orders: "PG&amp;E is in the process of providing the number of past due asset work orders, categorized by age, in the PFTD from 01/2024 through 01/2025."  (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 PFTD, as stated above.  (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 PFTD.</p>	<p>(a) 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, categorized by age, in the PFTD, as stated above. (b) Through 2025, PG&amp;E has implemented a data extraction capabilities and a new tool that provides this data at the requested granularity. This capability has improved PG&amp;E's ability to provide the number of past due asset work orders, categorized by age, in the PFTD. This semi-automated process will now allow us to pull data more easily and on the granularity desired.</p>	Holy Wellman	10/12/2023	10/26/2023	10/25/2023	0	NA	8.1.7	Open Work Orders	NA
476	CaPA	Set WMP-31	CaPA_Set WMP-31_Q4	4	CaPA_Set WMP-31_Q4	<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 - Distribution Tags in PG&amp;E's 2023 - 2025 WMP R3 discuss a subset of open work orders referred to as "ignition-tag" tags. Please provide a table similar to Table 8-8-1 for all past due ignition-tag distribution asset work orders by age and PFTD for: "Please provide an updated version of Table 8-8-1, as of September 30, 2023."</p> <p>Number of "Ignition Risk" Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>PFTD Area</p> <p>31 - 90 Days</p> <p>91 - 180 Days</p> <p>181 Days</p> <p>Non - PFTD</p> <p>PFTD Tar 2</p> <p>PFTD Tar 3</p>	<p>Please see the table below for the requested information.</p> <p>Number of "Ignition Risk" Past Due Distribution Asset Work Orders Categorized by Age (through September 30, 2023)</p> <p>PFTD Area = 30 Days 31 - 90 Days 91 - 180 Days 181+ Days</p> <p>Non - PFTD</p> <p>PFTD Tar 2</p> <p>PFTD Tar 3</p>	Holy Wellman	10/12/2023	10/26/2023	10/25/2023	0	NA	8.1.7	Open Work Orders	NA
477	CPUC - SPD (Safety Policy Division)	011	CPUC - SPD (Safety Policy Division)_011_Q1	1	CPUC - SPD (Safety Policy Division)_011_Q1	<p>Please calculate the Justly Table RN/PG&amp;E-23-05-3. Explain specifically how Risk Avoidance over Lifetime Benefit is calculated from Your Risk (page 6) of PG&amp;E's 2023-2025 Wildfire Mitigation Plan (WMP) - Supplemental Revision Notice Response.</p>	<p>In Critical Issue RN/PG&amp;E-23-05, PG&amp;E explained that in response to the Commission's decision on the Risk-based Decision-Making Framework (RDMF), it was in the process of conducting a benefit-cost model. The model will incorporate several elements of the negative decision-making process that are analytical in nature. PG&amp;E calls this the Wildfire Benefit Cost Analysis (WBCA) tool. The WBCA tool will be used to evaluate the benefits and costs of wildfire mitigation alternatives at two circuit segments (Table RN/PG&amp;E-23-05-3). PG&amp;E responded to an Energy Safety Data Request asking for more information about the WBCA. In that response, PG&amp;E explained that the WBCA has not been fully developed, approved or modeled with PG&amp;E. We also explained that the workforce submitted in the 2023-2025 WMP is based on PG&amp;E's Wildfire Distribution Model (WDRM) and none of the 2023-2025 projects included in the WMP workforce were selected using the WBCA. The WBCA is being developed to support PG&amp;E's 10-year 2024-2034 undergrounding plan and will anticipate including the WBCA for that submission in 2024. We anticipate eventually using the WBCA to inform project selection for PG&amp;E's ongoing undergrounding plan and future WMPs. Because the WBCA is still in development, PG&amp;E is not in position to respond to either of the questions in this data request.</p>	Henry Swast	10/12/2023	10/17/2023	10/17/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
477	CPUC - SPD (Safety Policy Division)	012	CPUC - SPD (Safety Policy Division)_012_Q1	1	CPUC - SPD (Safety Policy Division)_012_Q1	<p>Please see WMP Decision 2023_DR_SPD_012-Q001 A5001 a/c for the visual and underlying data. The data has not been updated. PG&amp;E expects to update the data in Q2 of 2024 as part of the Risk Assessment and Mitigation Phase (RAM) filing. Please note: this was an incorrect correction in the visual data table. Both the original and corrected visual data tables are attached in the attachment.</p>	<p>Please see WMP Decision 2023_DR_SPD_012-Q001 A5001 a/c for the visual and underlying data. The data has not been updated. PG&amp;E expects to update the data in Q2 of 2024 as part of the Risk Assessment and Mitigation Phase (RAM) filing. Please note: this was an incorrect correction in the visual data table. Both the original and corrected visual data tables are attached in the attachment.</p>	Henry Swast	11/3/2023	11/5/2023	11/4/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
478	CPUC - SPD (Safety Policy Division)	011	CPUC - SPD (Safety Policy Division)_011_Q2	2	CPUC - SPD (Safety Policy Division)_011_Q2	<p>Please provide a numerical justification that shows the risk from (damage or other) personnel for EPSS compared to benefits of EPSS (less wildfires, others)? SPD would prefer the analysis performed using cost benefit ratios (similar to that shown in Table RN/PG&amp;E-23-05-3).</p>	<p>Please see PG&amp;E's response to Question 1 of this data request.</p>	Henry Swast	10/12/2023	10/17/2023	10/17/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment



479	CAPA	Set WMP-32	CAPA_Sat WMP-32	1	CAPA_Sat WMP-32_Q1	<p>Please provide the following data for the years 2020, 2021, 2022, and 2023:</p> <p>a) Number of miles of underground distribution that PG&amp;E installed as part of overhead-to-underground conversion projects for the purposes of wildfire risk reduction.</p> <p>b) Number of miles of overhead distribution PG&amp;E removed as part of the same projects in part (a).</p>	<p>Please see the table below with the data requested for subparts a-c:</p> <p>a) PG&amp;E saw one (a) US Miles Completed. Included are the miles of completed primary distribution lines installed each year 2020-2022 for the purposes of wildfire risk reduction. The data provided in 2022 is year to date through November 1, 2023. In addition to the miles complete, PG&amp;E also has approximately 200 miles currently in progress (e.g., permit complete, in construction, trench complete, conduit installed, ready for cable pull).</p> <p>b) PG&amp;E saw one (b) OH Miles Replaced (estimated). Included are the estimated miles of overhead primary distribution lines PG&amp;E has removed as part of undergrounding projects for the purposes of wildfire risk reduction. PG&amp;E historically did not track exactly the overhead miles replaced by each project. Therefore, the overhead miles replaced are estimated. PG&amp;E Completed using a standard conversion factor for related projects to all other undergrounding projects. PG&amp;E saw one (b) US Miles Completed. Included are the miles of US miles replaced, the miles of existing OH lines that have been removed for all other projects. 1.25 miles of US installed equates to one mile of existing OH removed. 100% for 2022-2023 Year</p> <p>c) US Miles Completed: 24 73.2 175.8 208.6 503.9</p> <p>d) OH Miles Replaced (est): 23.2 158.4 373.5</p>	Holly Wetman	10/31/2023	11/14/2023	11/14/2023	<a href="https://www.pge.com/content/dam/pge/docs/overhead-to-undergrounding-2023-2024-report.pdf">https://www.pge.com/content/dam/pge/docs/overhead-to-undergrounding-2023-2024-report.pdf</a>	0	NA	7.2.1	Wildfire Migration Strategy Development	Projected Overall Risk Reduction
480	CAPA	Set WMP-32	CAPA_Sat WMP-32	2	CAPA_Sat WMP-32_Q2	<p>Please provide the same information as requested in Question 1 for undergrounding projects that fall into each of the following categories:</p> <p>a) Rule 20C undergrounding.</p> <p>b) Wildfire rebuild undergrounding.</p> <p>c) Any other undergrounding not included in Question 1 or parts a and b of this question.</p>	<p>Please see the table provided below with the data requested for subparts a-c:</p> <p>a) PG&amp;E saw one (a) Rule 20C. Included are the undergrounding miles of primary distribution lines in High Fire Threat Districts (HFTD) and/or High Fire Risk Areas (HFRA) as part of the following programs:</p> <ul style="list-style-type: none"> <li>Rule 20A – 100% utility funding</li> <li>Rule 20B – partial utility funding</li> <li>Rule 20C – minimal utility funding</li> </ul> <p>Note, the data does not include all Rule 20 projects. It includes only those Rule 20 projects that have taken place in the HFTD/HFRA given the impact of these projects on wildfire risk.</p> <p>b) PG&amp;E saw one (b) Wildfire Rebuild. Included are the undergrounding miles of primary distribution lines completed as part of wildfire rebuild. This includes work in our Fire Rebuild Program that are located in an HFTD/HFRA, as well as the Community Rebuild Program (i.e., State and Community).</p> <p>c) PG&amp;E saw one (c) Other. Included are the undergrounding miles of primary distribution lines that are installed by third parties in an HFTD/HFRA. PG&amp;E saw one (c) Other previously did not track overhead miles installed. Therefore, the overhead miles replaced is estimated based on US Miles Completed using a standard conversion factor for related projects to all other undergrounding projects. For WMP Discovery/2023_DR_California, 032-Q003 Page 2 Community Rebuild Program (State and Community) for every 1.57 miles of US installed, one mile of existing OH lines has been removed for all other projects. 1.25 miles of US installed equates to one mile of existing OH removed.</p> <p>The attachments to this question are: WMP Discovery/2023_DR_California, 032-Q003 Confidential Declaration, Transmission and one being provided pursuant to the necessary confidentiality declaration "WMP Discovery/2023_DR_California, 032-Q003 Confidential Declaration".</p> <p>PG&amp;E does not have a sole-source contract process that removes state and federal sole-source contracting law. Instead, PG&amp;E has a direct award process that documents contracts that are awarded over certain dollar thresholds to suppliers that are not pre-qualified suppliers (generally, master services agreement or utility agreement applies). PG&amp;E currently uses a Direct Award Documentation (DAD) form to document our direct awards.</p> <p>PG&amp;E identified two direct award contracts that we have executed with entities providing goods and/or services related to system hardening distribution undergrounding projects. The population of contracts PG&amp;E reviewed included contracts for work during the period from 10/1/2022 and above that contained spend during that period was greater than \$100,000.</p> <p>The direct award contracts and associated information that PG&amp;E is providing are:</p> <ul style="list-style-type: none"> <li>WMP-Discovery/2023_DR_California, 032-Q003AB-CONC.pdf</li> <li>WMP-Discovery/2023_DR_California, 032-Q003AB-CONC.pdf</li> <li>WMP-Discovery/2023_DR_California, 032-Q003AB-CONC.pdf</li> <li>WMP-Discovery/2023_DR_California, 032-Q003AB-CONC.pdf</li> <li>WMP-Discovery/2023_DR_California, 032-Q003AB-CONC.pdf</li> </ul> <p>Attachments (1-4) are the Direct Award Documentation and Contract, including Current Change Order for the first award which included a direct award contract. Attachments (4-5) are the Direct Award Documentation and Contract for the second award which received a direct award contract.</p> <p>1) See responses to part a.</p> <p>2) See responses to part a.</p>	Holly Wetman	10/31/2023	11/14/2023	11/14/2023	<a href="https://www.pge.com/content/dam/pge/docs/overhead-to-undergrounding-2023-2024-report.pdf">https://www.pge.com/content/dam/pge/docs/overhead-to-undergrounding-2023-2024-report.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_Sat WMP-32	3	CAPA_Sat WMP-32_Q3	<p>Please provide copies of all current, sole-source contracts PG&amp;E has executed with third parties with regard to any of the following:</p> <p>a) Supplies of materials related to distribution undergrounding projects.</p> <p>b) Entities who perform labor related to distribution undergrounding projects.</p> <p>c) Entities who assist PG&amp;E with planning, permitting, environmental review, and other similar non-construction tasks related to distribution undergrounding projects.</p> <p>d) Any other entities who provide goods or services to PG&amp;E in relation to distribution undergrounding projects.</p>	<p>PG&amp;E identified two direct award contracts that we have executed with entities providing goods and/or services related to system hardening distribution undergrounding projects. The population of contracts PG&amp;E reviewed included contracts for work during the period from 10/1/2022 and above that contained spend during that period was greater than \$100,000.</p> <p>The direct award contracts and associated information that PG&amp;E is providing are:</p> <ul style="list-style-type: none"> <li>WMP-Discovery/2023_DR_California, 032-Q003AB-CONC.pdf</li> <li>WMP-Discovery/2023_DR_California, 032-Q003AB-CONC.pdf</li> <li>WMP-Discovery/2023_DR_California, 032-Q003AB-CONC.pdf</li> <li>WMP-Discovery/2023_DR_California, 032-Q003AB-CONC.pdf</li> <li>WMP-Discovery/2023_DR_California, 032-Q003AB-CONC.pdf</li> </ul> <p>Attachments (1-4) are the Direct Award Documentation and Contract, including Current Change Order for the first award which included a direct award contract. Attachments (4-5) are the Direct Award Documentation and Contract for the second award which received a direct award contract.</p> <p>1) See responses to part a.</p> <p>2) See responses to part a.</p>	Holly Wetman	10/31/2023	12/1/2023	12/1/2023	<a href="https://www.pge.com/content/dam/pge/docs/overhead-to-undergrounding-2023-2024-report.pdf">https://www.pge.com/content/dam/pge/docs/overhead-to-undergrounding-2023-2024-report.pdf</a>	5	NA	8.1.2	Grid Design, Operations, and Maintenance	Grid Design and System Hardening
482	CAPA	Set WMP-32	CAPA_Sat WMP-32	4	CAPA_Sat WMP-32_Q4	<p>Describe all vegetation management activities that PG&amp;E typically performs around the following line types. In your responses to parts (b) through (d) please describe a) and b) what steps PG&amp;E is following the vegetation management activities for that category manager offer compared to your response to part (a):</p> <p>a) Aboveground distribution mains located in HFTD/HFRA.</p> <p>b) Aboveground distribution secondaries located in HFTD/HFRA.</p> <p>c) Aboveground distribution services located in HFTD/HFRA.</p> <p>d) Right-of-way for underground distribution located in HFTD/HFRA.</p>	<p>All SR&amp;E activities are as follows:</p> <ul style="list-style-type: none"> <li>We designed the system to address Primary Distribution voltages 48V, 120V, 150V and 270V. The following programs target work on OH facilities:</li> <li>Annual Routine Tree Inspection (systemwide at all line miles), resulting pruning and tree removals.</li> <li>Pruning to maintain 4 feet of year-round clearance outside HFTD and HFRA.</li> <li>Pruning to maintain 4 feet of year-round clearance inside HFTD and HFRA and pruning to maintain 4 feet of clearance inside SRA during restricted fire season.</li> <li>Maintenance of Overhang removal on EVSE circuit segments completed 2021-2022.</li> <li>Mitigation to complete low removal for residential tree corridors identified during inspections to comply to PG&amp;E's attention by tree removal programs, customer or agency coordination.</li> <li>Second Period Tree Inspection in HFTD and HFRA, resulting pruning and tree removals.</li> <li>Second inspection approximately 6 months after Annual Routine inspections to identify emerging hazards.</li> <li>WMP-Discovery/2023_DR_California, 032-Q004 Page 2</li> <li>Tree Manually</li> <li>Prune Tree work based on local or tree specific conditions.</li> <li>Address tree responses (prune) that annual pruning currently mitigate to maintain compliance with Minimum Distance Requirements.</li> <li>Vegetation Control (Firebreak maintenance) in SRA/HFRA HFTD and HFRA.</li> <li>All poles supporting equipment not specifically exempted by 14 CCR 1205.</li> <li>Additional inventory in HFTD and HFRA supporting the same equipment requiring firebreaks in SRA and HFRA.</li> <li>These poles are all maintained and evaluated for risk.</li> <li>Low risk poles are not maintained unless conditions change as indicated risk.</li> </ul>	Holly Wetman	10/31/2023	11/14/2023	11/14/2023	<a href="https://www.pge.com/content/dam/pge/docs/overhead-to-undergrounding-2023-2024-report.pdf">https://www.pge.com/content/dam/pge/docs/overhead-to-undergrounding-2023-2024-report.pdf</a>	0	NA	8.2	Vegetation Management and Inspections	NA
483	CAPA	Set WMP-32	CAPA_Sat WMP-32	5	CAPA_Sat WMP-32_Q5	<p>Please estimate the typical annual cost per mile of vegetation management activities that PG&amp;E performs around the following line types:</p> <p>a) Aboveground distribution mains located in HFTD/HFRA.</p> <p>b) Aboveground distribution secondaries located in HFTD/HFRA.</p> <p>c) Aboveground distribution services located in HFTD/HFRA.</p> <p>d) Right-of-way for underground distribution located in HFTD/HFRA.</p>	<p>All SR&amp;E activities are as follows:</p> <ul style="list-style-type: none"> <li>We designed the system to address Primary Distribution voltages 48V, 120V, 150V and 270V. The following programs target work on OH facilities:</li> <li>Annual Routine Tree Inspection (systemwide at all line miles), resulting pruning and tree removals.</li> <li>Pruning to maintain 4 feet of year-round clearance outside HFTD and HFRA.</li> <li>Pruning to maintain 4 feet of year-round clearance inside HFTD and HFRA and pruning to maintain 4 feet of clearance inside SRA during restricted fire season.</li> <li>Maintenance of Overhang removal on EVSE circuit segments completed 2021-2022.</li> <li>Mitigation to complete low removal for residential tree corridors identified during inspections to comply to PG&amp;E's attention by tree removal programs, customer or agency coordination.</li> <li>Second Period Tree Inspection in HFTD and HFRA, resulting pruning and tree removals.</li> <li>Second inspection approximately 6 months after Annual Routine inspections to identify emerging hazards.</li> <li>WMP-Discovery/2023_DR_California, 032-Q004 Page 2</li> <li>Tree Manually</li> <li>Prune Tree work based on local or tree specific conditions.</li> <li>Address tree responses (prune) that annual pruning currently mitigate to maintain compliance with Minimum Distance Requirements.</li> <li>Vegetation Control (Firebreak maintenance) in SRA/HFRA HFTD and HFRA.</li> <li>All poles supporting equipment not specifically exempted by 14 CCR 1205.</li> <li>Additional inventory in HFTD and HFRA supporting the same equipment requiring firebreaks in SRA and HFRA.</li> <li>These poles are all maintained and evaluated for risk.</li> <li>Low risk poles are not maintained unless conditions change as indicated risk.</li> </ul>	Holly Wetman	10/31/2023	11/14/2023	11/14/2023	<a href="https://www.pge.com/content/dam/pge/docs/overhead-to-undergrounding-2023-2024-report.pdf">https://www.pge.com/content/dam/pge/docs/overhead-to-undergrounding-2023-2024-report.pdf</a>	9	NA	8.2	Vegetation Management and Inspections	NA
484	CAPA	Set WMP-32	CAPA_Sat WMP-32	6	CAPA_Sat WMP-32_Q6	<p>Can Attachments understand that, in every project to replace overhead bare distribution with covered conductor, PG&amp;E performs pole loading calculations for every pole in the project. At the above characterization correct? Please elaborate if incorrect.</p> <p>a) Does PG&amp;E have a threshold safety factor (or other result from a pole loading calculation) at which it will replace poles in a project?</p> <p>b) If the answer to part (a) is yes, please describe PG&amp;E's threshold(s).</p> <p>c) If the answer to part (b) is no, please explain how PG&amp;E determines which poles to replace in a project.</p>	<p>All SR&amp;E activities are as follows:</p> <ul style="list-style-type: none"> <li>We designed the system to address Primary Distribution voltages 48V, 120V, 150V and 270V. The following programs target work on OH facilities:</li> <li>Annual Routine Tree Inspection (systemwide at all line miles), resulting pruning and tree removals.</li> <li>Pruning to maintain 4 feet of year-round clearance outside HFTD and HFRA.</li> <li>Pruning to maintain 4 feet of year-round clearance inside HFTD and HFRA and pruning to maintain 4 feet of clearance inside SRA during restricted fire season.</li> <li>Maintenance of Overhang removal on EVSE circuit segments completed 2021-2022.</li> <li>Mitigation to complete low removal for residential tree corridors identified during inspections to comply to PG&amp;E's attention by tree removal programs, customer or agency coordination.</li> <li>Second Period Tree Inspection in HFTD and HFRA, resulting pruning and tree removals.</li> <li>Second inspection approximately 6 months after Annual Routine inspections to identify emerging hazards.</li> <li>WMP-Discovery/2023_DR_California, 032-Q004 Page 2</li> <li>Tree Manually</li> <li>Prune Tree work based on local or tree specific conditions.</li> <li>Address tree responses (prune) that annual pruning currently mitigate to maintain compliance with Minimum Distance Requirements.</li> <li>Vegetation Control (Firebreak maintenance) in SRA/HFRA HFTD and HFRA.</li> <li>All poles supporting equipment not specifically exempted by 14 CCR 1205.</li> <li>Additional inventory in HFTD and HFRA supporting the same equipment requiring firebreaks in SRA and HFRA.</li> <li>These poles are all maintained and evaluated for risk.</li> <li>Low risk poles are not maintained unless conditions change as indicated risk.</li> </ul>	Holly Wetman	10/31/2023	11/14/2023	11/14/2023	<a href="https://www.pge.com/content/dam/pge/docs/overhead-to-undergrounding-2023-2024-report.pdf">https://www.pge.com/content/dam/pge/docs/overhead-to-undergrounding-2023-2024-report.pdf</a>	1	NA	7.2	Wildfire Migration Strategy Development	Wildfire Migration Strategy
485	CAPA	Set WMP-32	CAPA_Sat WMP-32	7	CAPA_Sat WMP-32_Q7	<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> <p>a) Pole IDs.</p> <p>b) Estimated safety factor before conductor replacement (cover conductor).</p> <p>c) Estimated safety factor after conductor replacement (covered conductor).</p> <p>d) Determination of whether the pole needed replacement based on safety factor.</p> <p>e) Whether the pole was actually replaced.</p>	<p>All SR&amp;E activities are as follows:</p> <ul style="list-style-type: none"> <li>We designed the system to address Primary Distribution voltages 48V, 120V, 150V and 270V. The following programs target work on OH facilities:</li> <li>Annual Routine Tree Inspection (systemwide at all line miles), resulting pruning and tree removals.</li> <li>Pruning to maintain 4 feet of year-round clearance outside HFTD and HFRA.</li> <li>Pruning to maintain 4 feet of year-round clearance inside HFTD and HFRA and pruning to maintain 4 feet of clearance inside SRA during restricted fire season.</li> <li>Maintenance of Overhang removal on EVSE circuit segments completed 2021-2022.</li> <li>Mitigation to complete low removal for residential tree corridors identified during inspections to comply to PG&amp;E's attention by tree removal programs, customer or agency coordination.</li> <li>Second Period Tree Inspection in HFTD and HFRA, resulting pruning and tree removals.</li> <li>Second inspection approximately 6 months after Annual Routine inspections to identify emerging hazards.</li> <li>WMP-Discovery/2023_DR_California, 032-Q004 Page 2</li> <li>Tree Manually</li> <li>Prune Tree work based on local or tree specific conditions.</li> <li>Address tree responses (prune) that annual pruning currently mitigate to maintain compliance with Minimum Distance Requirements.</li> <li>Vegetation Control (Firebreak maintenance) in SRA/HFRA HFTD and HFRA.</li> <li>All poles supporting equipment not specifically exempted by 14 CCR 1205.</li> <li>Additional inventory in HFTD and HFRA supporting the same equipment requiring firebreaks in SRA and HFRA.</li> <li>These poles are all maintained and evaluated for risk.</li> <li>Low risk poles are not maintained unless conditions change as indicated risk.</li> </ul>	Holly Wetman	10/31/2023	11/14/2023	11/14/2023	<a href="https://www.pge.com/content/dam/pge/docs/overhead-to-undergrounding-2023-2024-report.pdf">https://www.pge.com/content/dam/pge/docs/overhead-to-undergrounding-2023-2024-report.pdf</a>	1	NA	7.2	Wildfire Migration Strategy Development	Wildfire Migration Strategy



496	CAIPA	Set WMP-34	CAIPA_Set WMP-34	6	CAIPA_Set WMP-34_06	<p>Please attach the data presented in question 5 into performance quartiles based on SAIDI and SAIFI. (An example table is included below the question's subpart 1.)</p> <p>a) Of the distribution circuits listed in response to Question 5, identify in an Excel spreadsheet format the best performing (i.e., circuits experiencing the least number of sustained outages) 25% circuits by average combined SAIFI for years 2017 to 2019 in each of your divisions.</p> <p>b) Of the distribution circuits listed in response to Question 5, identify in an Excel spreadsheet format the worst performing (i.e., circuits experiencing the most sustained outages) 25% circuits by average combined SAIFI for years 2017 to 2019 in each of your divisions.</p> <p>c) Of the distribution circuits listed in response to Question 5, identify in an Excel spreadsheet format the best performing SAIDI (i.e., circuits experiencing the lowest duration of sustained outages) 25% circuits by average combined SAIDI for years 2017 to 2019 in each of your divisions.</p> <p>d) Of the distribution circuits listed in response to Question 5, identify in an Excel spreadsheet format the worst performing (i.e., circuits experiencing the longest duration of sustained outages) 25% circuits by average combined SAIDI for years 2017 to 2019 in each of your divisions.</p> <p>Example Table: Question 6, Part a)</p> <p>Circuit Name Average SAIFI 2017-2019 Los Padres San Francisco 1101 1100 Los Padres Los Angeles 1102 1101 North Valley Sacramento 1103 25%</p>	Please see "WMP-Discovery2023-2025_DR_CalAdvocates_054-0009A01.xlsx" for sub-parts a-d.	Justin Hegler	12/12/2023	12/22/2024	12/22/2024	<a href="https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_054-0009A01.xlsx">https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_054-0009A01.xlsx</a>	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
497	CAIPA	Set WMP-34	CAIPA_Set WMP-34_07	7	CAIPA_Set WMP-34_07	<p>Please an Excel table that lists (a) each sustained outage that occurred from January 1, 2017 through December 31, 2022 on any of the circuits identified in your response to Question 6. For each outage, the Excel table should include the following information in separate columns:</p> <p>a) Circuit Name b) Outage ID c) Circuit Name d) Cause e) Was EPSS enabled on the circuit at the time of the outage? f) When was the circuit made EPSS-capable? g) PUL #/No. Light h) Change End Cap. Time i) CEDD (Count of Customers Experiencing Outages) j) Customer Misuse k) Cause (If known) l) Restoration Time (Minutes)</p>	I sustained outages with information for a., and g-i are provided in "WMP-Discovery2023-2025_DR_CalAdvocates_054-0009A01.xlsx". In regard to sub-part 1, the information of when the circuit was first made EPSS capable is provided in "WMP-Discovery2023-2025_DR_CalAdvocates_054-0009A02.xlsx".	Justin Hegler	12/12/2023	12/22/2024	12/22/2024	<a href="https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_054-0009A02.xlsx">https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_054-0009A02.xlsx</a>	2	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
498	CAIPA	Set WMP-34	CAIPA_Set WMP-34_08	8	CAIPA_Set WMP-34_08	<p>Please an Excel table that lists (a) each sustained outage that occurred from January 1, 2017 through December 31, 2022 on any of the circuits identified in your response to Question 6. For each outage, the Excel table should include the following information in separate columns:</p> <p>a) Circuit Name b) Outage ID c) Circuit Name d) Cause e) Was EPSS enabled on the circuit at the time of the outage? f) When was the circuit made EPSS-capable? g) PUL #/No. Light h) Change End Cap. Time i) CEDD (Count of Customers Experiencing Outages) j) Customer Misuse k) Cause (If known) l) Restoration Time (Minutes)</p>	All remedial outages with information for a., and g-i are provided in "WMP-Discovery2023-2025_DR_CalAdvocates_054-0009A01.xlsx". In regard to sub-part 1, the information of when the circuit was first made EPSS capable is provided in "WMP-Discovery2023-2025_DR_CalAdvocates_054-0009A02.xlsx".	Justin Hegler	12/12/2023	12/22/2024	12/22/2024	<a href="https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_054-0009A02.xlsx">https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_054-0009A02.xlsx</a>	1	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
499	CAIPA	Set WMP-34	CAIPA_Set WMP-34_09	9	CAIPA_Set WMP-34_09	<p>Regarding POGE's 2021 Reliability Report, POGE stated "Basic reliability projects have been initiated on Garberville 1101 circuit to minimize the impacts of EPSS... and taking a more surgical approach in applying EPSS settings when the circuit is most at risk". However, POGE did not report an EPSS outage for Garberville 1101 in 2021. POGE's first reported outage on Garberville 1101 was on July 24, 2022, 10 months after the 2021 Reliability Report was published. Please explain this discrepancy.</p>	We confirm that Garberville 1101 had no 2021 outages categorized as EPSS outages as reported in POGE's January Monthly Report. The proposed basic reliability project (Pul. Saver installation) on an EPSS Annual Electric Reliability Report (EPSS) Report 2021, which was published following the 2021 EPSS pilot effort, and information by outages in the pilot, was identified as a proactive strategy to both minimize address risk while also providing reliability improvement benefits under EPSS installation conditions.	Justin Hegler	12/12/2023	11/9/2024	11/9/2024	<a href="https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_054-0009A02.xlsx">https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_054-0009A02.xlsx</a>	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
500	CAIPA	Set WMP-34	CAIPA_Set WMP-34_10	10	CAIPA_Set WMP-34_10	<p>Regarding POGE's 2021 Reliability Report, POGE stated "Basic reliability project has been initiated on Otter 1102 circuit to minimize the impacts of EPSS... and taking a more surgical approach in applying EPSS settings when the circuit is most at risk". However, POGE did not report an EPSS outage for Otter 1102 in 2021. POGE's first reported outage on Otter 1102 was on August 10, 2022, 13 months after the 2021 Reliability Report was published. Please explain this discrepancy.</p>	We confirm Otter 1102 had no 2021 outages categorized as EPSS outages as reported in POGE's January Monthly Report. The proposed basic reliability project (Pul. Saver installation) on an EPSS Annual Electric Reliability Report (EPSS) Report 2021, which was published following the 2021 EPSS pilot effort and information by outages of that pilot, was identified as a proactive strategy to both minimize address risk while also providing reliability improvement benefits under EPSS installation conditions.	Justin Hegler	12/12/2023	11/9/2024	11/9/2024	<a href="https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_054-0009A02.xlsx">https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_054-0009A02.xlsx</a>	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
501	CAIPA	Set WMP-34	CAIPA_Set WMP-34_11	11	CAIPA_Set WMP-34_11	<p>In POGE's November 2023 EPSS Monthly report, POGE reports that there have been 28 outages on EPSS-enabled Transmission lines (TEPSS) outages in the year-to-date. As the three distribution outages (e.g., no distribution customers that may be served from a substation that may be fed by the transmission line that result from outages that occur and EPSS-enabled transmission line)? b) Did any of the 28 reported TEPSS outages in 2023 cause downstream impacts to other transmission or distribution lines? c) If the answer to part (b) is yes, please describe the nature of the downstream impacts. d) The answer to part (b) is yes, are these downstream outages reported as EPSS outages in POGE's monthly EPSS reports or in any other reporting venue? e) If the answer to part (b) is yes, why did POGE not have a tracking or contingency transmission circuit(s) in place to avoid downstream distribution outages?</p>	a) Yes, a Distribution outage may result as a result of an outage on an EPSS-enabled Transmission line. b) The TEPSS outages reported in an EPSS Monthly Report represent the outages on Distribution lines that resulted from outages on Transmission lines while EPSS settings were enabled. c) Please see response (b) above. d) Transmission EPSS settings are only enabled on radial transmission lines to reduce impacts on the bulk electrical system. By design, these transmission lines serve as the only remote source for the substation(s) they feed and as such, distribution circuits will be energized if an outage is experienced on the transmission circuit. This would be true even when there is an outage on those transmission circuits.	Justin Hegler	12/12/2023	11/9/2024	11/9/2024	<a href="https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_054-0009A02.xlsx">https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_054-0009A02.xlsx</a>	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
502	CAIPA	Set WMP-35	CAIPA_Set WMP-35	1	CAIPA_Set WMP-35_01	<p>In Table 9-2 of POGE's 2023 WMP-R submitted January 30, 2024, POGE indicates that system hardening is planned for certain frequently re-energized circuits. Please update Table 9-2 by proposing the following component year and dollar for each of the mitigation circuit listed in the right-hand column. (Residual value, or planned to be taken, to reduce the need for future PRSP of circuit), if the timetable for completion is unknown or undetermined, please so state.</p>	Please see attachment "WMP-Discovery2023-2025_DR_CalAdvocates_055-0001A01.xlsx" for updates Table 9-2 in January 30, 2024. We included the original Table 9-2 of POGE's 2023 WMP-R in columns 8-1 and updated the column 9 with column 9. We updated electronic circuit Measures Tables, or Planned to be taken, to reflect the need for and impact of Future PRSP of Circuit. New content that has been updated is identified by red text. The table includes the following information: Circuit Name, Circuit ID, Circuit Name, and the original Table 9-2, however, we put POGE's 2024 System Hardening activities. The attachment corresponds with the version of Table 9-2 located on pages 38-59 of our 2023-2025 WMP-R. Please let us know if you would also like the requested information for the second version of Table 9-2 that starts on page 1059 of our 2023-2025 WMP-R.	Franky Liao	2/7/2024	2/23/2024	2/23/2024	<a href="https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_055-0001A01.xlsx">https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_055-0001A01.xlsx</a>	0	NA	8.1.2	Identification of Frequently De-Energized Circuits	NA
503	CAIPA	Set WMP-36	CAIPA_Set WMP-36	1	CAIPA_Set WMP-36_01	<p>POGE provided the following table in the response to California PGE 2023WMP-05 question 4. Please provide an updated table showing actual values for 2023 and forecast for 2024, with the EVM functional programs (designated into the three initiatives described in POGE's response to California PGE 2023WMP-05, Q2).</p> <p>1. Tree Removal Inventory 2. Focused Tree Inspections 3. Major Operational Mitigations</p>	Please see the updated table below for the requested information. 2023 Forecast (\$1,000) Reserve \$76,446 \$604,220 Forecast Pallet \$125,148 \$38,112 WMP-Discovery2023-2025_DR_CalAdvocates_036-0001A01 VC (Pul. Chaining) \$32,829 \$22,363 VC (Pul. Removal) Inventory \$44,828 \$22,163 WMP Operational Mitigations \$13,280 \$22,872 Forecast Tree Inspections in AOC \$37,875 \$81,342 Total \$1,009,922 \$2,024,466	Franky Liao	3/8/2024	3/29/2024	3/29/2024	<a href="https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_036-0001A01.xlsx">https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_036-0001A01.xlsx</a>	0	NA	Vegetation Management	NA	
504	CAIPA	Set WMP-36	CAIPA_Set WMP-36	2	CAIPA_Set WMP-36_02	<p>Please disaggregate the data in Table 11 of POGE's 2023 Q4 ODR such that there is only one Utility Initiative Tracking for each row. If this is not possible, please explain why and clarify the methodology for grouping certain Tracking.</p>	Please refer to the upcoming 2023 WMP Annual Report on Compliance (ARIC) that POGE is filing with the Office of Energy Infrastructure Safety on April 2, 2024. We will provide CA Advocates a copy of this document once it is finalized and filed with the Office of Energy Safety. Utility Initiatives: POGE provides its 2023 actual expenditures and planned budget by Utility Initiative. Tracking to the total of the Utility Initiatives Tracking to see the origin and objectives that POGE has outlined in its 2023-2025 WMP and is a subset of the data information that POGE has made in its public website. Please refer to our 2023 Q4 ODR, Table 11, provides what we consider to be a more complete view of our utility projects and management investments. Furthermore, some terms and objectives have expenditures that are limited to Provider Cost Centers (PCCs), which are closely associated with the departments or groups that provide services to the greater company. The cost of these services is allocated across multiple workareas and are not directly charged to specific projects that can be aligned to a specific WMP initiative. For example, an engineering team may be responsible for evaluating and comparing reports on different technologies for potential use across the company. One of the technologies they evaluate may contribute to an initiative and both the WMP, however, the time that team spends on that specific evaluation, as opposed to all other evaluations they conduct, is not tracked in a website that is accessible to our customers or other stakeholders.	Franky Liao	3/8/2024	3/29/2024	3/29/2024	<a href="https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_036-0001A01.xlsx">https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_036-0001A01.xlsx</a>	0	NA	QDR	NA	NA
504	CAIPA	Set WMP-36	CAIPA_Set WMP-36	200	CAIPA_Set WMP-36_02(w)	<p>Please disaggregate the data in Table 11 of POGE's 2023 Q4 ODR such that there is only one Utility Initiative Tracking for each row. If this is not possible, please explain why and clarify the methodology for grouping certain Tracking.</p>	Please refer to the upcoming 2023 WMP Annual Report on Compliance (ARIC) that POGE is filing with the Office of Energy Infrastructure Safety on April 2, 2024. We will provide CA Advocates a copy of this document once it is finalized and filed with the Office of Energy Safety. Utility Initiatives: POGE provides its 2023 actual expenditures and planned budget by Utility Initiative. Tracking to the total of the Utility Initiatives Tracking to see the origin and objectives that POGE has outlined in its 2023-2025 WMP and is a subset of the data information that POGE has made in its public website. Please refer to our 2023 Q4 ODR, Table 11, provides what we consider to be a more complete view of our utility projects and management investments. Furthermore, some terms and objectives have expenditures that are limited to Provider Cost Centers (PCCs), which are closely associated with the departments or groups that provide services to the greater company. The cost of these services is allocated across multiple workareas and are not directly charged to specific projects that can be aligned to a specific WMP initiative. For example, an engineering team may be responsible for evaluating and comparing reports on different technologies for potential use across the company. One of the technologies they evaluate may contribute to an initiative and both the WMP, however, the time that team spends on that specific evaluation, as opposed to all other evaluations they conduct, is not tracked in a website that is accessible to our customers or other stakeholders.	Franky Liao	3/8/2024	4/9/2024	4/9/2024	<a href="https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_036-0001A01.xlsx">https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_036-0001A01.xlsx</a>	2	NA	QDR	NA	NA
505	CAIPA	Set WMP-36	CAIPA_Set WMP-36_03	3	CAIPA_Set WMP-36_03	<p>Table 7 of POGE's 2023 Q4 ODR does not reflect the planned or actual net addition or removal values reported in Table 8. Why?</p> <p>Table 7 of POGE's 2023 Q4 ODR does not reflect the planned or actual net addition or removal values reported in Table 8. Why?</p>	a) The data used in Table 7 is extracted from POGE's GIS systems, and other critical databases. The data in POGE's GIS systems are also used for the submission of the Spatial Query Data Report. For the Data Database, Table 7 breaks down utility equipment and customer counts across multiple service area designations. Table 8 provides a summary of projected and actual additions or removals of utility equipment and customer counts across multiple service area designations. POGE's information in Table 8 is the Quarterly Change in system year-over-year. For example, the calculation for 2023 is more than the difference between Q4 2023 and Q4 2022 to obtain the data. b) Table 7 and Table 8 are both accurate, and Table 8 is formulaically derived from Table 7.	Franky Liao	3/8/2024	3/29/2024	3/29/2024	<a href="https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_036-0001A01.xlsx">https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_036-0001A01.xlsx</a>	0	NA	QDR	NA	NA
506	CAIPA	Set WMP-36	CAIPA_Set WMP-36_04	4	CAIPA_Set WMP-36_04	<p>Table 9 of POGE's 2023 Q4 ODR on the utility infrastructure upgrades.</p> <p>a) Please provide clarification on how POGE interprets and uses the term "utility infrastructure upgrades".</p> <p>b) Please disaggregate the data in Table 9 of POGE's 2023 Q4 ODR on the utility infrastructure upgrades.</p>	a) For our 2023 QDR submissions, the term "utility infrastructure upgrades" refers to all implemented or planned utility infrastructure projects that include construction, upgrading, and/or replacement. Additional details about this work can be found in WMP commitment (System Hardening), in Section 8.2.2 of our 2023-2025 WMP (pages 336-339). b) The negative values reported in the table represent a mathematical error. Upon review of the calculation and associated method used to report the data reported in Table 9, we corrected the spreadsheet error in our 2024 WMP. The corrected values are provided in the attached "Table 9 of POGE's 2023 Q4 ODR on the utility infrastructure upgrades" spreadsheet. Please see the updated Table 9 below, with the corrections incorporated into the spreadsheet. This data is included below in the cumulative, year-to-date System Hardening table compiled by quarter based on GHG WMP target commitment. POGE will submit a corrected ODR in Energy Safety's QDR tracker.	Franky Liao	3/8/2024	3/29/2024	3/29/2024	<a href="https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_036-0001A01.xlsx">https://www.gse.com/Files/Regulatory/OutageData/2023-2025_DR_CalAdvocates_036-0001A01.xlsx</a>	0	NA	QDR	NA	NA

507	CA/PA	Set WMP-40	CA/PA, Set WMP-40	1	CA/PA, Set WMP-40_O1	<p>PG&amp;E issues on page 23 of its 2023 WMP Update regarding its workplan for undergrounding and covered conductor projects.</p> <p>PG&amp;E is currently refining our workplan for both overhead hardening and undergrounding projects through the end of the GRC period (2023) to account for the direction provided in D-23-11-089. As we refine the workplan, we continue the approach described in the Base 2023-2025 WMP of intentionally building additional miles into the location to account for unforeseen delays to scheduled projects such as property sale, weather permitting, and right-of-way acquisition, materials, or other concerns. Thus, some of the projects included in this workplan may not be completed in 2023 as intended. Generally, PG&amp;E will complete working on these projects until they can be completed. Finally, additional projects may be identified and added to the working plan forward for potential completion in 2023 as intended.</p> <p>As per the answer to part (a) yes, please identify PG&amp;E's intended cost recovery value for the abovementioned undergrounding projects not completed in 2023 as intended.</p> <p>As per the answer to part (b) yes, please identify PG&amp;E's intended cost recovery value for the abovementioned overhead hardening projects not completed in 2023 as intended.</p> <p>As per the answer to part (c) yes, please identify PG&amp;E's intended cost recovery value for the abovementioned "additional" projects that may be identified and added to the workplan.</p>	0	NA	8.1.2	Section 8.1.2 - Grid Design and System Hardening	8.1.2.2 Undergrounding of electric lines and/or equipment
508	CA/PA	Set WMP-40	CA/PA, Set WMP-40	2	CA/PA, Set WMP-40_O2	<p>PG&amp;E issues on page 23 of its 2023 WMP Update regarding its workplan for undergrounding projects.</p> <p>PG&amp;E is currently refining our workplan for both overhead hardening and undergrounding projects through the end of the GRC period (2023) to account for the direction provided in D-23-11-089.</p> <p>Additionally, PG&amp;E's Base 2023-2025 WMP at page 408 states annual undergrounding mileage targets or forecasts: 300 miles in 2023, 290 miles in 2024, 120 miles in 2025, and 448 miles in 2026.</p> <p>With respect to undergrounding projects specifically:</p> <p>(a) D-23-11-089 asks annual risk reduction targets to be achieved by undergrounding 4 in the 2023-2025 WMP period as a whole, does PG&amp;E currently expect to fall short of, meet or exceed the risk reduction target established in the GRC period?</p> <p>(b) According to PG&amp;E's current workplan, what is the amount of risk reduction that PG&amp;E expects to achieve in 2023 due to undergrounding projects?</p> <p>(c) How does your answer to part (b) compare to the risk reduction target established in D-23-11-089?</p> <p>(d) According to PG&amp;E's current workplan, what is the amount of risk reduction that PG&amp;E expects to achieve in 2024 due to undergrounding projects?</p> <p>(e) How does your answer to part (d) compare to the risk reduction target established in D-23-11-089?</p> <p>(f) Does PG&amp;E anticipate completing additional undergrounding mileage in 2023-2026 beyond the GRC-audited 1,200 undergrounding miles?</p> <p>(g) If yes, please state the number of miles and PG&amp;E's intended cost recovery value for said miles.</p>	0	NA	8	Section 8.1.2 - Grid Design and System Hardening	8.1.2.2 Covered Conductor Installation - Overhead
509	CA/PA	Set WMP-40	CA/PA, Set WMP-40	3	CA/PA, Set WMP-40_O3	<p>PG&amp;E issues on page 23 of its 2023 WMP Update regarding its workplan for covered conductor projects.</p> <p>PG&amp;E is currently refining our workplan for both overhead hardening and undergrounding projects through the end of the GRC period (2023) to account for the direction provided in D-23-11-089.</p> <p>With respect to covered conductor projects specifically:</p> <p>(a) D-23-11-089 asks annual risk reduction targets to be achieved by installing overhead conductor. In the 2023-2025 WMP period as a whole, does PG&amp;E currently expect to fall short of, meet or exceed the risk reduction target established in the GRC period?</p> <p>(b) According to PG&amp;E's current workplan, what is the amount of risk reduction that PG&amp;E expects to achieve in 2023 due to covered conductor projects?</p> <p>(c) How does your answer to part (b) compare to the risk reduction target established in D-23-11-089?</p> <p>(d) According to PG&amp;E's current workplan, what is the amount of risk reduction that PG&amp;E expects to achieve in 2024 due to covered conductor projects?</p> <p>(e) How does your answer to part (d) compare to the risk reduction target established in D-23-11-089?</p> <p>(f) Does PG&amp;E anticipate completing additional covered conductor mileage in 2023-2026 beyond the GRC-audited 178 covered conductor miles?</p> <p>(g) If yes, please state the number of miles and PG&amp;E's intended cost recovery value for said miles.</p>	0	NA	8	Section 8.1.2 - Grid Design and System Hardening	8.1.2.1 Traditional Overhead Hardening - Transmission Conductor
510	CA/PA	Set WMP-40	CA/PA, Set WMP-40	4	CA/PA, Set WMP-40_O4	<p>PG&amp;E issues on page 23 of its 2023 WMP Update: "PG&amp;E proposes to add a 2025 target (System Hardening Transmission Conductor Segment Replacement (GH-1)) to perform conductor segment replacement on two transmission lines."</p> <p>(a) Was the abovementioned work reported and authorized in PG&amp;E's Test Year 2023 GRC?</p> <p>(b) If yes, please provide the verbal and page number in PG&amp;E's Test Year 2023 GRC findings that discuss this work, as well as the relevant Major Activity Type (MAT) code or codes.</p> <p>(c) If no, please provide the four authorized funding amount for the program as of 6/30/23 in D-23-11-089, with a link to the relevant pages of that document.</p>	0	NA	8	Section 8.1.2 - Grid Design and System Hardening	8.1.2.5 Traditional Overhead Hardening - Transmission Conductor
511	CA/PA	Set WMP-40	CA/PA, Set WMP-40	5	CA/PA, Set WMP-40_O5	<p>PG&amp;E issues on page 3 of its 2023 WMP update that it is introducing a new evolution of its WideArea Distribution Risk Model (WDRM, called WDRM v4). The update from the WDRM v3 is expected to inform some risk-prioritized, short-cycle work in 2023 and other risk-prioritized long-cycle work in 2024 and beyond."</p> <p>As per the answer to part (a) yes, please explain how PG&amp;E intends to report the risk reduction in the SHAR.</p> <p>As per the answer to part (b) yes, please explain how PG&amp;E intends to report the risk reduction in the SHAR.</p> <p>As per the answer to part (c) yes, please explain how PG&amp;E intends to report the risk reduction in the SHAR.</p> <p>As per the answer to part (d) yes, please identify any changes to the SHAR template (e.g. adding fields) that would need to be made to include the necessary information to track such projects.</p> <p>As per the answer to part (e) yes, please identify any changes to the SHAR to facilitate tracking projects scoped using the WDRM v4 risk management.</p>	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
512	CA/PA	Set WMP-40	CA/PA, Set WMP-40	6	CA/PA, Set WMP-40_O6	<p>PG&amp;E issues on page 3 of its 2023 WMP update that it is introducing a new evolution of its WideArea Distribution Risk Model (WDRM, called WDRM v4). The update from the WDRM v3 is expected to inform some risk-prioritized, short-cycle work in 2023 and other risk-prioritized long-cycle work in 2024 and beyond."</p> <p>As per the answer to part (a) yes, please explain how PG&amp;E intends to report the risk reduction in the SHAR.</p> <p>As per the answer to part (b) yes, please explain how PG&amp;E intends to report the risk reduction in the SHAR.</p> <p>As per the answer to part (c) yes, please explain how PG&amp;E intends to report the risk reduction in the SHAR.</p> <p>As per the answer to part (d) yes, please identify any changes to the SHAR template (e.g. adding fields) that would need to be made to include the necessary information to track such projects.</p> <p>As per the answer to part (e) yes, please identify any changes to the SHAR to facilitate tracking projects scoped using the WDRM v4 risk management.</p>	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
513	CA/PA	Set WMP-40	CA/PA, Set WMP-40	7	CA/PA, Set WMP-40_O7	<p>PG&amp;E issues on page 51 of its 2023 WMP Update that, in response to ADI PG&amp;E-23-08 - Updating Grid Hardening Decision Making, PG&amp;E is developing a Cost-Benefit Cost-Benefit tool to incorporate cost effectiveness components, reliability considerations, and location-specific mitigation effectiveness calculations. PG&amp;E further states that emergency projects "scoped with the WDRM v4 in 2024 and 2025 will only have a completion date in 2027 or later."</p> <p>(a) How are WDRM v4 projects to be tracked to scope any projects that will be tracked in the System Hardening Accountability Report required by D-23-11-089?</p> <p>(b) If the answer to part (a) is yes, please identify any changes to the SHAR template (e.g. adding fields) that would need to be made to include the necessary information to track such projects.</p> <p>(c) Does PG&amp;E expect to require any changes to the SHAR to facilitate tracking projects scoped using the WDRM v4 risk management?</p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4.02 PG&E-23-08 - Updating Grid Hardening Decision Making

514	CaPA	Set WMP-41	CaPA_Set WMP-41-01	1	CaPA_Set WMP-41-01	<p>a) Please list all distinct risk scores generated by PG&amp;E's WDRM v4. For example, WDRM v4 generated 17 different risk scores. 4.</p> <p>b) For each risk score in part (a), please provide a category or brief description of the type of risk the score represents.</p> <p>c) For each risk score in part (a), please provide a brief explanation of how PG&amp;E intends to use the risk score.</p> <p>d) For each risk score in part (a), please list all PG&amp;E wildfire mitigation initiatives that are informed by that risk score. If PG&amp;E expects to utilize a risk score to inform a mitigation initiative in the future, please so note.</p> <p>e) For each risk score in part (a), please state the most granular level available for that risk score. For example, in WDRM v3, the most granular level available would be the risk scores associated with individual 100m x 100m pixels.</p> <p>f) For each risk score in part (a), please state the granularity at which the risk score is used to inform wildfire mitigation responses (e.g., circuit segment, circuit, individual assets, individual lines, etc.).</p>	Holy Wellman	4/5/2024	4/11/2024	4/11/2024	<a href="https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/">https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/</a>	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models			
515	CaPA	Set WMP-41	CaPA_Set WMP-41-02	2	CaPA_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 v4 generated five composite risk scores.</p> <p>b) For each risk score in part (a), please provide a category or brief description of the type of risk the score represents.</p> <p>c) For each risk score in part (a), please provide a brief explanation of how PG&amp;E intends to use the risk score.</p> <p>d) For each risk score in part (a), please list all PG&amp;E wildfire mitigation initiatives that are informed by that risk score. If PG&amp;E expects to utilize a risk score to inform a mitigation initiative in the future, please so note.</p> <p>e) For each risk score in part (a), please state the most granular level available for that risk score. For example, in WDRM v3, the most granular level available would be the risk scores associated with individual 100m x 100m pixels.</p> <p>f) For each risk score in part (a), please state the granularity at which the risk score is used to inform wildfire mitigation responses (e.g., circuit segment, circuit, individual assets, individual lines, etc.).</p>	Holy Wellman	4/5/2024	4/11/2024	4/11/2024	<a href="https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/">https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/</a>	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models			
516	CaPA	Set WMP-41	CaPA_Set WMP-41-03	3	CaPA_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, but that PG&amp;E believes substantially contains the information requested in questions 3 and 4, please contact the engineers to discuss the format of your responses.</p> <p>Question 3</p> <p>Please provide a GIS file that details the most granular level (as discussed in questions 1(b) and 2(a)) available for each risk score identified in questions 1(b) and 2(a). This file should contain the following:</p> <p>a) Current features detailing the most granular level available for each risk score. This may be polygons that depict "pixels." These pixels should represent polygons that represent the most granular level available for the risk score. If multiple risk scores share geometry (e.g., multiple risk scores that are used to inform mitigation measures at the circuit segment level), there is no need to include multiple layers that depict the same physical geometry.</p> <p>b) For each geometric feature, include the circuit identification number in an attribute.</p> <p>c) For each geometric feature, include the circuit segment name in an attribute.</p> <p>d) For each geometric feature, include the circuit segment name in an attribute.</p> <p>e) For each geometric feature, include the circuit segment name in an attribute.</p> <p>f) For each geometric feature, include the circuit segment name in an attribute.</p> <p>Question 4</p> <p>Please provide a GIS file that details the risk scores at the same granularity that is currently used to inform wildfire mitigation measures (as discussed in questions 1(b) and 2(b)). This file should contain the following:</p> <p>a) Current features detailing the most granular level available for each risk score. This may be polygons that depict "pixels." These pixels should represent polygons that represent the most granular level available for the risk score. If multiple risk scores share geometry (e.g., multiple risk scores that are used to inform mitigation measures at the circuit segment level), there is no need to include multiple layers that depict the same physical geometry.</p> <p>b) For each geometric feature, include the circuit identification number in an attribute.</p> <p>c) For each geometric feature, include the circuit segment name in an attribute.</p> <p>d) For each geometric feature, include the circuit segment name in an attribute.</p> <p>e) For each geometric feature, include the circuit segment name in an attribute.</p> <p>f) For each geometric feature, include the circuit segment name in an attribute.</p>	Holy Wellman	4/5/2024	4/29/2024	4/29/2024	<a href="https://www.pge.com/press/2024/04/29/04292024-ca-pa-wdrmv4-risk-scores/">https://www.pge.com/press/2024/04/29/04292024-ca-pa-wdrmv4-risk-scores/</a>	2	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models			
517	CaPA	Set WMP-41	CaPA_Set WMP-41-04	4	CaPA_Set WMP-41-04	<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, but that PG&amp;E believes substantially contains the information requested in questions 3 and 4, please contact the engineers to discuss the format of your responses.</p> <p>Question 3</p> <p>Please provide a GIS file that details the risk scores at the same granularity that is currently used to inform wildfire mitigation measures (as discussed in questions 1(b) and 2(b)). This file should contain the following:</p> <p>a) Current features detailing the most granular level available for each risk score. This may be polygons that depict "pixels." These pixels should represent polygons that represent the most granular level available for the risk score. If multiple risk scores share geometry (e.g., multiple risk scores that are used to inform mitigation measures at the circuit segment level), there is no need to include multiple layers that depict the same physical geometry.</p> <p>b) For each geometric feature, include the circuit identification number in an attribute.</p> <p>c) For each geometric feature, include the circuit segment name in an attribute.</p> <p>d) For each geometric feature, include the circuit segment name in an attribute.</p> <p>e) For each geometric feature, include the circuit segment name in an attribute.</p> <p>f) For each geometric feature, include the circuit segment name in an attribute.</p> <p>Question 4</p> <p>Please provide a GIS file that details the risk scores at the same granularity that is currently used to inform wildfire mitigation measures (as discussed in questions 1(b) and 2(b)). This file should contain the following:</p> <p>a) Current features detailing the most granular level available for each risk score. This may be polygons that depict "pixels." These pixels should represent polygons that represent the most granular level available for the risk score. If multiple risk scores share geometry (e.g., multiple risk scores that are used to inform mitigation measures at the circuit segment level), there is no need to include multiple layers that depict the same physical geometry.</p> <p>b) For each geometric feature, include the circuit identification number in an attribute.</p> <p>c) For each geometric feature, include the circuit segment name in an attribute.</p> <p>d) For each geometric feature, include the circuit segment name in an attribute.</p> <p>e) For each geometric feature, include the circuit segment name in an attribute.</p> <p>f) For each geometric feature, include the circuit segment name in an attribute.</p>	Holy Wellman	4/5/2024	4/29/2024	4/29/2024	<a href="https://www.pge.com/press/2024/04/29/04292024-ca-pa-wdrmv4-risk-scores/">https://www.pge.com/press/2024/04/29/04292024-ca-pa-wdrmv4-risk-scores/</a>	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models			
518	CaPA	Set WMP-41	CaPA_Set WMP-41-05	5	CaPA_Set WMP-41-05	<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, but that PG&amp;E believes substantially contains the information requested in questions 3 and 4, please contact the engineers to discuss the format of your responses.</p> <p>Question 3</p> <p>Please provide a spreadsheet that lists (a) (two) each circuit segment that is included in the Wildfire Distribution Risk Model v4. This spreadsheet should include, at a minimum, the following columns:</p> <p>a) Name or ID number of each circuit segment.</p> <p>b) Circuit name for the circuit that each segment is part of.</p> <p>c) Normal voltage.</p> <p>d) The average risk (as defined in PG&amp;E's wildfire risk model) for each segment as applicable, e.g., for post-based sub-models.</p> <p>e) The point count of the circuit segment (as applicable, e.g., for post-based sub-models).</p> <p>f) The asset count of the circuit segment (as applicable, e.g., for post-based sub-models).</p> <p>g) The risk per mile for the circuit segment (as applicable).</p> <p>h) Total overhead circuit-miles on the circuit segment.</p> <p>i) Total overhead PFID circuit-miles on the circuit segment.</p> <p>j) Total 2' underground circuit-miles on the circuit segment.</p> <p>k) Total overhead 2' underground circuit-miles on the circuit segment.</p> <p>l) Total underground 2' underground circuit-miles on the circuit segment.</p> <p>m) Total 2' underground circuit-miles on the circuit segment.</p> <p>n) Total 2' underground circuit-miles on the circuit segment.</p> <p>o) Total 2' underground circuit-miles on the circuit segment.</p> <p>p) 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 responses. (We require multiple columns.)</p> <p>q) 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 responses. (We require multiple columns.)</p> <p>Question 4</p> <p>Please provide a spreadsheet that lists (a) (two) each circuit segment that is included in the Wildfire Distribution Risk Model v4. This spreadsheet should include, at a minimum, the following columns:</p> <p>a) Name or ID number of each circuit segment.</p> <p>b) Circuit name for the circuit that each segment is part of.</p> <p>c) Normal voltage.</p> <p>d) The average risk (as defined in PG&amp;E's wildfire risk model) for each segment as applicable, e.g., for post-based sub-models.</p> <p>e) The point count of the circuit segment (as applicable, e.g., for post-based sub-models).</p> <p>f) The asset count of the circuit segment (as applicable, e.g., for post-based sub-models).</p> <p>g) The risk per mile for the circuit segment (as applicable).</p> <p>h) Total overhead circuit-miles on the circuit segment.</p> <p>i) Total overhead PFID circuit-miles on the circuit segment.</p> <p>j) Total 2' underground circuit-miles on the circuit segment.</p> <p>k) Total overhead 2' underground circuit-miles on the circuit segment.</p> <p>l) Total underground 2' underground circuit-miles on the circuit segment.</p> <p>m) Total underground circuit-miles on the circuit segment.</p> <p>n) Total 2' underground circuit-miles on the circuit segment.</p> <p>o) Total 2' underground circuit-miles on the circuit segment.</p> <p>p) 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 responses. (We require multiple columns.)</p> <p>q) 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 responses. (We require multiple columns.)</p>	Holy Wellman	4/5/2024	4/11/2024	4/11/2024	<a href="https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/">https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/</a>	1	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models			
519	CaPA	Set WMP-41	CaPA_Set WMP-41-06	6	CaPA_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 the Wildfire Consequence Model, version 4. This file should contain the following:</p> <p>a) Current features detailing the most granular level available for consequence in the CA Advocates' understanding that the consequence model uses "pixels."</p> <p>b) For each geometric feature, please include all relevant consequence values (if there are multiple) as attributes.</p> <p>Question 3</p> <p>Please provide a GIS file that details the most granular level available for the Wildfire Consequence Model version used in the WDRM v4. This file should contain the following:</p> <p>a) Current features detailing the most granular level available for consequence in the CA Advocates' understanding that the consequence model uses "pixels."</p> <p>b) For each geometric feature, please include all relevant consequence values (if there are multiple) as attributes.</p>	Holy Wellman	4/5/2024	4/29/2024	4/29/2024	<a href="https://www.pge.com/press/2024/04/29/04292024-ca-pa-wdrmv4-risk-scores/">https://www.pge.com/press/2024/04/29/04292024-ca-pa-wdrmv4-risk-scores/</a>	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models			
520	CaPA	Set WMP-41	CaPA_Set WMP-41-07	7	CaPA_Set WMP-41-07	<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 the Wildfire Consequence Model, version 4. This file should contain the following:</p> <p>a) Current features detailing the most granular level available for consequence in the CA Advocates' understanding that the consequence model uses "pixels."</p> <p>b) For each geometric feature, please include all relevant consequence values (if there are multiple) as attributes.</p> <p>Question 3</p> <p>Please provide a GIS file that details the most granular level available for the Wildfire Consequence Model version used in the WDRM v4. This file should contain the following:</p> <p>a) Current features detailing the most granular level available for consequence in the CA Advocates' understanding that the consequence model uses "pixels."</p> <p>b) For each geometric feature, please include all relevant consequence values (if there are multiple) as attributes.</p>	Holy Wellman	4/5/2024	4/29/2024	4/29/2024	<a href="https://www.pge.com/press/2024/04/29/04292024-ca-pa-wdrmv4-risk-scores/">https://www.pge.com/press/2024/04/29/04292024-ca-pa-wdrmv4-risk-scores/</a>	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models			
521	CaPA	Set WMP-41	CaPA_Set WMP-41-08	8	CaPA_Set WMP-41-08	<p>a) Has ES or another entity completed an independent review of the WDRM v4?</p> <p>b) If the answer to part (a) is yes, please provide a copy of any reports and outputs from the independent review.</p> <p>c) If the answer to part (a) is no, when does PG&amp;E expect the review to be completed (to the best of your knowledge)?</p>	Holy Wellman	4/5/2024	4/11/2024	4/11/2024	<a href="https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/">https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/</a>	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models			
522	CaPA	Set WMP-41	CaPA_Set WMP-41-09	9	CaPA_Set WMP-41-09	<p>a) Has PG&amp;E created a detailed overview document that details the WDRM v4, similar to the 2021 Wildfire Distribution Risk Model Overview? Has PG&amp;E identified a review of the public version that can occur on October 5 and 6, 2024?</p> <p>b) If the answer to part (a) is yes, please provide a copy of the document.</p> <p>c) If the answer to part (a) is no, does PG&amp;E plan to create such a document?</p> <p>d) If the answer to part (c) is no, please explain why not.</p> <p>e) If the answer to part (c) is yes, when does PG&amp;E expect the document to be completed?</p>	Holy Wellman	4/5/2024	4/11/2024	4/11/2024	<a href="https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/">https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/</a>	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models			
523	MDRA	Data Request No. 9	MDRA_Data Request No. 9_01	1	MDRA_Data Request No. 9_01	<p>Task PG&amp;E is to develop a Wildfire Mitigation Performance (WMP) Model. The model will be used to assess the impact of various wildfire mitigation measures on the system. The model will be used to assess the impact of various wildfire mitigation measures on the system. The model will be used to assess the impact of various wildfire mitigation measures on the system.</p>	Joseph Michael	4/30/2024	4/11/2024	4/11/2024	<a href="https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/">https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-25 Fire Potential Index (PFI) and Ignition Probability Weather (IPW) Enhancements			
524	MDRA	Data Request No. 9	MDRA_Data Request No. 9_02	2	MDRA_Data Request No. 9_02	<p>Please provide information on the introduction of an "assessment of dry and conditions for predicting areas of high consequence."</p>	Joseph Michael	4/30/2024	4/11/2024	4/11/2024	<a href="https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/">https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-25 Fire Potential Index (PFI) and Ignition Probability Weather (IPW) Enhancements			
525	MDRA	Data Request No. 9	MDRA_Data Request No. 9_03	3	MDRA_Data Request No. 9_03	<p>Will the "dry" wildfire consequence assessment also couple to other weather days also characterized by high winds?</p>	Joseph Michael	4/30/2024	4/11/2024	4/11/2024	<a href="https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/">https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-25 Fire Potential Index (PFI) and Ignition Probability Weather (IPW) Enhancements			
526	MDRA	Data Request No. 9	MDRA_Data Request No. 9_04	4	MDRA_Data Request No. 9_04	<p>Will the "dry" weather days be associated with a probability driver also correlated with "dry wind" weather days and flows?</p>	Joseph Michael	4/30/2024	4/11/2024	4/11/2024	<a href="https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/">https://www.pge.com/press/2024/04/11/04112024-ca-pa-wdrmv4-risk-scores/</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-25 Fire Potential Index (PFI) and Ignition Probability Weather (IPW) Enhancements			



541	CaPA	Set WMP-42	CaPA_Set WMP-42	3	CaPA_Set WMP-42_03	<p>Page 7 of PG&amp;E's 2025 WMP Update states, with regard to PG&amp;E's distribution event probability models, the following efforts were made to improve asset, ignition, and outage data quality:</p> <ul style="list-style-type: none"> <li>1) List and explain the significant efforts discussed above.</li> </ul>	<p>Holy Wellman</p> <p>4/9/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p><a href="https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2003.pdf">https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2003.pdf</a></p>	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
542	CaPA	Set WMP-42	CaPA_Set WMP-42	4	CaPA_Set WMP-42_04	<p>Table PG&amp;E-B-1.1.1 on page 8 of PG&amp;E's 2025 WMP Update indicates that WORM of include wind direction in its vegetation models.</p> <ul style="list-style-type: none"> <li>a) Describe how wind direction is incorporated in the vegetation models in WORM v4.</li> <li>b) List the data sources that PG&amp;E uses to incorporate wind direction into its risk model.</li> <li>c) Describe the benefits of incorporating wind direction into the risk model.</li> </ul>	<p>Holy Wellman</p> <p>4/9/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p><a href="https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2004.pdf">https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2004.pdf</a></p>	0	NA	6.2.1	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
543	CaPA	Set WMP-42	CaPA_Set WMP-42	5	CaPA_Set WMP-42_05	<p>Page 16 of PG&amp;E's 2025 WMP Update states, "In the WORM system, we conducted this overly conservative approach by applying a remaining strength of 52% (equivalent to Condition Code 2) to reinforced poles, in order to provide more accurate results."</p> <p>State the basis for applying a remaining strength of 52% to reinforced poles.</p>	<p>Holy Wellman</p> <p>4/9/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p><a href="https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2005.pdf">https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2005.pdf</a></p>	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
544	CaPA	Set WMP-42	CaPA_Set WMP-42	6	CaPA_Set WMP-42_06	<p>Page 17 of PG&amp;E's 2025 WMP Update states, "When viewed on a line weighted basis, the relative average risk of each transmission line can be viewed for heights. It should be noted that these risk weighted values will tend to be higher than values based on length."</p> <ul style="list-style-type: none"> <li>a) Does PG&amp;E plan to correct for this so that risk weighted values tend to highlight short lines?</li> <li>b) If the answer to part (a) is no, explain the metrics PG&amp;E plans to use.</li> <li>c) If the answer to part (a) is no, explain why not.</li> </ul>	<p>Holy Wellman</p> <p>4/9/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p><a href="https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2006.pdf">https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2006.pdf</a></p>	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
545	CaPA	Set WMP-42	CaPA_Set WMP-42	7	CaPA_Set WMP-42_07	<p>Page 24 of PG&amp;E's 2025 WMP Update states that PG&amp;E is adjusting target PS-3 (Reduce PS-3 impacts to Customers) in 2025 downward by 40% to account for a 40% decrease in underground cables.</p> <p>Does PG&amp;E expect a similar reduction in the number of EPSS customer events mitigated in 2025? Explain your answer.</p>	<p>Holy Wellman</p> <p>4/9/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p><a href="https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2007.pdf">https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2007.pdf</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-14 Effectiveness Analysis for EPSS Modeling Implementation of DCD
546	CaPA	Set WMP-42	CaPA_Set WMP-42	8	CaPA_Set WMP-42_08	<p>Page 29 of PG&amp;E's 2025 WMP Update states that PG&amp;E's 2025 forecast capital expenditure associated with the transmission line is \$1.2 billion. The updated T&amp;E PG&amp;E-1.2.1 on page 42 of PG&amp;E's 2025 WMP PS-3 update indicates that, in 2025, the mileage associated with covered conductor installation will increase by a factor of 4, from 50 miles to 200 miles. Please explain why PG&amp;E's capital forecast for 2025 will increase by a factor of 8 while the mileage will increase by a factor of 4.</p>	<p>Holy Wellman</p> <p>4/9/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p><a href="https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2008.pdf">https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2008.pdf</a></p>	0	NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures
547	CaPA	Set WMP-42	CaPA_Set WMP-42	9	CaPA_Set WMP-42_09	<p>In comparison to PG&amp;E's WORM v3, does WORM v4:</p> <ul style="list-style-type: none"> <li>a) At least 10 percent or more of ignition into or out of the top ignition risk circuits, segments, or spans? If yes, please provide the data in the format of Table 1.1 in section 1.1.1 of the 2025 Wildlife Mitigation Plan Update Guidelines for both WORM v3 and v4.</li> <li>b) More 10 percent or more of EPSS risk into or out of the top PS-3 risk circuits, segments, or spans? If yes, please provide the data in the format of Table 1.2 in section 1.1.2 of the 2025 Wildlife Mitigation Plan Update Guidelines for both WORM v3 and v4.</li> </ul>	<p>Holy Wellman</p> <p>4/9/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p><a href="https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2009.pdf">https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2009.pdf</a></p>	1	NA	6.2.1	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
548	CaPA	Set WMP-43	CaPA_Set WMP-43	1	CaPA_Set WMP-43_01	<p>Does it not appear to be an option of covered conductor with both EPSS and DCD?</p> <ul style="list-style-type: none"> <li>a) Did PG&amp;E consider an alternative that consisted of covered conductor with EPSS and DCD?</li> <li>b) If the answer to part (a) is yes, why is this option not included as one of the possible alternatives in the WBCA?</li> <li>c) If the answer to part (a) is no, why not?</li> </ul>	<p>Holy Wellman</p> <p>4/12/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p><a href="https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2001.pdf">https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2001.pdf</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Old Hetering Decision Making
549	CaPA	Set WMP-43	CaPA_Set WMP-43	2	CaPA_Set WMP-43_02	<p>The identified average effectiveness for alternative 3 (REFCL with covered conductor, EPSS, and DCD) is lower than the effectiveness for alternative 4 (covered conductor with EPSS).</p> <ul style="list-style-type: none"> <li>a) Why does the effectiveness for alternative 3 appear lower than alternative 4, although alternative 3 appears to have more mitigation techniques?</li> </ul>	<p>Holy Wellman</p> <p>4/12/2024</p> <p>4/12/2024</p> <p>4/12/2024</p> <p><a href="https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2002.pdf">https://www.pge.com/Portals/0/Utilities/Utilities/2025%20WMP%20Update/2025%20WMP%20Update%20-%20Appendix%20-%20CA%20-%20Appendix%20-%2002.pdf</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Old Hetering Decision Making

550	CaPA	Set WMP-43	CaPA_Set WMP-43	3	CaPA_Set WMP-43_03	Let the assumptions unique to each of the test alternatives.	<ul style="list-style-type: none"> <li>The assumptions for each of the 10 alternatives are as follows: <ul style="list-style-type: none"> <li>Alt 1 - Baseline</li> <li>Alt 2 - Underground Primary</li> <li>Alt 3 - Underground All</li> <li>Alt 4 - Covered Conductor (CC) Overhead with EPSS and DCC</li> <li>Alt 5 - Bare Conductor (BC) Overhead with EPSS and DCC</li> <li>Alt 6 - Low Return with Remote Grid</li> </ul> </li> </ul>	Holy Wellman	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf">https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Grid Hardening Decision Making
551	CaPA	Set WMP-43	CaPA_Set WMP-43	4	CaPA_Set WMP-43_04	The table notes "All of these effectiveness values represent a blended average effectiveness at the circuit segment level with the exception of 'Alt 3 - REFLC, CC Overhead, EPSS and DCC which is a substation effectiveness score. For all substations are capable of having REFLC applied, and it cannot be isolated to a circuit segment only."	<ul style="list-style-type: none"> <li>1) Substation effectiveness scores must be based on a typical preliminary review of requirements for REFLC, must be met to pass. The preliminary screening requirements are: <ul style="list-style-type: none"> <li>1) Single voltage 3.3 kV 12 kV substation.</li> <li>2) Minimum of 200 kV miles in FTD.</li> <li>3) No auto-transformer located inside the substation.</li> <li>4) The total charging current not exceeding 157 Amps for each Distribution Transformer Bank in a substation, and</li> <li>5) and then 37% of the total transformer load measurements outside of the substation.</li> </ul> </li> </ul>	Holy Wellman	4/12/2024	4/26/2024	4/17/2024	<a href="https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf">https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Grid Hardening Decision Making
552	CaPA	Set WMP-43	CaPA_Set WMP-43	5	CaPA_Set WMP-43_05	Alternative 8 is the only alternative that appears to include PSPS.	<ul style="list-style-type: none"> <li>Alt 8: PSPS is not considered in any of the other alternatives?</li> <li>Alt 9: PSPS effectiveness is higher than similar alternatives that appear to include more mitigation techniques?</li> <li>Alt 10: PSPS effectiveness is no, why not?</li> </ul>	Holy Wellman	4/12/2024	4/26/2024	4/17/2024	<a href="https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf">https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Grid Hardening Decision Making
553	CaPA	Set WMP-43	CaPA_Set WMP-43	6	CaPA_Set WMP-43_06	The table notes, "Not all substations are capable of having REFLC applied, and it cannot be isolated to a circuit segment only."	<ul style="list-style-type: none"> <li>Alt 1: After preliminary screening, 302 of these distribution substations are not feasible for REFLC application.</li> <li>Alt 2: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx which includes a list of substations within an FTDFR area.</li> <li>Alt 3: Columns A, Column B (Phase) all aspects of the substation meet Phase or does not meet all the requirements where REFLC can or cannot be applied.</li> <li>Alt 4: Substations that are categorized as not feasible (Alt 1) in the analysis are due to one or a combination of the following reasons below: <ul style="list-style-type: none"> <li>Column D (W of 4 or 6 miles) - Substation has no FTDFR.</li> <li>Column E (W of 4 or 6 miles) - Substation has no FTDFR.</li> <li>Column F (Field Aids Analysis) - Circuit mileage downstream of substations is greater than being present, and</li> <li>Column G (Total Charge Amps) - The total charging current exceeds 157 Amps, for each Distribution Substation based on the number of transformers per substation listed in Column H. The Total Charge Amps are calculated as an alternative way to measure the proportion of a circuit underground (less than 50% of circuit is underground).</li> </ul> </li> </ul>	Holy Wellman	4/12/2024	4/26/2024	4/17/2024	<a href="https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf">https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Grid Hardening Decision Making
554	CaPA	Set WMP-43	CaPA_Set WMP-43	7	CaPA_Set WMP-43_07	The table lists the assumption, "Mitigation effectiveness for other Environmental caused outages. None for Overhead and All for Underground."	<ul style="list-style-type: none"> <li>Alt 1: The referenced table should not have reflected "None for Overhead and All for Underground" for mitigation effectiveness for other environmental caused outages. Some outage combinations did have a savings assigned in the final study, these were mostly related to overhead hardware avoided mitigation. The environmental/biotic benefit was assigned to an outage during a significant weather or environmental event. Overhead construction would still be susceptible to earthquakes, erosion, lightning and ice events.</li> <li>Alt 2: The referenced table should not have reflected "None for Overhead and All for Underground" for mitigation effectiveness for other environmental caused outages.</li> </ul>	Holy Wellman	4/12/2024	4/26/2024	4/17/2024	<a href="https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf">https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Grid Hardening Decision Making
555	CaPA	Set WMP-43	CaPA_Set WMP-43	8	CaPA_Set WMP-43_08	The table lists the assumption, "Analysis assumes no Overhead degradation for 96% of the asset."	<ul style="list-style-type: none"> <li>Alt 1: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 2: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 3: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 4: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 5: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 6: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 7: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 8: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 9: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 10: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> </ul>	Holy Wellman	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf">https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Grid Hardening Decision Making
556	CaPA	Set WMP-43	CaPA_Set WMP-43	9	CaPA_Set WMP-43_09	The table lists the assumption, "EPSS and DCC are only active when conditions are greater than R1."	<ul style="list-style-type: none"> <li>Alt 1: EPSS and DCC settings are not engaged in the system when the PFI rating is R1.</li> <li>Alt 2: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 3: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 4: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 5: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 6: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 7: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 8: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 9: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 10: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> </ul>	Holy Wellman	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf">https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Grid Hardening Decision Making
557	CaPA	Set WMP-43	CaPA_Set WMP-43	10	CaPA_Set WMP-43_10	Page 66 of PG&E's 2025 WMP Update notes, "The Joint Utilities have met monthly in 2023 to discuss the results of recorded and estimated effectiveness for covered conductor."	<ul style="list-style-type: none"> <li>Alt 1: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 2: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 3: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 4: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 5: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 6: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 7: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 8: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 9: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 10: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> </ul>	Holy Wellman	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf">https://www.pge.com/Portals/0/Reports/2024/04/17/2024-04-17-Substation%20Assessment%20-%20Final.pdf</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-08 - Continuation of Grid Hardening Joint Studies
558	CaPA	Set WMP-43	CaPA_Set WMP-43	1090	CaPA_Set WMP-43_1090	Cal Advocates requested results of meetings held in 2023 regarding the effectiveness for covered conductor.	<ul style="list-style-type: none"> <li>Alt 1: Cal Advocates requested results of meetings held in 2023 regarding the effectiveness for covered conductor. PG&amp;E's response appears to be identical to the Joint IOU CC report from its 2023-2025 Base WMP (2023-04-27_POE_2023_WMP_R0_Appends D-ACI PG&amp;E-23-11_Ascop.pdf, provided to OESB March 2023), and does not include results of meetings held in 2023.</li> <li>Alt 2: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 3: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 4: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 5: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 6: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 7: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 8: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 9: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> <li>Alt 10: Please see attachment WMP-Discovery2023-0205_DR_CaPAAdvocates_043-20240407.docx for the results of the analysis.</li> </ul>	Holy Wellman	4/12/2024	4/24/2024	4/24/2024	<a href="https://www.pge.com/Portals/0/Reports/2024/04/24/2024-04-24-Substation%20Assessment%20-%20Final.pdf">https://www.pge.com/Portals/0/Reports/2024/04/24/2024-04-24-Substation%20Assessment%20-%20Final.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-08 - Continuation of Grid Hardening Joint Studies



558	CaPA	Set WMP-43	CaPA_Sel WMP-43	11	CaPA_Sel WMP-43_011	<p>Pages 66-67 of PG&amp;E's 2025 WMP Update list three workshops the Joint Utilities held with Energy Safety June 2023 Distribution Fault Mitigation, July 2023 Early Fault Detection, August 2023 REFCU.</p> <p>Provide a copy of any materials prepared for PG&amp;E for each of the three workshops.</p> <p>Provide a copy of any reports, minutes, recordings, or other deliverables of the three workshops.</p> <p>List any findings from each of the three workshops.</p> <p>If you have action items PG&amp;E took on from each of the three workshops.</p>	<p>1) PG&amp;E see the table below for presentation materials for the workshops identified (Workshop Date &amp; Title attachment Name)</p> <p>June 2023 Distribution Fault Mitigation (DFA) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0001.pdf WMP-Overview2023-2025_DR_CaPACalabas043-0211A0002.pdf July 2023 Early Fault Detection (EFD) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0003.pdf August 2023 REFCU Earth Fault Current Limiter (REFCL) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0004.pdf</p> <p>2) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p> <p>3) The findings from the workshops are as follows:</p> <ol style="list-style-type: none"> <li>1) For the June 2023 DFA workshop, SCE and SOCAL are finding similar successes using the technology as PG&amp;E. SOCAL is using a different system however, and we are very proud to understand their efforts.</li> <li>2) For the July 2023 EFD workshop, SCE is finding similar successes using the technology as PG&amp;E and is very using this technology on transmission lines.</li> <li>3) For the August 2023 REFCU workshop, we did not have any specific deliverables to date.</li> </ol> <p>4) PG&amp;E is action item from these workshops is to continue the discussion and collaboration about uses of EFD and DFA, and expansion on WMP commitments on these technologies. We are also evaluating the usage of REFCU to determine the appropriate <a href="#">EPIC 2.34 report</a> and the appropriate <a href="#">EPIC 2.34 report</a>.</p>	Holy Wellman	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0001.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0001.pdf</a> <a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0002.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0002.pdf</a> <a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0003.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0003.pdf</a>	4	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-08 - Continuation of Grid Hardening Joint Studies
558	CaPA	Set WMP-43	CaPA_Sel WMP-43	1100	CaPA_Sel WMP-43_0116a	<p>In response to part (b), PG&amp;E stated, "No reports, minutes, recordings were taken or prepared at the referenced workshop". However, Slide 8 of attachment 2 state "meeting minutes" under "next steps".</p> <p>Provide any materials prepared for PG&amp;E for each of the Joint Utilities.</p> <p>Provide a copy of any reports, minutes, recordings, or other deliverables of the three workshops.</p> <p>If you have action items PG&amp;E took on from each of the three workshops.</p>	<p>1) PG&amp;E see the table below for presentation materials for the workshops identified (Workshop Date &amp; Title Attachment Name)</p> <p>June 2023 Distribution Fault Mitigation (DFA) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0001.pdf WMP-Overview2023-2025_DR_CaPACalabas043-0211A0002.pdf July 2023 Early Fault Detection (EFD) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0003.pdf August 2023 REFCU Earth Fault Current Limiter (REFCL) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0004.pdf</p> <p>2) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p> <p>3) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p> <p>4) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p>	Holy Wellman	4/19/2024	4/24/2024	4/24/2024	<a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0001.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0001.pdf</a> <a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0002.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0002.pdf</a> <a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0003.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0003.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-08 - Continuation of Grid Hardening Joint Studies
559	CaPA	Set WMP-43	CaPA_Sel WMP-43	12	CaPA_Sel WMP-43_012	<p>Page 67 of PG&amp;E's 2025 WMP Update states, "In 2022, the utilities discussed the unit costs of CC and underpinning, and completed, at a high level, the different cost drivers for each of the Joint Utilities.</p> <p>Provide the unit costs of covered conductor that were discussed in 2022 for each of the Joint Utilities.</p> <p>Provide the unit costs of underpinning that were discussed in 2022 for each of the Joint Utilities.</p> <p>Describe the cost drivers that were discussed in 2022 for each of the Joint Utilities.</p> <p>List any other findings from the monthly meetings in 2022 noted above.</p>	<p>1) PG&amp;E see the table below for presentation materials for the workshops identified (Workshop Date &amp; Title Attachment Name)</p> <p>June 2023 Distribution Fault Mitigation (DFA) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0001.pdf WMP-Overview2023-2025_DR_CaPACalabas043-0211A0002.pdf July 2023 Early Fault Detection (EFD) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0003.pdf August 2023 REFCU Earth Fault Current Limiter (REFCL) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0004.pdf</p> <p>2) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p> <p>3) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p> <p>4) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p>	Holy Wellman	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0001.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0001.pdf</a> <a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0002.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0002.pdf</a> <a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0003.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0003.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-08 - Continuation of Grid Hardening Joint Studies
559	CaPA	Set WMP-43	CaPA_Sel WMP-43	1200	CaPA_Sel WMP-43_0120a	<p>Cal Abcoities requested results of meetings held in 2022 regarding the unit costs and cost drivers of covered conductor and underpinning. PG&amp;E's response refers to the attachment in Question 13 which, as noted above, does not discuss results from 2022 meetings.</p> <p>Provide any materials prepared for PG&amp;E for each of the Joint Utilities.</p> <p>Provide a copy of any reports, minutes, recordings, or other deliverables of the three workshops.</p> <p>If you have action items PG&amp;E took on from each of the three workshops.</p>	<p>1) PG&amp;E see the table below for presentation materials for the workshops identified (Workshop Date &amp; Title Attachment Name)</p> <p>June 2023 Distribution Fault Mitigation (DFA) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0001.pdf WMP-Overview2023-2025_DR_CaPACalabas043-0211A0002.pdf July 2023 Early Fault Detection (EFD) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0003.pdf August 2023 REFCU Earth Fault Current Limiter (REFCL) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0004.pdf</p> <p>2) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p> <p>3) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p> <p>4) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p>	Holy Wellman	4/19/2024	4/24/2024	4/24/2024	<a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0001.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0001.pdf</a> <a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0002.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0002.pdf</a> <a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0003.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0003.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-08 - Continuation of Grid Hardening Joint Studies
560	CaPA	Set WMP-43	CaPA_Sel WMP-43	13	CaPA_Sel WMP-43_013	<p>Pages 68 of PG&amp;E's 2025 WMP Update states, with regard to the REFCU pilot at the Calatoga substation, "Although we are committed to continuing this demonstration project, several factors have caused delays in commissioning this program, including equipment failure, extended lead time of equipment, and the need to procure additional equipment to further stabilize the system."</p> <p>List and describe each equipment failure that occurred during 2021, 2022, or 2023 and delayed the commissioning of the program.</p> <p>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>If other than PG&amp;E currently anticipates receiving additional results from the REFCU pilot at the Calatoga substation, list the equipment number of each device or affect EFD currently active.</p> <p>Describe PG&amp;E's plans to make in 2024 to accelerate the REFCU pilot at the Calatoga substation. (List each of the efforts PG&amp;E plans to make in 2024 to accelerate the REFCU pilot at the Calatoga substation.)</p> <p>List each of the efforts PG&amp;E plans to make in 2025 to accelerate the REFCU pilot at the Calatoga substation.</p>	<p>1) PG&amp;E see the table below for presentation materials for the workshops identified (Workshop Date &amp; Title Attachment Name)</p> <p>June 2023 Distribution Fault Mitigation (DFA) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0001.pdf WMP-Overview2023-2025_DR_CaPACalabas043-0211A0002.pdf July 2023 Early Fault Detection (EFD) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0003.pdf August 2023 REFCU Earth Fault Current Limiter (REFCL) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0004.pdf</p> <p>2) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p> <p>3) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p> <p>4) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p>	Holy Wellman	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0001.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0001.pdf</a> <a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0002.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0002.pdf</a> <a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0003.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0003.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-07 - Deployment of New Technologies
561	CaPA	Set WMP-43	CaPA_Sel WMP-43	14	CaPA_Sel WMP-43_014	<p>Pages 69 of PG&amp;E's 2025 WMP Update states, "As of December 2023, PG&amp;E moved beyond pilot and into implementation of these technologies, having deployed EFD technology on 103 locations over 6 distribution circuits and DFA technology at 79 substations."</p> <p>List the approximate number of circuits on which EFD is currently active.</p> <p>List the approximate number of substations on which DFA is currently active.</p> <p>Describe PG&amp;E's standards and criteria for determining when to install DFA technology.</p> <p>Describe the results of the pilot program mentioned in the quote above, which proposed PG&amp;E to move the production and deployment of these technologies in December 2023.</p> <p>Provide any reports, analyses, or other documentation of the results of the pilot program.</p>	<p>1) PG&amp;E see the table below for presentation materials for the workshops identified (Workshop Date &amp; Title Attachment Name)</p> <p>June 2023 Distribution Fault Mitigation (DFA) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0001.pdf WMP-Overview2023-2025_DR_CaPACalabas043-0211A0002.pdf July 2023 Early Fault Detection (EFD) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0003.pdf August 2023 REFCU Earth Fault Current Limiter (REFCL) WMP-Overview2023-2025_DR_CaPACalabas043-0211A0004.pdf</p> <p>2) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p> <p>3) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p> <p>4) PG&amp;E will provide any materials prepared at the referenced workshops. Please see the response to subpart (a) for the presentation materials for the workshops.</p>	Holy Wellman	4/12/2024	4/17/2024	4/17/2024	<a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0001.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0001.pdf</a> <a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0002.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0002.pdf</a> <a href="https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0003.pdf">https://www.pge.com/PDF/Design/Catalogs/Catalog-CaPACalabas043-0211A0003.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-07 - Deployment of New Technologies



572	CAIPA	Set WMP-44	CAIPA_Sat WMP-44	2	CAIPA_Sat WMP-44-02	<p>Page 54 of PG&amp;E's 2025 WMP Update states: "To determine circuit segment-level mitigation effectiveness, the WBCA will adjust for the outage combinations likely to occur on a given circuit segment, their estimated frequency, and their contribution to overall risk on the circuit segment."</p> <p>a) Please describe the methods used in the WBCA to adjust for the outage combinations likely to occur on a given circuit segment.</p> <p>b) Please describe the methods used in the WBCA to adjust for the estimated frequency of outage combinations as a function of circuit segment.</p> <p>c) Please describe the methods used in the WBCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.</p>	<p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating O&M Metering Decision Matrix
573	CAIPA	Set WMP-44	CAIPA_Sat WMP-44	3	CAIPA_Sat WMP-44-03	<p>Page 54 of PG&amp;E's 2025 WMP Update states: "To determine circuit segment-level mitigation effectiveness, the WBCA will adjust for the outage combinations likely to occur on a given circuit segment, their estimated frequency, and their contribution to overall risk on the circuit segment."</p> <p>a) Please describe the methods used in the WBCA to adjust for the estimated frequency of outage combinations as a function of circuit segment.</p> <p>b) Please describe the methods used in the WBCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.</p>	<p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating O&M Metering Decision Matrix
574	CAIPA	Set WMP-44	CAIPA_Sat WMP-44	4	CAIPA_Sat WMP-44-04	<p>Page 16 of PG&amp;E's 2025 WMP Update discusses Underwriting versus Overhead Metering. Underwriting is defined as being greater total parameter risk reduction, but it takes longer and costs more to install.</p> <p>a) Has PG&amp;E conducted an analysis of transmission and distribution system to determine the estimated remaining useful life of its assets?</p> <p>b) If the answer to part (a) is yes, does PG&amp;E consider the remaining life of assets when evaluating benefits of underwriting, which is faster to deploy?</p> <p>c) If the answer to part (a) is no, please provide any applicable analysis relevant to the condition of PG&amp;E's transmission and distribution system assets.</p>	<p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating O&M Metering Decision Matrix
575	CAIPA	Set WMP-44	CAIPA_Sat WMP-44	5	CAIPA_Sat WMP-44-05	<p>Page 27 of PG&amp;E's 2025 WMP Update states: "Regarding cost effectiveness scores, the underlying projects of PG&amp;E's current program were previously analyzed using a methodology (WDRM V2) that did not incorporate cost effectiveness scores for individual projects. Therefore, cost effectiveness scores are not available."</p> <p>a) Define the term "underwriting project" in the above statement.</p> <p>b) Has PG&amp;E used the response from WDRM v1 to calculate the cost effectiveness scores for all projects in PG&amp;E's current underwriting project?</p> <p>c) If the answer to part (b) is no, explain why not.</p> <p>d) Does PG&amp;E plan to use the update from WDRM v1 to calculate the cost effectiveness scores for all the underwriting projects in PG&amp;E's current underwriting project?</p> <p>e) If the answer to part (d) is yes, when does PG&amp;E anticipate completing the analysis?</p> <p>f) If the answer to part (d) is no, explain why not.</p>	<p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating O&M Metering Decision Matrix
576	CAIPA	Set WMP-44	CAIPA_Sat WMP-44	6	CAIPA_Sat WMP-44-06	<p>Figure ACI-PG&amp;E-23-03-1 on page 40 of PG&amp;E's 2025 WMP Update states: "When considering the overall wildfire risk with EPSS and PPSF, this risk is &lt;math&gt;30.1&lt;/math&gt; million."</p> <p>a) Define the phrase "Distribution Overhead" in this context.</p> <p>b) Please state the significance of the "30.1 million" overall wildfire risk with EPSS and PPSF compared to "Distribution Overhead".</p>	<p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-02 - PPSF and Wildfire Risk Trade-Off Transparency
577	CAIPA	Set WMP-44	CAIPA_Sat WMP-44	7	CAIPA_Sat WMP-44-07	<p>Figure ACI-PG&amp;E-23-03-1 on page 40 of PG&amp;E's 2025 WMP Update indicates that wildfire risk is approximately \$20.688 million, and PPSF and EPSS combined reduce the wildfire risk by approximately \$16.353 million. At the \$20.688 million wildfire risk and the \$16.353 million risk reduction estimates annual volume?</p> <p>a) Do the \$20.688 million wildfire risk and the \$16.353 million risk reduction estimates apply to PG&amp;E's entire service territory? Please explain why not.</p>	<p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-02 - PPSF and Wildfire Risk Trade-Off Transparency
578	CAIPA	Set WMP-44	CAIPA_Sat WMP-44	8	CAIPA_Sat WMP-44-08	<p>Figure ACI-PG&amp;E-23-03-1 on page 40 of PG&amp;E's 2025 WMP Update indicates that wildfire risk is approximately \$20.688 million, and PPSF and EPSS combined reduce the wildfire risk by approximately \$16.353 million. At the \$20.688 million wildfire risk and the \$16.353 million risk reduction estimates annual volume?</p> <p>a) Please provide the estimate of the risk reduction in dollars attributed to selective deployment of REFLC.</p> <p>b) If the answer to part (a) is no, why has PG&amp;E not conducted that analysis?</p> <p>c) If the answer to part (a) is yes, please provide the incremental risk reduction attributed to REFLC? Please provide this estimate if yes.</p> <p>d) If the answer to part (a) is yes, why has PG&amp;E not conducted that analysis?</p> <p>e) Has PG&amp;E estimated the incremental lifetime expenditure attributed to selective deployment of REFLC? Please provide this estimate if yes.</p> <p>f) If the answer to part (e) is no, why has PG&amp;E not conducted that analysis?</p>	<p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-02 - PPSF and Wildfire Risk Trade-Off Transparency
579	CAIPA	Set WMP-44	CAIPA_Sat WMP-44	9	CAIPA_Sat WMP-44-09	<p>Page 89 of PG&amp;E's 2025 WMP Update states: "CDCI prioritizes the system on EPSS-related critical risk reduced by approximately 72% relative to the three-year historical average."</p> <p>a) Please provide copies of any reports, analyses, or other documentation to support PG&amp;E's statement stated above.</p> <p>b) Are EPSS couplers with OGD replacement deliverables in the EPSS update reports owned by PG&amp;E?</p> <p>c) If the answer to part (b) is yes, please state how such couplers are distinguishable.</p> <p>d) If the answer to part (b) is no, does PG&amp;E plan to make such couplers distinguishable in future EPSS update reports?</p>	<p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-14 - Effectiveness Analysis for EPSS Including Implementation of OGD
580	CAIPA	Set WMP-44	CAIPA_Sat WMP-44	10	CAIPA_Sat WMP-44-010	<p>The following table is from PG&amp;E's 2022 Annual Electric Reliability Report, page 12.</p> <p>a) Please provide an updated version of this table with an additional row for 2023.</p> <p>b) If PG&amp;E is unable to provide any of the requested data from part (a), please provide a reason for each data point.</p> <p>c) If PG&amp;E is unable to provide any of the requested data from part (a), please provide an estimate of when this data will be available.</p>	<p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p>	0	NA	NA	NA	NA
581	CAIPA	Set WMP-44	CAIPA_Sat WMP-44	11	CAIPA_Sat WMP-44-011	<p>Page 89 of PG&amp;E's 2025 WMP Update states: "The 2023 FTI (forced line inspection) program reduced overhead inspection practices and evaluated improvements to situational awareness to further inform air quality clearance recommendations. Based on results of the program, PG&amp;E is moving forward with increasing FTI coverage to 1,000 miles of work in 2024."</p> <p>a) Please describe the results of the program on which PG&amp;E is basing the decision to move forward with increasing 1,000 miles of work in 2024.</p> <p>b) Provide any available reports, analyses, or other documentation of the results of the program.</p>	<p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-19 - Continued Progression of Vegetation Management Maturity
582	CAIPA	Set WMP-44	CAIPA_Sat WMP-44	12	CAIPA_Sat WMP-44-012	<p>Table ACI-PG&amp;E-23-23-1 on page 112 of PG&amp;E's 2025 WMP Update includes the following entry:</p> <p>a) Explain why the last calibration date of the weather station was recorded as 9/1/2022, over three months after the station was terminated on September 17, 2022.</p> <p>b) Provide any records of the calibration on 9/1/2022.</p> <p>c) When did PG&amp;E become aware that the site had been removed?</p> <p>d) When does PG&amp;E plan to replace the destroyed site?</p>	<p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-23 - Weather Station Maintenance and Calibration
583	CAIPA	Set WMP-44	CAIPA_Sat WMP-44	13	CAIPA_Sat WMP-44-013	<p>Table ACI-PG&amp;E-23-23-1 on page 113 of PG&amp;E's 2025 WMP Update includes the following entry:</p> <p>a) Explain why the last calibration date of the weather station was recorded as 11/1/2022, over one month after the other data PG&amp;E becomes aware that the station had been removed?</p> <p>b) Provide any records of the calibration on 11/1/2022.</p> <p>c) When did PG&amp;E become aware that the site had been removed?</p> <p>d) When does PG&amp;E plan to replace the station?</p>	<p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p> <p>https://www.pge.com/~/media/Files/2025/WMP/2025-WMP-Update-04-2025.pdf</p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-23 - Weather Station Maintenance and Calibration





599	OEIS	016	OEIS_016	2	OEIS_016_Q2	<p>Q02: Regarding PG&amp;E's Quarterly Targets for Routine Patrol</p> <p>1) In PG&amp;E's 2023 WMP Update, PG&amp;E sets quarterly targets for Routine Patrol - Distribution (M-16) 2023 and 2024 targets are included for reference.</p> <p>PG&amp;E's Routine Patrol Targets by Year in Circuit/Mile</p> <p>Year: 2023</p> <p>End of Q1: 41,761</p> <p>End of Q2: 81,606</p> <p>End of Q3: 79,000</p> <p>End of Q4: 59,224</p> <p>2023: 58,988</p> <p>2024: 51,800</p> <p>2025: 50,800</p> <p>% 2023-2025: 18.7%</p> <p>19.3%</p> <p>While PG&amp;E's end of year target has remained relatively constant from 2023 to 2025, the end of Q2 and end of Q3 targets have decreased progressively.</p> <p>2) Why have PG&amp;E's end of Q2 and end of Q3 targets for routine patrol decreased year-over-year since 2023?</p> <p>3) What percentage of PG&amp;E's end of Q2 and end of Q3 2025 targets will be completed within the HF1D? If not, how does PG&amp;E ensure the HF1D and other high risk areas are inspected in a timely manner to mitigate wildfire risk before and during wildfire season?</p>	<p>A. The targets were reduced in Q2 and Q3 in subsequent years to provide the operations team with greater flexibility during the course of the year. PG&amp;E anticipated reductions due to the change in wildfire patterns, incorporating other planned vegetation program operations into the routine patrol where possible, and changes to other programs that would reduce our routine work. The weather and other external factors can also cause delays in the inspection schedule.</p> <p>B. Approximately 50% of Q2 and mileage is located in HF1D, and approximately 40% of the Q3 and mileage is located in HF1D.</p> <p>C. PG&amp;E has designed a program through the routine and second patrols to patrol the entire HF1D/RRA portions of the system twice a year. Once in the first half and once in the second half. On other units, once in the routine patrol and once in the second patrol.</p>	Bad Hill	4/22/2024	4/25/2024	4/25/2024	0	NA	11.4	Appendix D - Assess for Continued Improvement	11.4 ACI PG&E-23-09: Decrease in Inspected Distribution Resources
600	OEIS	016	OEIS_016	3	OEIS_016_Q3	<p>Q01: Regarding PG&amp;E's Adjustments to its WDRM</p> <p>1) In PG&amp;E's 2023 WMP Update, PG&amp;E discusses the changes made between its Wildfire Distribution Risk Model (WDRM) Version 3 (V3) to Version 4 (V4). Based on these changes, provide:</p> <p>A. An updated version of Table 6-4 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 7-2 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 6-5 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 7-1 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-22-016 Question 17 showing the difference in output between V2 and V3.</p>	<p>PG&amp;E released WDRM 4 for use in January of 2024 and is currently evaluating associated work plans in future years anticipated to be described in PG&amp;E's 2026 WMP. Much of the analysis for the tables and figures requested in parts (a) through (f) below are included in this work and are underway. As the analysis only recently started and is still ongoing, parts (a) through (f) will require more time and part (a) will not be available until later in 2024.</p> <p>Please let us know if you would like to meet and confer to discuss this request, the work that needs to be done to create the requested information, and why the information is not currently available.</p> <p>A. The information being requested is under development and anticipated to be available around May 8, 2024.</p> <p>B. The information being requested is under development and anticipated to be available around May 8, 2024.</p> <p>C. The information being requested is under development and anticipated to be available around May 8, 2024.</p> <p>D. The information being requested is under development and anticipated to be available around May 8, 2024.</p> <p>E. PG&amp;E will provide this information once it is available. However, we anticipate this response being more timely to complete as the WDRM 4 model was only recently released. We will provide this information once it is available.</p> <p>WDRM 4: SUPPLEMENT 1</p> <p>A. Please see worksheet "OEIS 016 Q01" in attachment "WMP-Discovery2023-2025_DR_OEIS_016-Q01Supp1.xlsx" for the requested information.</p> <p>B. Please see worksheet "OEIS 016 Q01" in attachment "WMP-Discovery2023-2025_DR_OEIS_016-Q01Supp1.xlsx" for the requested information.</p> <p>C. Please see worksheet "OEIS 016 Q01" in attachment "WMP-Discovery2023-2025_DR_OEIS_016-Q01Supp1.xlsx" for the requested information.</p> <p>D. PG&amp;E would like to amend the response submitted on April 25, 2024, to note that the requested information is unable to be provided by May 8, 2024. Once PG&amp;E identifies an alternate response, PG&amp;E will update this response with an amended response to provide the analysis. As the response to subpart E, PG&amp;E will provide this information once it is available. However, we anticipate this analysis being more timely to complete as the WDRM 4 model was only recently released. This information will be provided once it is available.</p> <p>PG&amp;E will provide the information once it is available. However, PG&amp;E anticipates this analysis being several months to complete as the WDRM 4 model was only recently released. PG&amp;E will provide this information once it is available.</p> <p>A. Please see worksheet "OEIS 016 Q01" in attachment "WMP-Discovery2023-2025_DR_OEIS_016-Q01Supp1.xlsx" for the requested information.</p> <p>B. Please see worksheet "OEIS 016 Q01" in attachment "WMP-Discovery2023-2025_DR_OEIS_016-Q01Supp1.xlsx" for the requested information.</p> <p>C. Please see worksheet "OEIS 016 Q01" in attachment "WMP-Discovery2023-2025_DR_OEIS_016-Q01Supp1.xlsx" for the requested information.</p> <p>D. PG&amp;E released WDRM 4 for use in January of 2024 and is currently evaluating associated work plans in future years anticipated to be described in PG&amp;E's 2026 WMP. Much of the analysis for the tables and figures requested in parts (a) through (f) below are included in this work and are underway. As the analysis only recently started and is still ongoing, parts (a) through (f) will require more time and part (a) will not be available until later in 2024.</p> <p>Please let us know if you would like to meet and confer to discuss this request, the work that needs to be done to create the requested information, and why the information is not currently available.</p> <p>A. The information being requested is under development and anticipated to be available around May 8, 2024.</p> <p>B. The information being requested is under development and anticipated to be available around May 8, 2024.</p>	Bad 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	301	OEIS_016_Q3(a)	<p>Q01: Regarding PG&amp;E's Adjustments to its WDRM</p> <p>1) In PG&amp;E's 2023 WMP Update, PG&amp;E discusses the changes made between its Wildfire Distribution Risk Model (WDRM) Version 3 (V3) to Version 4 (V4). Based on these changes, provide:</p> <p>A. An updated version of Table 6-4 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 Figure 7-2 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 6-5 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 7-1 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-22-016 Question 17 showing the difference in output between V2 and V3.</p>	<p>A. Please see worksheet "OEIS 016 Q01" in attachment "WMP-Discovery2023-2025_DR_OEIS_016-Q01Supp1.xlsx" for the requested information.</p> <p>B. Please see worksheet "OEIS 016 Q01" in attachment "WMP-Discovery2023-2025_DR_OEIS_016-Q01Supp1.xlsx" for the requested information.</p> <p>C. Please see worksheet "OEIS 016 Q01" in attachment "WMP-Discovery2023-2025_DR_OEIS_016-Q01Supp1.xlsx" for the requested information.</p> <p>D. PG&amp;E would like to amend the response submitted on April 25, 2024, to note that the requested information is unable to be provided by May 8, 2024. Once PG&amp;E identifies an alternate response, PG&amp;E will update this response with an amended response to provide the analysis. As the response to subpart E, PG&amp;E will provide this information once it is available. However, we anticipate this analysis being more timely to complete as the WDRM 4 model was only recently released. This information will be provided once it is available.</p> <p>PG&amp;E will provide the information once it is available. However, PG&amp;E anticipates this analysis being several months to complete as the WDRM 4 model was only recently released. PG&amp;E will provide this information once it is available.</p> <p>A. Please see worksheet "OEIS 016 Q01" in attachment "WMP-Discovery2023-2025_DR_OEIS_016-Q01Supp1.xlsx" for the requested information.</p> <p>B. Please see worksheet "OEIS 016 Q01" in attachment "WMP-Discovery2023-2025_DR_OEIS_016-Q01Supp1.xlsx" for the requested information.</p> <p>C. Please see worksheet "OEIS 016 Q01" in attachment "WMP-Discovery2023-2025_DR_OEIS_016-Q01Supp1.xlsx" for the requested information.</p> <p>D. PG&amp;E released WDRM 4 for use in January of 2024 and is currently evaluating associated work plans in future years anticipated to be described in PG&amp;E's 2026 WMP. Much of the analysis for the tables and figures requested in parts (a) through (f) below are included in this work and are underway. As the analysis only recently started and is still ongoing, parts (a) through (f) will require more time and part (a) will not be available until later in 2024.</p> <p>Please let us know if you would like to meet and confer to discuss this request, the work that needs to be done to create the requested information, and why the information is not currently available.</p> <p>A. The information being requested is under development and anticipated to be available around May 8, 2024.</p> <p>B. The information being requested is under development and anticipated to be available around May 8, 2024.</p>	Bad 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
600	OEIS	016	OEIS_016	302a	OEIS_016_Q3(a)	<p>Q01: Regarding PG&amp;E's Adjustments to its WDRM</p> <p>1) In PG&amp;E's 2023 WMP Update, PG&amp;E discusses the changes made between its Wildfire Distribution Risk Model (WDRM) Version 3 (V3) to Version 4 (V4). Based on these changes, provide:</p> <p>A. An updated version of Table 6-4 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 Figure 7-2 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 6-5 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 7-1 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-22-016 Question 17 showing the difference in output between V2 and V3.</p>	<p>A. Please see attachment "WMP-Discovery2023-2025_DR_OEIS_016-Q01Supp1.xlsx" for the updated version of Figure 7-1 from PG&amp;E's 2023-2025 WMP Update.</p> <p>B. Please see attachment "WMP-Discovery2023-2025_DR_OEIS_016-Q01Supp1.xlsx" for a graph of the requested information.</p>	Bad Hill	4/22/2024	11/8/2024	11/4/2024	2	NA	6.1.2	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
601	MDRA	Data Request No. 12	MDRA_Data Request No. 12	1	MDRA_Data Request No. 12_Q1	<p>Please provide an Excel spreadsheet giving the mapping between PG&amp;E weather station IDs and IDs used by Syntron for the PG&amp;E network if these IDs are different.</p>	<p>PG&amp;E weather station identification numbers (ID) directly correspond to Syntron's weather station IDs. However, Syntron allows weather characteristics for their ID, PG&amp;E WMPs allows that their weather ID's are used for the PG&amp;E network by providing the first digit of PG&amp;E's ID. For example, PG&amp;E weather station with Syntron ID "PG&amp;E01" would be PG&amp;E weather station "PG&amp;E01" and Syntron ID "WMP01" would be PG&amp;E01.</p> <p>Attachments to this response contain CONFIDENTIAL information provided pursuant to the accommodations confidentiality declaration.</p> <p>Please see the following meeting invitations with agendas/minutes and meeting notes for the first and second meetings held in 2023 regarding local management:</p> <p>Please note, there were no other materials used by PG&amp;E during these meetings.</p> <p>June 2023 Joint IOU Meeting Section</p> <p>Attachment Name Description</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>June 2023 Joint IOU Meeting Section</p> <p>Attachment Name Description</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>June 2023 Follow-up Email "RE Meeting Notes Joint IOU Fuel Management Reciprocity Meeting"</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>August 2023 Joint IOU Meeting Section</p> <p>Attachment Name Description</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>July 2023 Joint IOU Fuel Management Reciprocity Meeting Section</p> <p>Attachment Name Description</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>August 2023 Follow-up Email "FW Joint IOU Fuel Management Reciprocity Meeting"</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p>	Joseph Michael	4/25/2024	4/30/2024	4/29/2024	0	NA	11.4	Appendix D - Assess for Continued Improvement	11.4 ACI PG&E-23-23 : 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 IOU working sessions held in 2023 to discuss each utility's respective fuels management programs and practices such as IOU fuel for disposal and recycling wood by debris and vegetation [1]</p> <p>[1] SDG&amp;E 2023 WMP Update, April 2, 2024, pp. 52-63</p>	<p>Attachments to this response contain CONFIDENTIAL information provided pursuant to the accommodations confidentiality declaration.</p> <p>Joint IOU discussions to review and evaluate utility fuel management programs were coordinated within a working group that had already been established to support ongoing efforts to develop and establish the Cal Poly San Luis Obispo Wildland-Urban Interface (WUI) Fuel Institute. The WUI Fuel Institute conducts research, training and education geared towards creating more fire-resistant communities.</p> <p>In October 2023, the utility stakeholders began collaboration on fuel management programs analysis. Each utility contributed to the development of an initial survey, meeting questions, including responses and conducting review. Please see attached emails and meeting minutes from October 2023 through December 2023 outlined in the table below.</p> <p>Attachment Name Description</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>Email re: IOU Engagement with the WUI Fuel Institute</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>Meeting Invite and Agenda re: IOU WUI Fuel Institute Coordination - Fuel Charing and Modification Study</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>Invite re: IOU Meeting Notes Survey Responses</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>Invite re: IOU Meeting Notes Survey Responses</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p>	Zoe Harist	4/26/2024	5/1/2024	5/1/2024	6	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 a summary of any developments since the 2023 meeting and working sessions towards meeting a Joint IOU working group on best practices and efficacy of fuels management programs and practices such as IOU fuel for disposal and recycling wood by debris and vegetation [1]</p> <p>[2] SDG&amp;E 2023 WMP Update, April 2, 2024, pp. 52-63</p>	<p>Attachments to this response contain CONFIDENTIAL information provided pursuant to the accommodations confidentiality declaration.</p> <p>Joint IOU discussions to review and evaluate utility fuel management programs were coordinated within a working group that had already been established to support ongoing efforts to develop and establish the Cal Poly San Luis Obispo Wildland-Urban Interface (WUI) Fuel Institute. The WUI Fuel Institute conducts research, training and education geared towards creating more fire-resistant communities.</p> <p>In October 2023, the utility stakeholders began collaboration on fuel management programs analysis. Each utility contributed to the development of an initial survey, meeting questions, including responses and conducting review. Please see attached emails and meeting minutes from October 2023 through December 2023 outlined in the table below.</p> <p>Attachment Name Description</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>Email re: IOU Engagement with the WUI Fuel Institute</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>Meeting Invite and Agenda re: IOU WUI Fuel Institute Coordination - Fuel Charing and Modification Study</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>Invite re: IOU Meeting Notes Survey Responses</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>Invite re: IOU Meeting Notes Survey Responses</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p>	Zoe Harist	4/26/2024	5/1/2024	5/1/2024	8	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 see response to Question 002 for supporting communications, meeting notes and all research project proposal attachments for the requested information from April 2024.</p>	<p>Attachments to this response contain CONFIDENTIAL information provided pursuant to the accommodations confidentiality declaration.</p> <p>Joint IOU discussions to review and evaluate utility fuel management programs were coordinated within a working group that had already been established to support ongoing efforts to develop and establish the Cal Poly San Luis Obispo Wildland-Urban Interface (WUI) Fuel Institute. The WUI Fuel Institute conducts research, training and education geared towards creating more fire-resistant communities.</p> <p>In October 2023, the utility stakeholders began collaboration on fuel management programs analysis. Each utility contributed to the development of an initial survey, meeting questions, including responses and conducting review. Please see attached emails and meeting minutes from October 2023 through December 2023 outlined in the table below.</p> <p>Attachment Name Description</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>Email re: IOU Engagement with the WUI Fuel Institute</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>Meeting Invite and Agenda re: IOU WUI Fuel Institute Coordination - Fuel Charing and Modification Study</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>Invite re: IOU Meeting Notes Survey Responses</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p> <p>Invite re: IOU Meeting Notes Survey Responses</p> <p>WMP-Discovery2023-2025_DR_OEIS_003-20230101MeetingCONF.pdf</p>	Zoe Harist	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

605	OEIS	017	OEIS_017	1	OEIS_017_01	<p>Regarding the Joint Utility Covered Conductor Effectiveness Weekly Meetings (PGE's 2023 Update mentions that it participated in weekly meetings with utilities in 2022 "to document and share information regarding covered conductor effectiveness" (p. 48, response to PG&amp;E 23-04 "Cross-Utility Collaboration on Best Practices for Incident of Climate Change Forecasts in Consequence Modeling, Incident of Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildlife Safety"). Please explain the following:</p> <ol style="list-style-type: none"> <li>1. Which utilities were present at these weekly meetings?</li> <li>2. The last of these meetings began in:</li> <li>3. These meetings were in response to a specific Area of Continued Improvement?</li> <li>4. If yes, please state which Area of Continued Improvement?</li> <li>5. If not, please state what directive these meetings were in response to.</li> </ol>	Bird HB	4/9/2024	5/2/2024	5/2/2024	<a href="https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Covered-Conductor-Effectiveness-Weekly-Meetings-Report.pdf">https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Covered-Conductor-Effectiveness-Weekly-Meetings-Report.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-04
606	OEIS	017	OEIS_017	2	OEIS_017_02	<p>Regarding the Utility Underpinning Working Group Meetings (PGE's 2023 Update mentions that "Lastly, the utility also developed an underpinning working group to discuss internal formal and the challenge assessment about interconnecting" (p. 48, response to PG&amp;E 23-04 "Cross-Utility Collaboration on Best Practices for Incident of Climate Change Forecasts in Consequence Modeling, Incident of Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildlife Safety"). Please explain the following:</p> <ol style="list-style-type: none"> <li>1. The general duration of these meetings?</li> <li>2. Which monthly, weekly, or quarterly meetings? Please specify?</li> <li>3. If these meetings were in response to a specific Area of Continued Improvement?</li> <li>4. If yes, please state which Area of Continued Improvement?</li> <li>5. If not, please state what directive these meetings were in response to.</li> </ol>	Bird HB	4/9/2024	5/2/2024	5/2/2024	<a href="https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Utility-Underpinning-Working-Group-Meetings-Report.pdf">https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Utility-Underpinning-Working-Group-Meetings-Report.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-04
607	OEIS	017	OEIS_017	3	OEIS_017_03	<p>Regarding the Quarterly Joint Utility Monthly Meetings (PGE's 2023 Update mentions that "Furthermore, as described above, PG&amp;E, SCE, and SOG&amp;E developed standing monthly joint utility meetings, creating a forum to keep one another updated and discuss wildfire topics" (p. 48, response to PG&amp;E 23-04 "Cross-Utility Collaboration on Best Practices for Incident of Climate Change Forecasts in Consequence Modeling, Incident of Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildlife Safety"). Please provide the following:</p> <ol style="list-style-type: none"> <li>1. Are these meetings in response to a specific Area of Continued Improvement?</li> <li>2. If yes, please state which Area of Continued Improvement?</li> <li>3. Do these meetings include: Safety, Liberty, or Resilience in these meetings?</li> <li>4. If yes, please state any past or future attempts to include these utilities.</li> </ol> <p>Regarding the Standing Joint Utility Monthly Meetings (PGE's 2023 Update mentions that "Furthermore, as described above, PG&amp;E, SCE, and SOG&amp;E developed standing monthly joint utility meetings, creating a forum to keep one another updated and discuss wildfire topics" (p. 48, response to PG&amp;E 23-04 "Cross-Utility Collaboration on Best Practices for Incident of Climate Change Forecasts in Consequence Modeling, Incident of Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildlife Safety"). Please provide the following:</p> <ol style="list-style-type: none"> <li>1. Are these meetings in response to a specific Area of Continued Improvement?</li> <li>2. If yes, please state which Area of Continued Improvement?</li> <li>3. Do these meetings include: Safety, Liberty, or Resilience in these meetings?</li> <li>4. If yes, please state any past or future attempts to include these utilities.</li> </ol>	Bird HB	4/9/2024	5/2/2024	5/2/2024	<a href="https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Quarterly-Joint-Utility-Monthly-Meetings-Report.pdf">https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Quarterly-Joint-Utility-Monthly-Meetings-Report.pdf</a>	4	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-04
608	OEIS	017	OEIS_017	4	OEIS_017_04	<p>Regarding the Joint Utility Monthly Meetings on the WMP (PGE's 2023 Update mentions that "The Joint Utilities conduct a monthly meeting that discusses many areas of the WMP in depth. PG&amp;E, Southern California Edison Company (SCE), and SOG&amp;E each have turn leading the meetings. Topics for these meetings generally cover regulation, planning, and implementation, regulatory developments, and knowledge sharing." (p. 48, response to PG&amp;E 23-04 "Cross-Utility Collaboration on Best Practices for Incident of Climate Change Forecasts in Consequence Modeling, Incident of Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildlife Safety"). Please provide the following:</p> <ol style="list-style-type: none"> <li>1. Are these meetings in response to a specific Area of Continued Improvement?</li> <li>2. If yes, please state which Area of Continued Improvement?</li> <li>3. Do these meetings include: Safety, Liberty, or Resilience in these meetings?</li> <li>4. If yes, please state any past or future attempts to include these utilities.</li> </ol>	Bird HB	4/9/2024	5/2/2024	5/2/2024	<a href="https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Joint-Utility-Monthly-Meetings-on-the-WMP-Report.pdf">https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Joint-Utility-Monthly-Meetings-on-the-WMP-Report.pdf</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-04
609	MDRA	Data Request No. 13	MDRA_Data Request No. 13	1	MDRA_Data Request No. 13_01	<p>The PG&amp;E response supplied to MDRA in WMP-Discovery2022-0362_DR_MDRA_000-001546301-ignition-11 was incomplete and inconclusive because:</p> <ol style="list-style-type: none"> <li>a. It contained an ID that could be accessed without PG&amp;E's regulated ignition data base.</li> <li>b. It contained no ignition date, not ignition time, which makes it impossible to determine when many ignitions often occur on the same day.</li> <li>c. The missing response therefore has not been made available for any external investigation regarding cause or whether and if of limited utility.</li> <li>d. Please provide an updated version concerning identified ignition IDs and times.</li> </ol>	Joseph Michalek	4/30/2024	5/3/2024	5/1/2024	<a href="https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Response-to-Discovery-2022-0362-DR-0001546301-ignition-11.pdf">https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Response-to-Discovery-2022-0362-DR-0001546301-ignition-11.pdf</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-25 Fire Potential Index (PFI) and Ignition Probability Weather (IPW) Enhancements
610	CaPA	Sat WMP-47	CaPA_Sat WMP-47	1	CaPA_Sat WMP-47_01	<p>The attached spreadsheet (filename "CAL-CAL-CAL-PGE-2023WMP-11Q1A7CH_CONF.xlsx") contains a subset of PGE's 2023-2024 system hardening schedule as provided in response to Cal-Advisories data request CAL-Advisories-PGE-2023WMP-01. Specifically, it contains 30 underground projects that were located using Wildfire Distribution Risk Model v3, and 81 projects in locations with area of v2 and v3 bins. All of all projects located using WDRM v3 (or the bin labeled "0 projects") please provide the total risk reduction percentage (similar to Column A6) for these projects using WDRM v4 in a working Excel spreadsheet (i.e., with links, formulas, source data, etc.)</p> <p>If all of all projects located using WDRM v3 (or the bin labeled "0 projects") please provide the total risk reduction percentage (similar to Column A6) for these projects using WDRM v4 in a working Excel spreadsheet (i.e., with links, formulas, source data, etc.)</p>	Mica Gordon	4/29/2024	5/3/2024	5/3/2024	<a href="https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-WMP-47-01-Response-to-CAL-Advisories-PGE-2023WMP-01.pdf">https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-WMP-47-01-Response-to-CAL-Advisories-PGE-2023WMP-01.pdf</a>	0	NA	8.1,2,5	System Hardening	NA
611	MDRA	Data Request No. 14	MDRA_Data Request No. 14	1	MDRA_Data Request No. 14_01	<p>The event identifier WMP-Discovery2023-0362_DR_MDRA_013-0001546301-ignition-11, ignores in which the circuit was activated with WDRM v4 for all occurrences in WFTD. PG&amp;E's WMP-47 response was that only WDRM v3 data is available. Please explain. Does WDRM v3 data include all events?</p>	Joseph Michalek	5/2/2024	5/7/2024	5/7/2024	<a href="https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Response-to-Discovery-2023-0362-DR-0130001546301-ignition-11.pdf">https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Response-to-Discovery-2023-0362-DR-0130001546301-ignition-11.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-25 Fire Potential Index (PFI) and Ignition Probability Weather (IPW) Enhancements
612	MDRA	Data Request No. 14	MDRA_Data Request No. 14	2	MDRA_Data Request No. 14_02	<p>Does any of the useful ignitions in DCO-enabled detector (DCC) technology was enabled?</p> <p>If you provide the raw data from PG&amp;E's GIS data, since PG&amp;E include raw time data to its web viewer site.</p>	Joseph Michalek	5/2/2024	5/7/2024	5/7/2024	<a href="https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Response-to-Discovery-2023-0362-DR-0140001546301-ignition-11.pdf">https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Response-to-Discovery-2023-0362-DR-0140001546301-ignition-11.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-25 Fire Potential Index (PFI) and Ignition Probability Weather (IPW) Enhancements
613	MDRA	Data Request No. 14	MDRA_Data Request No. 14	3	MDRA_Data Request No. 14_03	<p>Provide the full cause (as reported to the CPUC) for the ignitions that occurred on the DCO-enabled circuit.</p>	Joseph Michalek	5/2/2024	5/7/2024	5/7/2024	<a href="https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Response-to-Discovery-2023-0362-DR-0150001546301-ignition-11.pdf">https://www.pge.com/PDF/investor/Investor-Relations/2023/2023-Response-to-Discovery-2023-0362-DR-0150001546301-ignition-11.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-25 Fire Potential Index (PFI) and Ignition Probability Weather (IPW) Enhancements

814	MGRA	Data Request No. 14	MGRA_Data Request No. 14	4	MGRA_Data Request No. 14_Q4	<p>Please see the following table for a list of the 17 potentially sensitive systems (SGS) observed in 2023 for which the outage fault was detected by SCADA telemetry. Outage #, Date, Cause Code.</p> <p>23-000795 02/02/2023 15:34 03/02/2023 10:59 Equipment Failure/through 03/02/2023 21:43 03/02/2023 11:26 Vegetation 23-038099 7/02/2023 2:52 7/02/2023 13:43 Vegetation 23-038168 7/02/2023 20:52 7/02/2023 19:30 Equipment Failure/through 03-030876 6/30/2023 3:34 6/30/2023 3:53 Equipment Failure/through 23-013409 6/15/2023 13:49 6/16/2023 11:07 Vegetation 23-014866 6/24/2023 18:00 6/25/2023 13:37 Vegetation 23-011973 6/22/2023 10:27</p>	Joseph Michal	5/20/2024	6/7/2024	5/7/2024	<a href="https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404">https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-25 Fire Potential Index (PFI) and Ignition Probability Weather (IPW) Enhancements
815	MGRA	Data Request No. 14	MGRA_Data Request No. 14	5	MGRA_Data Request No. 14_Q5	<p>How many "false" DCD signals were received that resulted in outages in 2023? What was the number of customers and customer minutes affected?</p>	Joseph Michal	5/20/2024	5/13/2024	5/13/2024	<a href="https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404">https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-25 Fire Potential Index (PFI) and Ignition Probability Weather (IPW) Enhancements
816	OEIS	018	OEIS_018	1	OEIS_018_Q1	<p>Regarding FT7 Inventory Only Tests in response to Data Request OEIS-FWMP_2024-0406-01, Question 1(b): PG&amp;E's operational approach to FT7 was changed to only file out a TRAC form on trees pruned for work. PG&amp;E describes trees that are identified but not pruned as "inventory only trees".</p> <p>What information does PG&amp;E record on One VM for inventory only trees?</p> <p>Provide screenshots of One VM showing the facts inspectors most popular for inventory only trees.</p>	Brad Hed	5/30/2024	5/8/2024	5/8/2024	<a href="https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404">https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404</a>	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_Q2	<p>Regarding Bank for Batteries Completed in 2023:</p> <p>In its WMP Update, PG&amp;E states that it completed 4,700 units of new or replacement portable and permanent batteries (PS-C).</p> <p>Provide, in outline format, a list of accounts that received a battery in 2023, including:</p> <ul style="list-style-type: none"> <li>Whether the battery was new or replacement.</li> <li>Whether that battery was portable or permanent.</li> <li>Whether</li> </ul> <p>in looking for the following documents:</p> <p>Date Request: C&amp;A/Accounts_2023-0114_C&amp;A/Accounts-PGE2023WMP-Q3</p> <p>Date Request Date: March 22, 2024</p> <p>PG&amp;E Date of Response to Data Request: April 5, 2024</p> <p>PG&amp;E Document No. or Title</p> <p>WMP-Inventory2023-0205_DR_C&amp;A/Accounts_030-Q01/ANR01CONF.xlsx</p> <p>WMP-Inventory2023-0205_DR_C&amp;A/Accounts_030-Q01/ANR02CONF.xlsx</p> <p>WMP-Inventory2023-0205_DR_C&amp;A/Accounts_030-Q01/ANR03CONF.xlsx</p> <p>WMP-Inventory2023-0205_DR_C&amp;A/Accounts_030-Q01/ANR04CONF.xlsx</p> <p>WMP-Inventory2023-0205_DR_C&amp;A/Accounts_030-Q01/ANR05CONF.xlsx</p>	Brad Hed	5/30/2024	5/8/2024	5/8/2024	<a href="https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404">https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404</a>	1	NA	8.5.3	8.0 Wildlife Mitigation	8.5.3 Engagement with Access and Function/Needs Procedures
818	CPUC - SPD (Safety Policy Division)	013	CPUC - SPD (Safety Policy Division)_013	1	CPUC - SPD (Safety Policy Division)_013_Q1	<p>Please see the following files for the requested information. Please note, these attachments were provided as pdf files and not excel files.</p> <ul style="list-style-type: none"> <li>WMP-Inventory2023-0205_DR_C&amp;A/Accounts_030-Q01/ANR01CONF.pdf</li> <li>WMP-Inventory2023-0205_DR_C&amp;A/Accounts_030-Q01/ANR02CONF.pdf</li> <li>WMP-Inventory2023-0205_DR_C&amp;A/Accounts_030-Q01/ANR03CONF.pdf</li> <li>WMP-Inventory2023-0205_DR_C&amp;A/Accounts_030-Q01/ANR04CONF.pdf</li> </ul> <p>After reviewing your requests, PG&amp;E identified confidential information that was erroneously left unmarked in Attachments 01.03 submitted to the Public Accounts Office (CA/Accounts) on April 5, 2024. PG&amp;E has amended its response to CA/Accounts and is providing the updated, amended, Attachment 01.03.</p> <p>PG&amp;E's most current EPSS protection guidelines are document in TD-1470P-01 A8.1</p> <p>EPSS phase overcurrent settings for line reclosers (LR) and circuit breakers (CB) are as follows:</p> <ul style="list-style-type: none"> <li>EPSS phase overcurrent settings for line reclosers (LR) and circuit breakers (CB) are as follows: <ul style="list-style-type: none"> <li>Phase time overcurrent (51 element): <ul style="list-style-type: none"> <li>Phase response time (RTT) 1.50s three-phase fault + 70% line-to-line fault based upon simulated short circuit bolted faults at the protection zone end of the line and other single phase from-ground protective devices are not included as determiners for the purpose of establishing the protective zone. Set phase RTT greater than 1.2x maximum expected loading.</li> <li>Phase instantaneous/definite time overcurrent (50 element): <ul style="list-style-type: none"> <li>Phase instantaneous/definite time setting is set equal to the phase time overcurrent response to 90%.</li> </ul> </li> </ul> </li> <li>For EPSS-EPSS phase overcurrent trip settings are based upon short circuit analysis provided through simulation of the distribution network model. The simulation provides values to set as described in Question 1 subject a). <ul style="list-style-type: none"> <li>For EPSS-EPSS phase instantaneous/definite time settings are established through planning forecasts as well as historical SCADA observations.</li> </ul> </li> </ul> </li></ul>	Henry Szwed	5/14/2024	5/22/2024	5/16/2024	<a href="https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404">https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404</a>	4	NA	8	Section 8.3 - Situational Awareness and Forecasting	8.3.1 Existing Ignition Detection Sensors and System
819	CA&P	Set WMP-48	CA&P_Set WMP-48	1	CA&P_Set WMP-48_Q1	<p>For PG&amp;E's three-wire un-grounded primary circuits at or below 35 kV (nominal) please describe, with references to PG&amp;E's procedures:</p> <ul style="list-style-type: none"> <li>a) PG&amp;E's faulted-to-ground protection settings, or EPSS line-current thresholds.</li> <li>b) PG&amp;E's faulted-to-ground protection thresholds are calculated from measured circuit values.</li> <li>c) The intentional delays assigned to those line-current thresholds.</li> <li>d) PG&amp;E's faulted-to-ground protection settings are calculated from measured circuit values.</li> <li>e) The intentional delays assigned to those ground-current thresholds, and</li> <li>f) How the current and delay thresholds differ from non fault-tap settings.</li> </ul> <p>For EPSS ground overcurrent settings for line reclosers and circuit breakers are set with the following guidelines:</p> <ul style="list-style-type: none"> <li>Ground overcurrent-to-peak (MTT) + 50% simulated short circuit bolted line to ground fault at the protection zone end of the line. Phase and other single phase (non-pargued) protective devices are not included as determiners for the purpose of establishing the protective zone. Set ground MTT greater than 1.2x maximum expected normal standing ground current.</li> <li>Ground instantaneous/definite time overcurrent (50NS element): <ul style="list-style-type: none"> <li>Phase instantaneous/definite time setting is set equal to the phase time overcurrent response to 90%.</li> </ul> </li> </ul>	Tyler Hodeshach	5/16/2024	5/13/2024	5/13/2024	<a href="https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404">https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
820	CA&P	Set WMP-48	CA&P_Set WMP-48	2	CA&P_Set WMP-48_Q2	<p>For PG&amp;E's four-wire multi-grounded primary circuits at or below 35 kV please describe, with references to PG&amp;E's procedures:</p> <ul style="list-style-type: none"> <li>a) PG&amp;E's faulted-to-ground protection settings, or EPSS line-current thresholds.</li> <li>b) PG&amp;E's faulted-to-ground protection thresholds are calculated from measured circuit values.</li> <li>c) The intentional delays assigned to those line-current thresholds.</li> <li>d) PG&amp;E's faulted-to-ground protection settings are calculated from measured circuit values.</li> <li>e) The intentional delays assigned to those ground-current thresholds, and</li> <li>f) How the current and delay thresholds differ from non fault-tap settings.</li> </ul> <p>For EPSS ground overcurrent settings for line reclosers and circuit breakers are set with the following guidelines:</p> <ul style="list-style-type: none"> <li>Ground overcurrent-to-peak (MTT) + 50% simulated short circuit bolted line to ground fault at the protection zone end of the line. Phase and other single phase (non-pargued) protective devices are not included as determiners for the purpose of establishing the protective zone. Set ground MTT greater than 1.2x maximum expected normal standing ground current.</li> <li>Ground instantaneous/definite time overcurrent (50NS element): <ul style="list-style-type: none"> <li>Phase instantaneous/definite time setting is set equal to the phase time overcurrent response to 90%.</li> </ul> </li> </ul>	Tyler Hodeshach	5/16/2024	5/13/2024	5/13/2024	<a href="https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404">https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
821	CA&P	Set WMP-48	CA&P_Set WMP-48	3	CA&P_Set WMP-48_Q3	<p>For PG&amp;E's single phase 35 kV, but not classified as part of the NERC Bulk electric system, please describe, with references to PG&amp;E's procedures:</p> <ul style="list-style-type: none"> <li>a) PG&amp;E's faulted-to-ground protection settings, or EPSS line-current thresholds.</li> <li>b) PG&amp;E's faulted-to-ground protection thresholds are calculated from measured circuit values.</li> <li>c) The intentional delays assigned to those line-current thresholds.</li> <li>d) PG&amp;E's faulted-to-ground protection settings are calculated from measured circuit values.</li> <li>e) The intentional delays assigned to those ground-current thresholds, and</li> <li>f) How the current and delay thresholds differ from non fault-tap settings.</li> </ul> <p>For EPSS ground overcurrent settings for line reclosers and circuit breakers are set with the following guidelines:</p> <ul style="list-style-type: none"> <li>Ground overcurrent-to-peak (MTT) + 50% simulated short circuit bolted line to ground fault at the protection zone end of the line. Phase and other single phase (non-pargued) protective devices are not included as determiners for the purpose of establishing the protective zone. Set ground MTT greater than 1.2x maximum expected normal standing ground current.</li> <li>Ground instantaneous/definite time overcurrent (50NS element): <ul style="list-style-type: none"> <li>Phase instantaneous/definite time setting is set equal to the phase time overcurrent response to 90%.</li> </ul> </li> </ul>	Tyler Hodeshach	5/16/2024	5/13/2024	5/13/2024	<a href="https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404">https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
822	CA&P	Set WMP-48	CA&P_Set WMP-48	4	CA&P_Set WMP-48_Q4	<p>For PG&amp;E's single phase 35 kV and classified as part of the NERC Bulk electric system please describe, with references to PG&amp;E's procedures:</p> <ul style="list-style-type: none"> <li>a) PG&amp;E's faulted-to-ground protection settings, or EPSS line-current thresholds.</li> <li>b) PG&amp;E's faulted-to-ground protection thresholds are calculated from measured circuit values.</li> <li>c) The intentional delays assigned to those line-current thresholds.</li> <li>d) PG&amp;E's faulted-to-ground protection settings are calculated from measured circuit values.</li> <li>e) The intentional delays assigned to those ground-current thresholds, and</li> <li>f) How the current and delay thresholds differ from non fault-tap settings.</li> </ul> <p>For EPSS ground overcurrent settings for line reclosers and circuit breakers are set with the following guidelines:</p> <ul style="list-style-type: none"> <li>Ground overcurrent-to-peak (MTT) + 50% simulated short circuit bolted line to ground fault at the protection zone end of the line. Phase and other single phase (non-pargued) protective devices are not included as determiners for the purpose of establishing the protective zone. Set ground MTT greater than 1.2x maximum expected normal standing ground current.</li> <li>Ground instantaneous/definite time overcurrent (50NS element): <ul style="list-style-type: none"> <li>Phase instantaneous/definite time setting is set equal to the phase time overcurrent response to 90%.</li> </ul> </li> </ul>	Tyler Hodeshach	5/16/2024	5/13/2024	5/13/2024	<a href="https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404">https://www.gse.com/Forms/View/Default.aspx?ID=78&amp;Category=Informational&amp;ItemID=114404</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS





632	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	13d3	CPUC - SPD (Safety Policy Division)_014_013d3	<p>Provide the last 100 created Priority A tags and associated inspection report. Include all photos from tags or inspection report.</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 expects the maximum number of tags to be submitted to be 200.</p>	<p>Please see "WMP-Discovery2023-2025_DR_SPD_014-0001(SupplementalCONF Jay" for the requested images associated with tags and inspection reports provided with SPD_014-0001(Suppl). 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>10002482 12813801 10107796 12811006 0410241222 12895979 10013731 10094052 10095473 12813825 10077299 12865119 130784135 12813748 10094052 12817825 10102883 12817853</p>	Henry Sweat	5/14/2024	6/21/2024	6/21/2024	<a href="https://www.gpe.com/portal/Tags/View/ViewDetails?tagid=10002482&amp;equipmentid=12813801">https://www.gpe.com/portal/Tags/View/ViewDetails?tagid=10002482&amp;equipmentid=12813801</a>	1	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
633	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	2	CPUC - SPD (Safety Policy Division)_014_02	<p>Provide the last 100 created Priority X work orders and associated inspection report. Include all photos from work orders or inspection report.</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 expects 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 (OH) inspections. Please note, as tags can be created outside of inspection, not all tags have associated inspection reports.</p> <p>A. Please see "WMP-Discovery2023-2025_DR_SPD_014-0002(AssistCONF Jay" for 45 Priority X tags and 44 associated inspection reports. Please note, tags 12877854 and 12877809 were created during the same inspection and are associated with inspection report "OH_10011564_CONF.pdf" located within the referenced job folder.</p> <p>B. Please see "WMP-Discovery2023-2025_DR_SPD_014-0003(AssistCONF Jay" for 45 Priority X tags that were located in HFTD.</p> <p>C. Please see "WMP-Discovery2023-2025_DR_SPD_014-0005(AssistCONF Jay" for seven additional Priority X tags to verify this subject (s) of this request.</p>	Henry Sweat	5/14/2024	5/31/2024	5/31/2024	<a href="https://www.gpe.com/portal/Tags/View/ViewDetails?tagid=10002482&amp;equipmentid=12813801">https://www.gpe.com/portal/Tags/View/ViewDetails?tagid=10002482&amp;equipmentid=12813801</a>	3	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
634	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	3	CPUC - SPD (Safety Policy Division)_014_03	<p>Provide the last 100 created Priority B work orders and associated inspection report. Include all photos from work orders or inspection report.</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 expects 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 (OH) inspections. Please note, as tags can be created outside of inspection, not all tags have associated inspection reports.</p> <p>A. Please see "WMP-Discovery2023-2025_DR_SPD_014-0004(AssistCONF Jay" 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_014-0005(AssistCONF Jay" for 24 Priority B tags that were located in HFTD.</p> <p>C. As these tags were created during inspections, this attachment also contains their associated inspection reports. Please see "WMP-Discovery2023-2025_DR_SPD_014-0005(AssistCONF Jay" for 28 additional Priority B tags in safety subject (s) of this request. As these tags were created during inspections, this attachment also contains their associated inspection reports.</p>	Henry Sweat	5/14/2024	6/31/2024	6/31/2024	<a href="https://www.gpe.com/portal/Tags/View/ViewDetails?tagid=10002482&amp;equipmentid=12813801">https://www.gpe.com/portal/Tags/View/ViewDetails?tagid=10002482&amp;equipmentid=12813801</a>	3	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
635	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	4	CPUC - SPD (Safety Policy Division)_014_04	<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_014-0006(AssistCONF Jay" for the requested information.</p>	Henry Sweat	5/14/2024	5/28/2024	5/28/2024	<a href="https://www.gpe.com/portal/Tags/View/ViewDetails?tagid=10002482&amp;equipmentid=12813801">https://www.gpe.com/portal/Tags/View/ViewDetails?tagid=10002482&amp;equipmentid=12813801</a>	1	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
636	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	5	CPUC - SPD (Safety Policy Division)_014_05	<p>Provide number of A, B, X, E, F for Aerial, Ground and Pole Test and Trestle finds during inspections in 2023, and 2024 broken down by HFTD and non HFTD. Include number of inspections and find rate for each tag type. Submit the same information in the same format as Table RN PG&amp;E 23 04 7 (attached in email) for 2023 and 2024 from PG&amp;E's 2023 2025 Wildlife Mitigation Plan Supplemental Response to Revision Notice, except provide the actual tag finds, rather than "Forecasted Tag Finds." Indicate if inspectors or planes were used for any of the aerial respoc-oms.</p>	<p>2023-2024 Actual Finds by Inspection Type Annual Inspections 2023 Annual Inspections 2024 (YTD) Inspection Type Per Priority Find Rate Actual Inspections by Tag Actual Tag Find First Rate Actual Inspections by Tag Actual Tag Find First Rate</p> <p>Non-HFTD</p> <p>AFRA</p> <p>0.8%</p> <p>108</p> <p>1.81</p> <p>0.1%</p> <p>0.20%</p> <p>0.20%</p> <p>1.7%</p> <p>18</p> <p>0.0%</p> <p>0.0%</p> <p>15.31%</p> <p>242</p> <p>0.0%</p> <p>0.28%</p> <p>0.28%</p> <p>16.6%</p>	Henry Sweat	5/14/2024	5/28/2024	5/28/2024	<a href="https://www.gpe.com/portal/Tags/View/ViewDetails?tagid=10002482&amp;equipmentid=12813801">https://www.gpe.com/portal/Tags/View/ViewDetails?tagid=10002482&amp;equipmentid=12813801</a>	0	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
636	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	5d3	CPUC - SPD (Safety Policy Division)_014_5d3	<p>Provide number of A, B, X, E, F for Aerial, Ground and Pole Test and Trestle finds during inspections in 2023, and 2024 broken down by HFTD and non HFTD. Include number of inspections and find rate for each tag type. Submit the same information in the same format as Table RN PG&amp;E 23 04 7 (attached in email) for 2023 and 2024 from PG&amp;E's 2023 2025 Wildlife Mitigation Plan Supplemental Response to Revision Notice, except provide the actual tag finds, rather than "Forecasted Tag Finds." Indicate if inspectors or planes were used for any of the aerial respoc-oms.</p>	<p>Monitor use #610052-01</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 22, 2024. We were still gathering and quality checking this data when we provided our initial 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 Per Priority Find Rate Actual Inspections by Tag Actual Tag Find First Rate Actual Inspections by Tag Actual Tag Find First Rate</p> <p>Non-HFTD</p> <p>AFRA</p> <p>0.8%</p> <p>108</p> <p>1.81</p> <p>0.1%</p> <p>0.20%</p> <p>0.20%</p> <p>1.7%</p> <p>18</p> <p>0.0%</p> <p>0.0%</p> <p>15.31%</p> <p>242</p> <p>0.0%</p> <p>0.28%</p> <p>0.28%</p> <p>16.6%</p>	Henry Sweat	5/14/2024	5/31/2024	6/5/2024	<a href="https://www.gpe.com/portal/Tags/View/ViewDetails?tagid=10002482&amp;equipmentid=12813801">https://www.gpe.com/portal/Tags/View/ViewDetails?tagid=10002482&amp;equipmentid=12813801</a>	0	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
636	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	5d3d	CPUC - SPD (Safety Policy Division)_014_5d3d	<p>Provide number of A, B, X, E, F for Aerial, Ground and Pole Test and Trestle finds during inspections in 2023, and 2024 broken down by HFTD and non HFTD. Include number of inspections and find rate for each tag type. Submit the same information in the same format as Table RN PG&amp;E 23 04 7 (attached in email) for 2023 and 2024 from PG&amp;E's 2023 2025 Wildlife Mitigation Plan Supplemental Response to Revision Notice, except provide the actual tag finds, rather than "Forecasted Tag Finds." Indicate if inspectors or planes were used for any of the aerial respoc-oms.</p>	<p>PG&amp;E responded to "WMP-Discovery2023-2025_DR_SPD_014-0001.pdf" (0001), "WMP-Discovery2023-2025_DR_SPD_014-0002.pdf" (0002) and "WMP-Discovery2023-2025_DR_SPD_014-0003.pdf" (0003), all of the request by reviewing the most recently created 100 tags in the Priority A, X and B categories. PG&amp;E responded to "WMP-Discovery2023-2025_DR_SPD_014-0004.pdf" (0004), by providing a count of all tags created from inspections only in 2024. As more than 100 tags were created in 2024, the response requested in Q003 should include more tags. PG&amp;E also included the non-HFTD AFRA data in the data pull for Question 005, which was not originally included in Table RN PG&amp;E 23 04 7.</p> <p>In addition, PG&amp;E used a slightly different methodology when applying filters to pull the tag count data for Question 005 compared to what was used for Q001-Q003 in PG&amp;E's email of record. While the data for these 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 the table below.</p> <p>2023-2024 Actual Finds by Inspection Type Annual Inspections 2023 Annual Inspections 2024 (YTD) Inspection Type Per Priority Find Rate Actual Inspections by Tag Actual Tag Find First Rate Actual Inspections by Tag Actual Tag Find First Rate</p>	Henry Sweat	5/14/2024	6/21/2024	6/20/2024	<a href="https://www.gpe.com/portal/Tags/View/ViewDetails?tagid=10002482&amp;equipmentid=12813801">https://www.gpe.com/portal/Tags/View/ViewDetails?tagid=10002482&amp;equipmentid=12813801</a>	0	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections

636	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	5/28/2024	CPUC - SPD (Safety Policy Division)_014_05102409	<p>Provide number of A, B, X, E, F for Asset, Ground and Post-Tension Tests found during inspections in 2023, and 2024 broken down by IFO and non-IFO. Include number of inspections and total for each type. Submit the same information in the same format as Table RN PG&amp;E 23 04 7 (attached in excel) for 2023 and 2024 from PG&amp;E's 2023-2025 Wildlife Mitigation Plan Supplemental Information to Request for Bid, which provides the actual tag IDs rather than "Forecasted Tag IDs". Indicate if inspections or plans were used for any of the actual report items.</p>	Henry Swast	5/14/2024	7/26/2024	7/26/2024	<a href="https://www.pge.com/Portals/0/Utilities/Utilities/CPUC/CPUC%20-%202024%20-%20Wildlife%20Mitigation%20-%20Supplemental%20Information%20to%20Request%20for%20Bid%20-%20Final%20-%202024%20-%2005102409.xlsx">https://www.pge.com/Portals/0/Utilities/Utilities/CPUC/CPUC%20-%202024%20-%20Wildlife%20Mitigation%20-%20Supplemental%20Information%20to%20Request%20for%20Bid%20-%20Final%20-%202024%20-%2005102409.xlsx</a>	0	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
637	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	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 which priority it was re-assigned.</p> <p>B. Provide inspection reports and work orders, including all photos, for the last 10 created tags 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.pge.com/Portals/0/Utilities/Utilities/CPUC/CPUC%20-%202024%20-%20Wildlife%20Mitigation%20-%20Supplemental%20Information%20to%20Request%20for%20Bid%20-%20Final%20-%202024%20-%2006.xlsx">https://www.pge.com/Portals/0/Utilities/Utilities/CPUC/CPUC%20-%202024%20-%20Wildlife%20Mitigation%20-%20Supplemental%20Information%20to%20Request%20for%20Bid%20-%20Final%20-%202024%20-%2006.xlsx</a>	3	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
637	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	6/6	CPUC - SPD (Safety Policy Division)_014_06/06	<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 which priority it was re-assigned.</p> <p>B. Provide inspection reports and work orders, including all photos, for the last 10 created tags 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.pge.com/Portals/0/Utilities/Utilities/CPUC/CPUC%20-%202024%20-%20Wildlife%20Mitigation%20-%20Supplemental%20Information%20to%20Request%20for%20Bid%20-%20Final%20-%202024%20-%2006/06.xlsx">https://www.pge.com/Portals/0/Utilities/Utilities/CPUC/CPUC%20-%202024%20-%20Wildlife%20Mitigation%20-%20Supplemental%20Information%20to%20Request%20for%20Bid%20-%20Final%20-%202024%20-%2006/06.xlsx</a>	1	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
638	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	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.pge.com/Portals/0/Utilities/Utilities/CPUC/CPUC%20-%202024%20-%20Wildlife%20Mitigation%20-%20Supplemental%20Information%20to%20Request%20for%20Bid%20-%20Final%20-%202024%20-%2007.xlsx">https://www.pge.com/Portals/0/Utilities/Utilities/CPUC/CPUC%20-%202024%20-%20Wildlife%20Mitigation%20-%20Supplemental%20Information%20to%20Request%20for%20Bid%20-%20Final%20-%202024%20-%2007.xlsx</a>	0	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
639	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	8	CPUC - SPD (Safety Policy Division)_014_08	<p>What would motivate an inspector to override the prioritization for a tag in the job and increase the priority or deadline?</p> <p>A. In this scenario, what prevents a re-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.pge.com/Portals/0/Utilities/Utilities/CPUC/CPUC%20-%202024%20-%20Wildlife%20Mitigation%20-%20Supplemental%20Information%20to%20Request%20for%20Bid%20-%20Final%20-%202024%20-%2008.xlsx">https://www.pge.com/Portals/0/Utilities/Utilities/CPUC/CPUC%20-%202024%20-%20Wildlife%20Mitigation%20-%20Supplemental%20Information%20to%20Request%20for%20Bid%20-%20Final%20-%202024%20-%2008.xlsx</a>	0	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
640	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	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 examples.</p> <p>A. Describe the role of field engineers in the process to resolve an existing tag.</p>	Henry Swast	5/14/2024	5/28/2024	5/28/2024	<a href="https://www.pge.com/Portals/0/Utilities/Utilities/CPUC/CPUC%20-%202024%20-%20Wildlife%20Mitigation%20-%20Supplemental%20Information%20to%20Request%20for%20Bid%20-%20Final%20-%202024%20-%2009.xlsx">https://www.pge.com/Portals/0/Utilities/Utilities/CPUC/CPUC%20-%202024%20-%20Wildlife%20Mitigation%20-%20Supplemental%20Information%20to%20Request%20for%20Bid%20-%20Final%20-%202024%20-%2009.xlsx</a>	0	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
641	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	10	CPUC - SPD (Safety Policy Division)_014_010	<p>Discuss the process for updating the Distribution Inspection Job Aid.</p> <p>A. What is the process?</p> <p>B. Who has final say?</p> <p>C. Which technical staff (structural practitioners) or structural engineers reviewed the job aid?</p> <p>D. Provide meeting notes from meetings discussing the Job Aid.</p> <p>E. Provide meeting notes from meetings discussing changes to Job Aid from the Wildlife Steering 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.pge.com/Portals/0/Utilities/Utilities/CPUC/CPUC%20-%202024%20-%20Wildlife%20Mitigation%20-%20Supplemental%20Information%20to%20Request%20for%20Bid%20-%20Final%20-%202024%20-%20010.xlsx">https://www.pge.com/Portals/0/Utilities/Utilities/CPUC/CPUC%20-%202024%20-%20Wildlife%20Mitigation%20-%20Supplemental%20Information%20to%20Request%20for%20Bid%20-%20Final%20-%202024%20-%20010.xlsx</a>	8	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-09 Discusses in Detailed Distribution Inspections



650	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_07	7	CPUC - SPD (Safety Policy Division)_016_07	<p>Mitigation Effectiveness</p> <p>a. Regulate use of the WBCA tool to incorporate cost effectiveness components, liability considerations, and location-specific mitigation effectiveness calculations, as described in the 2023 WMP Update on page 51, to all mitigations which will employ location-specific mitigation effectiveness calculations when WBCA is adopted, with the WMP Update Activity name and Safety Impact Tracking ID code.</p> <p>b. Provide the data used to create "At-Risk" PG&amp;E-23-05-2.</p> <p>c. SPD expects to use a CP&amp;E-based tool to risk and the expected mitigation effectiveness for each driver.</p> <p>d. The data should include the CP&amp;E data aggregated up to the level of the Table A02-PG&amp;E-23-05-2 and an explanation for how it occurs.</p> <p>e. The data should include and explain the risk for the critical event as aggregated and an explanation for how it occurs.</p> <p>f. Provide the data used to determine which mitigation effectiveness.</p> <p>g. Another competing factor is PG&amp;E's heavily forested service territory in the highest wildfire risk portions of High Fire Threat Districts (HTD). It is important to understand the 2023 WMP Update on page 51, to all mitigations which will employ location-specific mitigation effectiveness calculations when WBCA is adopted, with the WMP Update Activity name and Safety Impact Tracking ID code.</p> <p>h. Explain how the pattern has impacted modeling of WDRM.</p> <p>i. Explain how the pattern of WDRM risk associated with these data.</p> <p>j. Provide the percentage of WDRM risk associated with these data.</p> <p>k. Explain how the risk flow of the data is in use of these data compared to WDRM v4 and v5.</p> <p>l. Explain how the criteria compare to classification of whether in both FPI v4.0 and v5.0 is a critical or R4 or for another "Why not?"</p> <p>m. Explain how the criteria corrects to whether that would result PG&amp;E's use of PSPF event.</p> <p>n. Provide a list of all CPUC-responsible systems for each year from 2014 through 2023, 2024 that occurred during that flag conditions. Provide the data in the format as the CPUC's template system. Template should include years to CPUC, and an additional column indicating if the system was in (1) Tier 2, (2) Tier 3, (3) PFRA.</p> <p>o. Provide the number of critical risk days in an annual basis that meet the "Red Flag" conditions criteria starting in 1980 (or the first year PG&amp;E 35-year meteorology data used) through April 30, 2024.</p> <p>p. Provide the number of critical risk days per year expected to meet the "Red Flag" conditions criteria based on PG&amp;E's modeling.</p> <p>q. For PG&amp;E's response to BDRM, Date Request No. 3_02, PG&amp;E states that the additional explanation provided of day and model over the predictive deductive condition. Explain.</p> <p>r. Discuss if this is related to the predictive deductive condition already being predicted on an RFI firewall.</p>	Henry Sweet	5/30/2024	6/30/2024	6/30/2024	<p><a href="https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update">https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update</a></p> <p><a href="https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update">https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update</a></p> <p><a href="https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update">https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update</a></p>	2	NA	11.4	Appendix D - Assess for Continued Improvement	11.4 ACI PG&E-23-05 Update Grid Metering Division Meeting
651	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_08	8	CPUC - SPD (Safety Policy Division)_016_08	<p>Provide additional information on the criteria for "Red Flag" Conditions - it appears that PG&amp;E also refers to them as "dry year" conditions (last page 10) of 2023 WMP Update and PG&amp;E's response to BDRM, Date Requested 3_02.</p> <p>a. Describe the terminology - are there synonyms? Explain why if not.</p> <p>b. Explain how the pattern has impacted modeling of WDRM.</p> <p>c. Provide the percentage of WDRM risk associated with these data.</p> <p>d. Explain how the risk flow of the data is in use of these data compared to WDRM v4 and v5.</p> <p>e. Explain how the criteria compare to classification of whether in both FPI v4.0 and v5.0 is a critical or R4 or for another "Why not?"</p> <p>f. Explain how the criteria corrects to whether that would result PG&amp;E's use of PSPF event.</p> <p>g. Provide a list of all CPUC-responsible systems for each year from 2014 through 2023, 2024 that occurred during that flag conditions. Provide the data in the format as the CPUC's template system. Template should include years to CPUC, and an additional column indicating if the system was in (1) Tier 2, (2) Tier 3, (3) PFRA.</p> <p>h. Provide the number of critical risk days in an annual basis that meet the "Red Flag" conditions criteria starting in 1980 (or the first year PG&amp;E 35-year meteorology data used) through April 30, 2024.</p> <p>i. Provide the number of critical risk days per year expected to meet the "Red Flag" conditions criteria based on PG&amp;E's modeling.</p> <p>j. For PG&amp;E's response to BDRM, Date Requested No. 3_02, PG&amp;E states that the additional explanation provided of day and model over the predictive deductive condition. Explain.</p> <p>k. Discuss if this is related to the predictive deductive condition already being predicted on an RFI firewall.</p>	Henry Sweet	5/30/2024	6/12/2024	6/12/2024	<p><a href="https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update">https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update</a></p> <p><a href="https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update">https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update</a></p> <p><a href="https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update">https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update</a></p>	1	NA	6	6.0 Risk Methodology and Assessment	6.2 Risk and Risk Component Identification
652	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_09	9	CPUC - SPD (Safety Policy Division)_016_09	<p>Answer the following with regards to O&amp;C or system responses.</p> <p>a. Provide the procedures for QA and QC for all System Inspections for transmission and distribution assets.</p> <p>b. Provide the procedures for installed equipment (series and ground) distribution and transmission assets.</p> <p>c. Describe what is in a Critical Asset Risk, and how that differs from other types of findings - for Distribution QA the other finding types are to be classified as "High," "Medium," and "Low," as per the WMP-Discovery/2023-0223_DR_Calendarization_039-0001A0101.xlsx. Provide examples.</p> <p>d. Explain what O&amp;C would have different criteria for evaluation and discuss how the materials in the past year. For instance, when would an inspection date QA and QC and discuss how.</p> <p>e. Explain why O&amp;C would not result in a new EC tag. Provide examples. See column I of WMP-Discovery/2023-0223_DR_Calendarization_039-0001A0101.xlsx for reference.</p> <p>f. Define "Critical" of WMP-Discovery/2023-0223_DR_Calendarization_039-0001A0101.xlsx.</p> <p>g. Explain why some findings identified during O&amp;C/inspections classified as "High" when otherwise "Critical Asset" and others are not?</p> <p>h. Referencing WMP-Discovery/2023-0223_DR_Calendarization_039-0001A0101.xlsx, justify why the finding in Row 4 is not considered a Critical Asset, whereas the finding in Row 14 is considered a Critical Asset. Discuss why the finding in Row 4 is not a Critical Asset considering (1) the two rows have the same identified description, finding, reason, broken, damaged, or loose. (2) the risk rank and PT) risk for the same issue Column I through III, but (3) the finding in Row 4 is a Priority 2 whereas the finding in Row 14 is a Priority 1, respectively since (1) implies that Row 4 was more time and effort to resolve than Row 14.</p>	Henry Sweet	5/30/2024	6/4/2024	6/4/2024	<p><a href="https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update">https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update</a></p> <p><a href="https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update">https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update</a></p> <p><a href="https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update">https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update</a></p>	5	NA	8	Section 8.1.3 - Asset Inspection	8.1.3 Asset Inspections
653	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_10	10	CPUC - SPD (Safety Policy Division)_016_10	<p>For each year from 2020 through 2023, and January 1, 2024, through April 30, 2024, and for each work order (work year):</p> <p>a. Provide a list and examples of all cause categories used when cancelling work orders.</p> <p>b. Provide the number of cancelled work orders for each priority work order under each cause category.</p> <p>c. Provide the number of cancelled work orders for each priority work order under each cause category that was cancelled after the due date.</p> <p>d. Provide the number of cancelled work orders for each priority work order under each cause category that was cancelled by another work order under each cause category and the priority to be re-assigned.</p> <p>e. Provide the number of cancelled work orders for each priority work order which was cancelled because the work order was no longer considered necessary for reasons. PG&amp;E has referenced the criteria for options submitted to customers (may have changed).</p> <p>f. For this case, explain how PG&amp;E is actively attempting to identify these work orders and streamline the process for assessing them. How many does PG&amp;E anticipate remain in the backlog?</p>	Henry Sweet	5/30/2024	6/12/2024	6/12/2024	<p><a href="https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update">https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update</a></p> <p><a href="https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update">https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update</a></p> <p><a href="https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update">https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update</a></p>	1	NA	8	Section 8.1.7 - Open Work Orders	8.1.7.2 Open Work Orders - Distribution Tags
653	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_10(b)	10(b)	CPUC - SPD (Safety Policy Division)_016_10(b)	<p>Provide the data table below. Court of notification Column Labels</p> <p>How 2.8 if it is "Closed" Tag?</p> <p>a. A replacement to our initial response of June 10, 2024, please see the response below which provides the requested information for Priority 1 and 2 overhead distribution tags. This information was not included in the initial response as we needed additional time to gather and quality control the data.</p> <p>b. Please see the table below: WMP-Discovery/2023-0223_DR_SPD_016-0210(b)Page 2</p> <p>c. Provide the data table below. Court of notification Column Labels</p> <p>How 2.8 if it is "Closed" Tag?</p> <p>d. A replacement to our initial response of June 10, 2024, please see the response below which provides the requested information for Priority 1 and 2 overhead distribution tags. This information was not included in the initial response as we needed additional time to gather and quality control the data.</p> <p>e. Please see the table below: WMP-Discovery/2023-0223_DR_SPD_016-0210(b)Page 2</p> <p>f. Provide the data table below. Court of notification Column Labels</p> <p>How 2.8 if it is "Closed" Tag?</p> <p>g. A replacement to our initial response of June 10, 2024, please see the response below which provides the requested information for Priority 1 and 2 overhead distribution tags. This information was not included in the initial response as we needed additional time to gather and quality control the data.</p> <p>h. Please see the table below for the requested information for Priority 1 tags. Court of Notification No Column Labels</p> <p>i. Please see the table below for the requested information for Priority 2 tags. Court of Notification No Column Labels</p> <p>j. Please see the table below for the requested information for Priority 3 tags. Court of Notification No Column Labels</p> <p>k. Please see the table below for the requested information for Priority 4 tags. Court of Notification No Column Labels</p> <p>l. Please see the table below for the requested information for Priority 5 tags. Court of Notification No Column Labels</p> <p>m. Please see the table below for the requested information for Priority 6 tags. Court of Notification No Column Labels</p> <p>n. Please see the table below for the requested information for Priority 7 tags. Court of Notification No Column Labels</p> <p>o. Please see the table below for the requested information for Priority 8 tags. Court of Notification No Column Labels</p> <p>p. Please see the table below for the requested information for Priority 9 tags. Court of Notification No Column Labels</p> <p>q. Please see the table below for the requested information for Priority 10 tags. Court of Notification No Column Labels</p> <p>r. Please see the table below for the requested information for Priority 11 tags. Court of Notification No Column Labels</p> <p>s. Please see the table below for the requested information for Priority 12 tags. Court of Notification No Column Labels</p> <p>t. Please see the table below for the requested information for Priority 13 tags. Court of Notification No Column Labels</p> <p>u. Please see the table below for the requested information for Priority 14 tags. Court of Notification No Column Labels</p> <p>v. Please see the table below for the requested information for Priority 15 tags. Court of Notification No Column Labels</p> <p>w. Please see the table below for the requested information for Priority 16 tags. Court of Notification No Column Labels</p> <p>x. Please see the table below for the requested information for Priority 17 tags. Court of Notification No Column Labels</p> <p>y. Please see the table below for the requested information for Priority 18 tags. Court of Notification No Column Labels</p> <p>z. Please see the table below for the requested information for Priority 19 tags. Court of Notification No Column Labels</p> <p>aa. Please see the table below for the requested information for Priority 20 tags. Court of Notification No Column Labels</p>	Henry Sweet	5/30/2024	6/12/2024	6/12/2024	<p><a href="https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update">https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update</a></p> <p><a href="https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update">https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update</a></p> <p><a href="https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update">https://www.pge.com/energy/our-business/energy-safety/energy-safety-2023-wmp-update</a></p>	0	NA	8	Section 8.1.7 - Open Work Orders	8.1.7.2 Open Work Orders - Distribution Tags

654	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 handled.</p> <p>a. If there is an area selected for bundling, explain whether all or only a partial set of work orders is addressed in a bundling project.</p> <p>b. How do the remaining work orders not addressed by the bundled project get addressed?</p> <p>c. Are there different types of bundling projects?</p> <p>d. How do the projects differ from the bundling?</p> <p>e. How are work orders near their completion deadline handled when bundled?</p> <p>f. Would bundling work orders result in the need to expedite their due date if they are part of a bundling project in process which has a later overall due date?</p> <p>g. How are work orders created for bundling projects, or are the existing work orders used?</p> <p>h. How would a situation be addressed where a contractor faced with a bundling project finds multiple work orders already completed due to past work, such as emergency storm work, but were erroneously included in the bid?</p> <p>i. Would PG&amp;E still pay for the work, or would the contractor need payment, or to be issued the contractor not charge for the work orders erroneously included in the bid?</p>	<p>The remaining notifications will be addressed during the annual work planning cycle.</p> <p>The work orders are made up of planned bundling projects which cover to bundling jobs and non-pole priority E and F overhead HT/D and EC notifications, other bundling or an area, as well as other possible with other notification types. If an area consists of both HT/D and non-HT/D notifications, the non-HT/D notifications may not be addressed within the bundling project. In addition, a bundled notification may not be associated with the bundle if there are external constraints, for instance customer access or permitting requirements that are unique to only a small portion of the bundle some of the notifications might be removed from the bundle to allow execution of the rest of the notifications.</p> <p>The bundling projects are made up of bundling projects consisting of the following:</p> <p>Circuit-level bundles are usually much larger consisting of over 100 notifications and include multiple swaths to execute while isolation zone bundles are smaller and are executed in one to a few days typically.</p> <p>Circuit-level bundles are project managed while single isolation zone bundles are managed within the division and related work orders.</p> <p>The majority of the circuit-level bundles are resourced by contract partners while single isolation zone bundles are resourced through the normal work and resource planning process.</p> <p>Circuit-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.</p> <p>Bundles are developed through PG&amp;E's annual planning process and are prioritized based on risk reduction and feasibility with an emphasis on bundling jobs and non-pole priority E and F overhead HT/D/HT/RA EC notifications. With increased HT/RA/EC notifications, bundles are developed with the lowest possible cost of activities made available.</p>	Henry Swast	5/30/2024	6/4/2024	6/4/2024	<a href="https://www.pge.com/Pages/WorkOrders/WorkOrders.aspx?tabid=216">https://www.pge.com/Pages/WorkOrders/WorkOrders.aspx?tabid=216</a>	0	NA	8	Section 8.1.7 - Open Work Orders	8.1.7.2 Open Work Orders - Distribution Tags	
655	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 Fall Start for addressing work orders?</p> <p>a. What factors are the main factors for a fall start?</p>	<p>PG&amp;E is completing the response per clarification from the Safety Policy Division that "take start" are situations when job crew 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 4A, PG&amp;E's schedule adherence rate for January 2024 to June 30, 2024, is 95%. 2,297 units were completed, and 10,875 units were not completed. Of the 10,875 units not completed, 1,075 units (10%) is the rate of the units that would be considered not completed due to take start.</p> <p>From this year's data, the most common factors for a fall start are:</p> <p>Additional time required (unforeseen field conditions) (2.5%)</p> <p>Clearance not set (1.1%)</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 (0.9%)</p> <p>Contractor field decision not to work (0.9%)</p> <p>Overall, 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 not being able to complete the work as scheduled.</p>	Henry Swast	5/30/2024	6/13/2024	6/13/2024	<a href="https://www.pge.com/Pages/WorkOrders/WorkOrders.aspx?tabid=216">https://www.pge.com/Pages/WorkOrders/WorkOrders.aspx?tabid=216</a>	0	NA	8	Section 8.1.7 - Open Work Orders	8.1.7.2 Open Work Orders - Distribution Tags	
656	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	13	CPUC - SPD (Safety Policy Division)_016_013	<p>The following conditions reference information from the provided in response to the previous Data Request CPUC - SPD (Safety Policy Division)_004</p> <p>a. Provide an updated version of "WMP-Discovery2023_DR_SPD_016-Q014AS01" that includes the data from 2023 and any adjustments since the previous submission made to update data in previous years by PG&amp;E. b. "WMP-Discovery2023_DR_SPD_016-Q014AS01" indicates 49 CPUC-responsible ignitions occurred during R3, R4, or R5 (RA) conditions in 2022. The spreadsheet also notes in 2022 there were 3,472,209 Overhead Circuit Mile Days (CMDs) in R3, R4 or R5 conditions. Dividing 49 ignitions by 3,472,209 CMDs (100,000 means an ignition rate of 1.41 ignitions per 100,000 CMD R3-R5 conditions). The DSM indicated a response graph which indicates the ignition rate was 1.03 when SPD assessments were produced by PG&amp;E (see Figure 3 on page 6 of the Q1 2024 DSM report, available at PG&amp;E Inspection Safety Report (ISR) link). The net ignition rate after (the rate also appears to differ from other ignition rates compared in the following table), but appear to have similar units and presumably the same methodology or data source over the other. Do explain the discrepancy, and if there was a different methodology or data source.</p> <p>c. Discuss the difference and the advantages of one methodology or data source over the other. Data supplied to CPUC - CPUC-SPD (Safety Policy Division)_004</p> <p>FFI Ignition Rate R3 R4 R5 Total (RA) 2022 2023 Ignitions Total 0 42 141 Ignitions in HT/D/HT/RA 21</p>	<p>PG&amp;E is internal methodology for calculating the results of the results from 2022 yield 0.55 R3-R5 ignitions per circuit mile. The values slightly from the DSM analysis where the cumulative circuit mile days used as the denominator represented the total number of circuit miles in R3 conditions calculated at the Five Index Area (FIA) level. PG&amp;E's internal methodology uses the cumulative circuit mileage associated with an FFI value calculated for each circuit mile in a given geographic area.</p> <p>The circuit-specific circuit mileage data was unavailable at the time of the DSM's analysis.</p> <p>PG&amp;E's internal approach of calculating the ignitions and cumulative circuit miles associated with the FFI calculated for each independent circuit mile greater and better representation of the risk associated (in terms of high FFI ignitions in safety places) versus the exposure for that risk in that period. In addition, the circuit-level values better align with our operational obligations (for example, when we would initiate EPSS protection).</p>	Henry Swast	5/30/2024	6/4/2024	6/4/2024	<a href="https://www.pge.com/Pages/WorkOrders/WorkOrders.aspx?tabid=216">https://www.pge.com/Pages/WorkOrders/WorkOrders.aspx?tabid=216</a>	0	NA	8	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increases in Risk Events
657	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 Wireless Risk Mitigation Consortium (iwrmc.com). Provide all presentations from that conference and provide the Conference program/agenda.</p>	<p>The International Wireless Risk Mitigation Consortium 2024 Annual Conference agenda is provided here: <a href="https://www.iwrmc.com/2024-annual-conference-agenda/">https://www.iwrmc.com/2024-annual-conference-agenda/</a></p> <p>Please see below table for presentations made by PG&amp;E employees and which are attached to this response. Agenda Item: The Attachment Name</p> <p>Learning with LADAR to Identify a Major Risk Associated with Low Hanging Communication Lines WMP-Discovery2023_DR_SPD_016-Q014AN01CONRF.pdf</p> <p>Panel Discussion &amp; Roundtable Q&amp;A: EPSS Evacuation PG&amp;E Wireless Risk Models - Overview &amp; Incorporation of Gaps, Degradation, and Internal Resources WMP-Discovery2023_DR_SPD_016-Q014AN02CONRF.pdf</p> <p>Panel Discussion: Vulnerability WMP-Discovery2023_DR_SPD_016-Q014AN03CONRF.pdf</p> <p>Panel Discussion: Resilience WMP-Discovery2023_DR_SPD_016-Q014AN04CONRF.pdf</p> <p>PG&amp;E 2024 Vigilance Management WMP-Discovery2023_DR_SPD_016-Q014AN05CONRF.pdf</p>	Henry Swast	5/30/2024	6/4/2024	6/4/2024	<a href="https://www.pge.com/Pages/WorkOrders/WorkOrders.aspx?tabid=216">https://www.pge.com/Pages/WorkOrders/WorkOrders.aspx?tabid=216</a>	0	NA	8	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increases in Risk Events
657	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	14b	CPUC - SPD (Safety Policy Division)_016_014b	<p>SPD understands PG&amp;E recently attended the 2024 Annual Conference   International Wireless Risk Mitigation Consortium (iwrmc.com). Provide all presentations from that conference and provide the Conference program/agenda.</p>	<p>Here is a copy of the IWRMC Admittable Conference agenda that we can share with you. Unfortunately, the presentations made during the conference are all proprietary to the individual companies that presented them. We are precluded by NDA from releasing them to you non-member only.</p> <p>EC Source and our partner firms are deeply committed and proud to be associated with the International Wireless Risk Mitigation Consortium (IWRMC). Over the past 4 years, we have been bringing the safety capabilities, capabilities, engineering firms and technology vendors, as well as key external stakeholders such as Universities, Emergency Response, Land Management, Forestry and other agencies, together to address the existential threat of wildfire and broader climate change.</p> <p>The mission of the program is to accelerate learning and sharing of best practices among industry participants, to gather and share research, ideas, strategies and experiences from around the world, and to focus the activities and initiatives of program members on those areas and challenges that offer the greatest leverage in effectively and economically reducing wildfire risk.</p> <p>We believe that Regulations and sound regulation are critically important to enabling the industry to successfully navigate the risks of climate change. We would be pleased to share risk mitigation information about the program with SPD if you wish for PG&amp;E to facilitate scheduling this discussion.</p> <p>Please let us know if you have any questions or if you wish to be added to our mailing list.</p> <p>Dear SPD,</p>	Henry Swast	5/30/2024	6/7/2024	6/7/2024	<a href="https://www.pge.com/Pages/WorkOrders/WorkOrders.aspx?tabid=216">https://www.pge.com/Pages/WorkOrders/WorkOrders.aspx?tabid=216</a>	1	NA	8	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increases in Risk Events
658	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 8.1.3.4 of "The Risk, 2024-01-15-004, PG&amp;E 2023-2024, Wireless Mitigation Plan, Revision 3.rpt"</p> <p>a. Provide summary statistics for the pole loading calculations already performed including:</p> <p>i. Number of pole loading calculations performed on HT/D</p> <p>ii. Number of pole loading calculations remaining on HT/D</p> <p>iii. 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 HT/D</p> <p>iv. Number of poles where the calculated safety factor was less than the safety factor specified by GO-95, Rule 44.2 in the HT/D</p> <p>v. Number of poles where the calculated safety factor was less than the safety factor specified by GO-95, Rule 44.3 in the HT/D despite no strength deterioration being incorporated into the calculation.</p> <p>vi. Number of poles where the calculated safety factor was less than the safety factor specified by GO-95, Rule 44.3 in the HT/D despite no strength deterioration being incorporated into the calculation.</p> <p>vi. Provide the same information for poles not located in the HT/D</p> <p>b. Provide an updated completion date for the program for both HT/D and non-HT/D areas.</p> <p>c. Risk 44.1: Discuss Ignite root causes.</p> <p>d. Discuss how the information related to the pole loading assessment is profiled to react upon presentation.</p> <p>e. Provide the leading criteria used for the pole loading assessments.</p> <p>f. Describe how the pole loading assessments incorporate the various inspection data from the Pole Test and Treat program, and how the Pole Test and Treat program will incorporate the pole loading data when performing inspections.</p> <p>g. Describe how the pole loading assessments incorporate observations from system inspections, such as leaning or damaged poles.</p> <p>h. Describe PG&amp;E's actions when the calculated safety factor for a pole is less than the safety factor specified by GO-95, Rule 44.1, Table 4 and especially when the calculated safety factor for a pole is less than the safety factor specified by GO-95, Rule 44.3.</p> <p>i. Discuss calculations performed on resources and conductors, and provide similar data as requested in part (a).</p> <p>j. Provide "WMP-Discovery2023_DR_SPD_016-Q014AS01" if you have any data on pole loading calculations that do not include a pole loading calculation with a down pole.</p> <p>k. Provide how the results from both traditional and non-traditional methods are calculated and incorporated into the assessment.</p>	<p>The Pole Loading Assessment (PLA) Program began in 2020 and conducted a design-based assessment of the pole loading by utilizing the pole attributes from EDGIS and LADAR data. The PLA Program is above and beyond the requirements of Rule 44, but is not a substitute for the current state of the Pole Loading Program. It is a new initiative for reconstruction or reconstruction Pole Loading Calculation (PLC). PG&amp;E is performing proactive pole loading assessments to reconstruction and replacement of poles.</p> <p>The PLA design-based assessments are performed by a team of data analysts. These assessments highlighted higher risk areas for further engineering attention. The higher risk areas are currently being prioritized for a comprehensive engineering analysis (which includes field validation, where needed). Once this analysis is completed, we will have the Safety Factors (SF) for the poles.</p> <p>The PLA Program completed design-based assessments on approximately 530,000 poles in HT/D areas. The pole loading for the remaining poles in HT/D areas has been assessed through other programs, such as system benchmarking.</p> <p>The poles are remaining on HT/D areas for the PLA Program.</p> <p>PG&amp;E is currently performing higher data for a comprehensive engineering analysis (which includes field validation, where needed). The SFs are not yet available but will be available after the analysis is complete.</p> <p>Please see the response to subpart (a) above which explains our process and why the requested information is not yet available.</p> <p>Please see the response to subpart (a) above which explains our process and why the requested information is not yet available.</p> <p>Please see the response to subpart (a) above which explains our process and why the requested information is not yet available.</p> <p>Please see the response to subpart (a) above which explains our process and why the requested information is not yet available.</p> <p>PG&amp;E has no started assessing poles in non-HT/D areas.</p> <p>PG&amp;E has no started assessing poles in non-HT/D areas. An added in subpart (a), PG&amp;E has no started assessing poles in non-HT/D areas.</p>	Henry Swast	5/30/2024	6/13/2024	6/13/2024	<a href="https://www.pge.com/Pages/WorkOrders/WorkOrders.aspx?tabid=216">https://www.pge.com/Pages/WorkOrders/WorkOrders.aspx?tabid=216</a>	1	NA	8	Section 8.1.3 - Asset Inspection	8.1.3.2.4 LADAR Based Pole Loading Assessments	
659	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, 5, 6, 9 of the presentation to the Risk Management Committee presented on October 12, 2023 (sent to SPD as "WMP-Discovery2023_DR_SPD_016-Q014AS01CONRF")</p>	<p>Please see attachment "WMP-Discovery2023_DR_SPD_016-Q014AS01" for the requested information.</p>	Henry Swast	5/30/2024	6/13/2024	6/13/2024	<a href="https://www.pge.com/Pages/WorkOrders/WorkOrders.aspx?tabid=216">https://www.pge.com/Pages/WorkOrders/WorkOrders.aspx?tabid=216</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-09 Discuss in Detailed Distribution Inspections	

660	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	17	CPUC - SPD (Safety Policy Division)_016_017	CONFIDENTIAL - This inspection refers to the table labeled "AD Population: B-Fed Rates" on slide 29 of the presentation to the Wildlife Risk Governance Committee presented on October 12th, 2023, used to SPD's "Wildlife Discovery 2023-2025_DR_SPD_014-016(AMN)CONF". Provide an explanation of the table. Specifically discuss the difference between a CRT aligned B tag versus those found by an aerial inspection. a. Provide an explanation of the table. b. Define a "CRT aligned B tag" and discuss the difference between a CRT aligned B tag versus those found by an aerial inspection. c. Provide the actual numbers of tags identified by Ground and Aerial inspections in the table. d. Provide the unique number of tags identified by Aerial (i.e. those tags not identified by Aerial and not identified by Ground inspections) in the table. e. For "Concern Documented/Not", the table entry that of the 53 B-tags found in the sample, that Aerial Inspectors identified 25-75% of the B-tags and that Ground Inspectors identified 25-75% of the B-tags? Does this mean a minimum of 13, and a maximum of 26 of the 53 tags were identified by Ground and not identified by Aerial? f. What are the metrics used for the ratio?	Henry Swast	5/30/2024	6/1/2024	6/1/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 43-29 Decrease in Detailed Distribution Inspections
661	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017	1	CPUC - SPD (Safety Policy Division)_017_021	SPD understands PG&E has updated its EPSS embedded criteria since publishing FIGURE PG&E 1.8.2 in the EPSS 2023-2025 Wildlife Mitigation Plan per page 133 of PG&E 2025 WMP Update. Please provide updated WMP update to FIGURE PG&E 1.8.2 and discuss the changes.	Henry Swast	6/19/2024	6/1/2024	6/1/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS
662	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017_022	2	CPUC - SPD (Safety Policy Division)_017_022	What did this change take effect?	Henry Swast	6/19/2024	6/1/2024	6/1/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS
663	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017_023	3	CPUC - SPD (Safety Policy Division)_017_023	Please provide a table which shows the number of Circuit Mile Days where EPSS is enabled for 2022 and 2023 for the criteria in FIGURE PG&E 1.8.2 as compared to the new criteria. Additionally, provide the expected number of Circuit Mile Days where EPSS will be enabled for both criteria for a typical year.	Henry Swast	6/19/2024	6/1/2024	6/1/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS
664	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017_024	4	CPUC - SPD (Safety Policy Division)_017_024	Discuss the reasons for the changes.	Henry Swast	6/19/2024	6/1/2024	6/1/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS
665	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017_025	5	CPUC - SPD (Safety Policy Division)_017_025	Compute the additional risk reduced (or increased) due to the changes in criteria. The computation should account for lower probability of finding FTI levels. Compute the additional risk reduced due to increased (or reduced) due to the detailed outages due to the change in criteria.	Henry Swast	6/19/2024	6/1/2024	6/1/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS
666	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017_026	6	CPUC - SPD (Safety Policy Division)_017_026	Provide the analysis referenced in ACI PG&E 23-28 which compares the risk associated with EPSS embedded thresholds, SPD understand the analysis shows a demonstration of risks only between reliability and wildfire risk. For all other "VM" inspection types, are inspectors able to document potential defects or issues found with trees not precluded for work as that PG&E may monitor the condition of those trees?	Henry Swast	6/19/2024	6/1/2024	6/1/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS
667	OEIS	022	OEIS_022	1	OEIS_022_01	Regarding Monitoring Potential Hazards Trees For Focus Tree Inspections, does One VM have the capability to document potential defects or issues found on aerial and ground inspections, or has that PG&E may monitor the condition of those trees? For all other "VM" inspection types, are inspectors able to document potential defects or issues found with trees not precluded for work as that PG&E may monitor the condition of those trees?	Brad Bell	6/1/2024	6/1/2024	6/1/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-19 Continued Progression of Vegetation Management
668	CaPA	Set WMP-49	CaPA_Set WMP-49	1	CaPA_Set WMP-49_01	How did PG&E come up with the 25 random numbers when it decided on the next 25 of 50 fast-track outages to be precluded?	Tyler Hochstadt	6/1/2024	6/27/2024	6/1/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS
669	OEIS	023	OEIS_023	1	OEIS_023_01	Regarding PG&E's distribution asset inspection initiatives and pilots: a. Provide the number of inspections performed and find of level 1 and 2 conditions from January 1, 2020, to December 31, 2023, for the following inspection initiative or pilot programs. If the inspection initiative or pilot program began after January 1, 2020, please specify the start date of the initiative in the response. i. LUDAR based pole loading assessments ii. Aerial inspections iii. Conductor measurement iv. Corona inspections v. Climbing climbing assessments vi. Diagnostic sampling and testing vii. LUDAR assessments viii. Climbing climbing assessments ix. Aerial inspections x. Conductor measurement xi. Corona inspections xii. Climbing climbing assessments xiii. Diagnostic sampling and testing xiv. LUDAR assessments xv. Climbing climbing assessments xvi. Aerial inspections	Nathan Poon	6/20/2024	7/1/2024	7/1/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	0	NA	8	Section 8.1.3 - Asset Inspection	Section 8.1.3 - Asset Inspection
670	OEIS	023	OEIS_023	2	OEIS_023_02	Regarding PG&E's transmission asset inspection programs and pilots: a. Provide the find of level 1 and 2 conditions and number of inspections performed from January 1, 2020, to December 31, 2023, for the following inspection initiative or pilot programs. If the inspection initiative or pilot program began after January 1, 2020, please specify the start date of the initiative in the response. i. Aerial inspections ii. Conductor measurement iii. Corona inspections iv. Climbing climbing assessments v. Diagnostic sampling and testing vi. LUDAR assessments vii. Climbing climbing assessments viii. Aerial inspections ix. Conductor measurement x. Corona inspections xi. Climbing climbing assessments xii. Diagnostic sampling and testing xiii. LUDAR assessments xiv. Climbing climbing assessments xv. Aerial inspections	Nathan Poon	6/20/2024	7/1/2024	7/1/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	0	NA	8	Section 8.1.3 - Asset Inspection	Section 8.1.3 - Asset Inspection
671	CaPA	Set WMP-50	CaPA_Set WMP-50	1	CaPA_Set WMP-50_01	The Filings Energy Partners' PG&E Independent Safety Monitor Status Update Report, October 6, 2023 (ISM Report) stated that there were 1,400 action items in the Multiple Change Review and Evaluation (MCRE) for 2022. However, in 2023 WMP data request CallRecords PG&E 2023WMP-34, Question 1, there are apparently 900 action items listed. Please explain the discrepancy.	Amenda Asadi	6/24/2024	7/9/2024	7/9/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	0	NA	8.1.8.1	Grid Operations and Procedures	Protective Equipment and Device Settings
672	CaPA	Set WMP-50	CaPA_Set WMP-50	2	CaPA_Set WMP-50_02	In response to Data request CallRecords-PGE-2023WMP-34, Question 1, PG&E states, "No additional action required" for 38 circuits in 2022. Please explain why no additional action was required.	Amenda Asadi	6/24/2024	7/9/2024	7/9/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS
673	CaPA	Set WMP-50	CaPA_Set WMP-50	3	CaPA_Set WMP-50_03	Data request CallRecords-PGE-2023WMP-34, Question 3, Attachments 1 and 2 show claims and complaints received from 5/19/2023 to 1/31/2023. Please provide an Excel sheet of claims and complaints filed to customers related to outages on circuits with EPSS settings enabled at the time of outage that were received in 2021, 2022, 7/1/2023 to 5/18/2023, 10/13/2023 to 1/31/2023. For each claim, provide the following information in separate columns: a) The Circuit name and ID associated with the complaint. b) Description of each complaint or claim. c) Resolution of each complaint or claim. d) Date date of each resolution. e) Actual completion date of each resolution.	Amenda Asadi	6/24/2024	7/9/2024	7/1/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	2	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS
674	CaPA	Set WMP-50	CaPA_Set WMP-50	301	CaPA_Set WMP-50_301	Data request CallRecords-PGE-2023WMP-34, Question 3, Attachments 1 and 2 show claims and complaints received from 5/19/2023 to 1/31/2023. Please provide an Excel sheet of claims and complaints filed to customers related to outages on circuits with EPSS settings enabled at the time of outage that were received in 2021, 2022, 7/1/2023 to 5/18/2023, 10/13/2023 to 1/31/2023. For each claim, provide the following information in separate columns: a) The Circuit name and ID associated with the complaint. b) Description of each complaint or claim. c) Resolution of each complaint or claim. d) Date date of each resolution. e) Actual completion date of each resolution.	Amenda Asadi	6/24/2024	7/9/2024	7/9/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS
675	CaPA	Set WMP-50	CaPA_Set WMP-50	4	CaPA_Set WMP-50_04	Provide an Excel spreadsheet of all distribution circuits in FTFO or High Fire Risk Areas (HFRAs), or sections of FTFO and HFRAs, including, starting as of January 1, 2020, that include the circuit name: a) Circuit name b) Date PG&E last updated EPSS settings on any of the circuit	Amenda Asadi	6/24/2024	7/9/2024	7/9/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS
676	CaPA	Set WMP-50	CaPA_Set WMP-50	5	CaPA_Set WMP-50_05	Data request CallRecords-PGE-2023WMP-34, Questions 9 and 10, PG&E states that Garberville 110 kV and Clear 110 kV had been identified as areas where EPSS settings were not updated to include wildfire risk while also providing reliability improvement benefits under EPSS embedded thresholds. PG&E provides an excel sheet of circuits that PG&E identified that might need proactive measures to address EPSS embedded thresholds. a) Please provide the criteria PG&E used to determine which circuits might need proactive measures to address EPSS embedded thresholds. b) Please provide the criteria PG&E used to determine which circuits might need proactive measures to address EPSS embedded thresholds.	Amenda Asadi	6/24/2024	7/1/2024	7/1/2024	<a href="https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf">https://www.gse.com/Files/Inspection/Confidential/2023/2023-2025_DR_SPD_014-016(AMN)CONF.pdf</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E 23-28 Evaluation and Reporting of Safety Impacts Relating to EPSS

676	CAFA	Sat WMP-50	CAFA_Sat WMP-50	6	CAFA_Sat WMP-50_06	<p>Provide an Excel table that lists (as rows) each sustained outage that occurred from January 1, 2021 through December 31, 2023 on any of the circuits identified in your response to Question 5 of data request CA/Arconics-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?</li> <li>e) PPA, PPA No Light</li> <li>f) Outage End Day &amp; Time</li> <li>g) CSED (Count of Customers Experiencing Sustained Outage)</li> <li>h) Customer Minutes</li> <li>i) Cause</li> </ul> <p>Provide any other information.</p>	<p>Please see "WMP-Discovery2023-2025_DR_CalArconics_055-0006A801.xlsx" for the requested information. Please note, column H indicates if the outage was sustained or non-sustained.</p>	Amenda Asadi	6/24/2024	7/9/2024	7/9/2024	<a href="https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-04">https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-04</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
677	CAFA	Sat WMP-50	CAFA_Sat WMP-50	7	CAFA_Sat WMP-50_07	<p>Provide an Excel table that lists (as rows) each momentary outage that occurred from January 1, 2021 through December 31, 2023 on any of the circuits identified in your response to Question 5 of data request CA/Arconics-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?</li> <li>e) PPA, PPA No Light</li> <li>f) Outage End Day &amp; Time</li> <li>g) CSED (Count of Customers Experiencing Sustained Outage)</li> <li>h) Customer Minutes</li> <li>i) Cause</li> </ul> <p>Provide any other information.</p>	<p>Please see "WMP-Discovery2023-2025_DR_CalArconics_055-0006A801.xlsx" for the requested information. Please note, column H indicates if the outage was sustained or non-sustained.</p>	Amenda Asadi	6/24/2024	7/9/2024	7/9/2024	<a href="https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-04">https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-04</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
678	CAFA	Sat WMP-50	CAFA_Sat WMP-50	8	CAFA_Sat WMP-50_08	<p>Provide an Excel table that lists (as rows) each sustained outage that occurred from January 1, 2021 through December 31, 2023 on the following circuits: SCE REFUGIO 1101, SCE VEGAS 1102, SCE TEJON TR 1101, SCE TENCHAP 1101, SCE MCARDLAND 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, VASONA 1102, NAPA 1110, PUEBLO 2104, BIG TREES 1004, LOS OSITOS 2101, LAS POSITAS 2103, LAS ARIZONAS 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) Was EPSS enabled on this circuit at the time of the outage?</li> <li>e) PPA, PPA No Light</li> <li>f) When was this circuit made EPSS-capable?</li> <li>g) CSED (Count of Customers Experiencing Sustained Outage)</li> <li>h) Customer Minutes</li> <li>i) Cause</li> </ul> <p>Provide any other information.</p>	<p>Please see "WMP-Discovery2023-2025_DR_CalArconics_055-0006A801.xlsx" for the requested information. Column H indicates if the outage was sustained or non-sustained.</p> <p>Please note, as the following circuits did not have outages, this table has not been included in the attachment. SCE VEGAS 1101, SCE TEJON TR 1101, SCE MCARDLAND 1101, PUEBLO 2104, As of July 2, 2024, these circuits have not been made EPSS-capable.</p>	Amenda Asadi	6/24/2024	7/9/2024	7/9/2024	<a href="https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-04">https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-04</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
679	CAFA	Sat WMP-50	CAFA_Sat WMP-50	9	CAFA_Sat WMP-50_09	<p>Provide an Excel spreadsheet of the following distribution circuits (as rows): SCE REFUGIO 1101, SCE VEGAS 1102, SCE TEJON TR 1101, SCE TENCHAP 1101, SCE MCARDLAND 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, VASONA 1102, NAPA 1110, PUEBLO 2104, BIG TREES 1004, LOS OSITOS 2101, LAS POSITAS 2103, LAS ARIZONAS 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) Was EPSS enabled on this circuit at the time of the outage?</li> <li>e) PPA, PPA No Light</li> <li>f) When was this circuit made EPSS-capable?</li> <li>g) CSED (Count of Customers Experiencing Sustained Outage)</li> <li>h) Customer Minutes</li> <li>i) Cause</li> </ul> <p>Provide any other information.</p>	<p>Please see "WMP-Discovery2023-2025_DR_CalArconics_055-0006A801.xlsx" for the requested information. Please note, column H indicates if the outage was sustained or non-sustained.</p>	Amenda Asadi	6/24/2024	7/9/2024	7/9/2024	<a href="https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-04">https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-04</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
680	CAFA	Sat WMP-50	CAFA_Sat WMP-50	10	CAFA_Sat WMP-50_10	<p>Provide an Excel spreadsheet of the following distribution circuits (as rows): SCE REFUGIO 1101, SCE VEGAS 1102, SCE TEJON TR 1101, SCE TENCHAP 1101, SCE MCARDLAND 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, VASONA 1102, NAPA 1110, PUEBLO 2104, BIG TREES 1004, LOS OSITOS 2101, LAS POSITAS 2103, LAS ARIZONAS 0401, ORINDA 0401, SPENCE 1101. 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) Chapter Log, Line Pathway Diagram</li> <li>e) Data PG&amp;E for advanced EPSS settings on any part of the circuit?</li> <li>f) Number of CPDs contained on the circuit</li> <li>g) Circuit SAIDI for 2016</li> <li>h) Circuit SAIDI for 2017</li> <li>i) Circuit SAIFI for 2016</li> <li>j) Circuit SAIFI for 2017</li> <li>k) Circuit MAIFI for 2016</li> <li>l) Circuit MAIFI for 2017</li> </ul> <p>Provide any other information.</p>	<p>Please see "WMP-Discovery2023-2025_DR_CalArconics_055-0006A801.xlsx" for the requested information.</p> <p>In addition to the circuits included in the attachment, please see the table below for Circuit IDs for the Circuits which did not have outages and were not provided to the attachment.</p> <p>Circuit Name Circuit ID SCE VEGAS 1102 0888701 SCE VEGAS 1101 2841101 SCE REFUGIO 1101 2811101 Pueblo 2104 04232104</p>	Amenda Asadi	6/24/2024	7/9/2024	7/9/2024	<a href="https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-04">https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-04</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
681	CAFA	Sat WMP-51	CAFA_Sat WMP-51	1	CAFA_Sat WMP-51_01	<p>Provide an Excel table that lists (as rows) each sustained outage that occurred from January 1, 2021 through December 31, 2023 on any of the circuits identified in your response to Question 5 of data request CA/Arconics-PGE-2023WMP-03, question 11 (CA/Arconics_2023-0711). PG&amp;E provided the following version of Table PG&amp;E-8.1.2-3 as of the April 5 table:</p> <p>MANAGE</p> <p>Based on the data only PG&amp;E made each of the following changes to Table PG&amp;E-8.1.2-3 in the three months from April 5, 2024 to July 5, 2024:</p> <ul style="list-style-type: none"> <li>a) In 2023, the total number of miles in the "Fire Related" category is 150 miles in the April 5 table, but 111 miles in the July 5 table.</li> <li>b) In 2024, the total number of miles in the "Top 20% Risk-Rated Circuit Segment" category is 204 miles in the April 5 table, but 180 miles in the July 5 table.</li> <li>c) In 2024, the total number of miles in the "Fire Related" category is 49 miles in the April 5 table, but 55 miles in the July 5 table.</li> <li>d) In 2024, the total number of miles in the "SPSP" category is 33 miles in the April 5 table, but 0 miles in the July 5 table.</li> <li>e) In 2024, the total number of miles in the "Other IG Programs" category is 2 miles in the April 5 table, but 0 miles in the July 5 table.</li> <li>f) In the two-year period from 2025 to 2026, the total number of miles in the "Top 20% Risk-Rated Circuit Segment" category is 195 miles in the April 5 table, but 711 miles in the July 5 table.</li> <li>g) In the two-year period from 2025 to 2026, the total number of miles in the "Fire Related" category is 44 miles in the April 5 table, but 41 miles in the July 5 table.</li> <li>h) In the two-year period from 2025 to 2026, the total number of miles in the "SPSP" category is 2 miles in the April 5 table, but 7 miles in the July 5 table.</li> </ul>	<p>As described in our WMP Section 8.1.2.2, PG&amp;E's underground workshop analyzes whether Project schedules can change because of project dependencies, such as permitting and easement delays. Further, the workshop evaluated to account for the 2023 QDR. Below describes the changes qualitatively made between when the worksheets were submitted between April 5 and July 5.</p> <ul style="list-style-type: none"> <li>a) The July 5 table incorporates miles from Greenlake Community Rebuild projects. These projects were inadvertently missing from all versions of the summary table since the July 5 version.</li> <li>b) The change was driven by seven project shifting schedules from 2024 to 2025 and one from 2024 to 2026.</li> <li>c) As with other shifts, the July 5 table incorporates miles from Greenlake Community Rebuild projects. These projects were inadvertently missing from all versions of the summary table prior to the July 5 version.</li> <li>d) The change was driven by two projects shifting schedules from 2024 to 2025.</li> <li>e) The primary driver in the reduction of miles for 2025-2026 is the need to align the workshop to the 2023-2026 GPC mileage targets. These changes include removing existing projects and adding new projects to the GPC risk reduction targets.</li> <li>f) The change was driven by three Rebuild project schedule changes between 2024 and 2025, and one project moved from 2024 to 2025, and another from 2025 to 2024, resulting in a net impact of increased miles in 2024 and reduced miles in 2025-2026.</li> <li>g) The change was driven by the same two projects described in subpart (b), plus one project being removed from the workshop.</li> <li>h) One four-year project from the April 5 table has been removed from the July 5 table, and 10 miles from eight projects were added. Of the 10 miles added, 11 miles are in calculations that were updated in a system of record for the associated projects.</li> <li>i) This change was driven by the same project described in subpart (g), as well as a single project that was missing from the table data at the time of the July 5 report creation. This will be updated in our system of record and will be included in future versions of the table.</li> </ul>	Holly Walzman	7/9/2024	7/12/2024	7/12/2024	<a href="https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-03">https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-03</a>	0	NA	8	Section 8.1.2 - Grid Design and System Hardening	8.1.2.1.2 Other grid topology requirements 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 QDR Confidential and Non-Confidential versions (including both spatial and non-spatial) via Klemens to SPD's Wildlife and Safety Performance Section.</p> <p>The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports wildfire conditions and wildfire mitigation measures that were open at the end of the reporting period. 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 send 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) Geographic latitude in decimal degrees, truncated to seven decimal places</li> <li>c) Geographic longitude in decimal degrees, truncated to seven decimal places</li> <li>d) Priority of the original notification, using PG&amp;E's internal priority level codes</li> <li>e) Object/structure code or other internal description of defect</li> <li>f) Process origin risk (Y/N)</li> <li>g) General Order ID/Exception General (Y/N)</li> <li>h) Circuit Segment Identification Number</li> <li>i) Area Date as of July 31, 2024 (Y/N)</li> </ul>	<p>Please find the requested 2024 Q2 QDR Spatial and Non-Spatial files attached to this response.</p> <p>OES Cover letter Q2 2024 Submission.pdf PG&amp;E_2024_Q2_Table1-13_R0.xlsx PG&amp;E_2024_Q2_SpatialData.xlsx PG&amp;E_2024_Q2_CONF.xlsx PG&amp;E_2024_Q2_RiskEventPhotos - Igitonics_CONF.zip PG&amp;E_2024_Q2_InitiativePhotos Log - Assent Inspections_CONF_1.zip PG&amp;E_2024_Q2_InitiativePhotos Log - Assent Inspections_CONF_2.zip PG&amp;E_2024_Q2_InitiativePhotos Log - Assent Inspections_CONF_3.zip PG&amp;E_2024_Q2_InitiativePhotos Log - Assent Inspections_CONF_4.zip</p> <p>Please see attachment "WMP-Discovery2023-2025_DR_CalArconics_052-0018A01.xlsx" for the requested information.</p> <p>The following table summarizes the information contained in the data.</p> <p>Column A-F, Table 13 (Columns): In the attachment to the QDR provides the original coding PG&amp;E's internal priority level. Column G (Inspection Date) in the attached dataset provides the current priority using PG&amp;E's subpart (j) in the attached dataset.</p> <p>Considers that some information is subject to subject to HFTD or PG&amp;E High Fire Area (HFA) are contained within a corresponding object/structure code and individual review during gatekeeping by the Confidential Inspection Team.</p> <p>Confidentiality: PG&amp;E has not identified maintenance tags that have been identified under maintenance tags under General Order (GO) 05, Rule 18. However, PG&amp;E has internally identified maintenance tags that have been identified under maintenance tags including those identified under GO 05, Rule 18, which have been noted in Column I (Inspection to support).</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>	Henry Swart	8/22/2024	8/6/2024	8/22/2024	<a href="https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-03">https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-03</a>	9	NA	QDR	NA	NA
683	CAFA	Sat WMP-52	CAFA_Sat WMP-52	1	CAFA_Sat WMP-52_01	<p>Provide an Excel table that lists (as rows) each sustained outage that occurred from January 1, 2021 through December 31, 2023 on any of the circuits identified in your response to Question 5 of data request CA/Arconics-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?</li> <li>e) PPA, PPA No Light</li> <li>f) Outage End Day &amp; Time</li> <li>g) CSED (Count of Customers Experiencing Sustained Outage)</li> <li>h) Customer Minutes</li> <li>i) Cause</li> </ul> <p>Provide any other information.</p>	<p>Please see "WMP-Discovery2023-2025_DR_CalArconics_055-0006A801.xlsx" for the requested information. Please note, column H indicates if the outage was sustained or non-sustained.</p>	Benjamin Katzenberg	8/19/2024	9/9/2024	9/9/2024	<a href="https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-04">https://www.gcp.com/portal/ops/ops/Outage-Details/CA/Arconics-PGE-2023WMP-04</a>	1	NA	QDR	NA	NA



684	CaPA	Set WMP-02	CaPA_Set WMP-02	2	CaPA_Set WMP-02_Q2	<p>The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up 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 provide a list of structures, assets, and facilities that may qualify as "other" in column B (Equipment type) of Table 13.</p>	<p>Transmission equipment included under "other" in Table 13, Column B includes the "object" types listed below in response to Question No. 001, subject(s) associated with the assets/components below:</p> <ul style="list-style-type: none"> <li>• Monitors</li> <li>• Tower foundations (including bay tower towers)</li> <li>• Hardware</li> <li>• Shield w/retrofit ground wire</li> <li>• Administrative guards</li> <li>• Damper</li> <li>• Spacers</li> <li>• Antennas</li> <li>• Antenna lighting and ballasts</li> <li>• Antenna guards</li> <li>• The wire</li> <li>• Cable tray protection</li> <li>• Cable tray</li> <li>• Clearance infractions</li> <li>• Lines</li> <li>• Distribution equipment included under "other" in Table 13, Column B includes the "object" types listed below in response to Question No. 001, subject(s) associated with the assets/components below:</li> <li>• High Sign</li> <li>• Tree View</li> <li>• Manhole</li> <li>• Hardware/Fitting</li> <li>• Modeling</li> <li>• Ground</li> <li>• OH Facility</li> <li>• Pole Step</li> <li>• Stop Protection</li> <li>• Stop Meter</li> </ul>	Benjamin Katzberg	8/19/2024	9/9/2024	9/9/2024	<a href="https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf">https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf</a>	0	NA	QDR	NA	NA
685	CaPA	Set WMP-02	CaPA_Set WMP-02	3	CaPA_Set WMP-02_Q3	<p>The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up 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 provide any thermal categories or codes you use to prioritize asset-related corrective notifications and work orders. For each thermal category, please provide:</p> <ol style="list-style-type: none"> <li>• Your naming convention and</li> <li>• The thermal code, and</li> <li>• 15 priority levels by which it connects.</li> </ol>	<p>The table below shows PGE's internal priority levels and thresholds, the corresponding General Order (GO) ID, Risk, 15 levels and repair deadline, and a description of the priority levels.</p>	Benjamin Katzberg	8/19/2024	9/9/2024	9/9/2024	<a href="https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf">https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf</a>	0	NA	QDR	NA	NA
686	CaPA	Set WMP-02	CaPA_Set WMP-02	4	CaPA_Set WMP-02_Q4	<p>The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up 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 provide an excel spreadsheet listing open work orders as of July 31, 2024, that were first created between May 20, 2019 and May 31, 2019.</p>	<p>Please see attachment "WMP-Discovery2024-2025_DR_CaPAAdvocacy_050-202404107.xlsx" for the requested information.</p> <p>The following notes provide additional context on data related to Transmission assets:</p> <ul style="list-style-type: none"> <li>• Notifications 128161436 and 128202024 were created in 2023 and 2024, respectively, but their associated Critical Incident (CI) notifications were not assigned a notification date (date when the condition was found in the field) from the original distribution.</li> <li>• Notification 114373737 was created for broken glass insulators and originally was created in 2024. The insulators it was reported in 2023 by a Hyperlinked insulators with a note stating that "insulators are considered as the whole components and cannot be changed out without the whole replacement".</li> </ul>	Benjamin Katzberg	8/19/2024	9/9/2024	9/9/2024	<a href="https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf">https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf</a>	1	NA	QDR	NA	NA
687	CaPA	Set WMP-02	CaPA_Set WMP-02	5	CaPA_Set WMP-02_Q5	<p>The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up 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 provide an excel spreadsheet listing work orders that were open as of May 31, 2016. If possible, provide the list in a format and including details consistent with Table 13 of your Q2 QDR. Some of the information requested in Table 13 is not available, please indicate:</p> <ol style="list-style-type: none"> <li>Priority of the original notification, using internal priority level codes for use at the time.</li> <li>Date on which the work order was created</li> <li>Notes on which the work order was created</li> </ol>	<p>Please see attachment "WMP-Discovery2024-2025_DR_CaPAAdvocacy_050-202404107.xlsx" for the requested information.</p>	Benjamin Katzberg	8/19/2024	9/9/2024	9/9/2024	<a href="https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf">https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf</a>	1	NA	QDR	NA	NA
688	CaPA	Set WMP-02	CaPA_Set WMP-02	6	CaPA_Set WMP-02_Q6	<p>The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up 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 provide a list of work orders closed in Q1 and Q2 of 2024 using the format and including details consistent with Table 13 of your Q2 QDR.</p>	<p>Please see attachment "WMP-Discovery2024-2025_DR_CaPAAdvocacy_050-202404107.xlsx" for the requested information.</p> <p>The following notes provide additional context on data for Transmission assets: Some work orders, including the three closed notifications that were created before 2019, were reopened temporarily for administrative reasons, such as de listing from order numbers or making other work orders to be notified. The period between reopening and closing was reported in 2024. These notifications received an SAP completion date on the original date.</p> <p>POGE does not have a SOP or final report of the distribution reviewed to provide an analysis of the work orders that were reopened. However, as a physical copy of the tickets is unavailable, however, please see "WMP-Discovery2024-2025_DR_CaPAAdvocacy_050-202404107.xlsx" for a copy of the presentation provided for each ticket and the associated work orders. Some were checked as well as guidance in completing accurately. The specific steps included in the SOP are as follows:</p>	Benjamin Katzberg	8/19/2024	9/9/2024	9/9/2024	<a href="https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf">https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf</a>	1	NA	QDR	NA	NA
689	CaPA	Set WMP-02	CaPA_Set WMP-02	7	CaPA_Set WMP-02_Q7	<p>The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up 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 provide the most recent version of your distribution infrastructure inspection checklist.</p>	<p>POGE is developing performance metrics to measure the effectiveness of the changes applied to the distribution infrastructure inspection procedure.</p> <p>POGE is analyzing the metrics, which include the volume of locations that have been evaluated, in addition to reviewing the volume of locations that failed in the field. The metrics will be used to evaluate the effectiveness of the changes. As the inspection procedure was recently updated in 2024, POGE does not yet have performance metrics until at least 2025. It allows for a minimum of one full year of data to be collected and analyzed.</p>	Benjamin Katzberg	8/19/2024	9/9/2024	9/9/2024	<a href="https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf">https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf</a>	1	NA	QDR	NA	NA
690	CaPA	Set WMP-02	CaPA_Set WMP-02	8	CaPA_Set WMP-02_Q8	<p>Do you use performance metrics to determine the effectiveness of the changes applied to your distribution infrastructure inspection procedure?</p> <p>If yes, please provide a list of the performance metrics including a brief description and how each metric is calculated/derived.</p> <p>If no, please explain how you validate the effectiveness of changes to your inspection process.</p>	<p>Yes, POGE uses performance metrics to determine the effectiveness of the changes applied to the distribution infrastructure inspection procedure. The metrics include the number of locations that have been evaluated, in addition to reviewing the volume of locations that failed in the field. The metrics will be used to evaluate the effectiveness of the changes. As the inspection procedure was recently updated in 2024, POGE does not yet have performance metrics until at least 2025. It allows for a minimum of one full year of data to be collected and analyzed.</p>	Benjamin Katzberg	8/19/2024	9/9/2024	9/9/2024	<a href="https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf">https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf</a>	0	NA	QDR	NA	NA
691	CaPA	Set WMP-02	CaPA_Set WMP-02	9	CaPA_Set WMP-02_Q9	<p>The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up data request seeks information for ALL open work orders in your territory, not only open work orders in High Fire Threat Districts.</p> <p>Do you use performance metrics to determine the effectiveness of your bundling approach to reevaluating open work orders as described in Article Letter 7107.617?</p> <p>If yes, please provide a list of the performance metrics including a brief description and how each metric is calculated/derived.</p> <p>If no, please explain how you validate the effectiveness of your bundling approach to reevaluation of open work orders.</p>	<p>Yes, POGE uses performance metrics to determine the effectiveness of the bundling approach to reevaluation of open work orders. The metrics include the number of locations that have been evaluated, in addition to reviewing the volume of locations that failed in the field. The metrics will be used to evaluate the effectiveness of the bundling approach. As the bundling approach was recently updated in 2024, POGE does not yet have performance metrics until at least 2025. It allows for a minimum of one full year of data to be collected and analyzed.</p>	Benjamin Katzberg	8/19/2024	9/9/2024	9/9/2024	<a href="https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf">https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf</a>	0	NA	QDR	NA	NA
692	CaPA	Set WMP-02	CaPA_Set WMP-02	10	CaPA_Set WMP-02_Q10	<p>The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up data request seeks information for ALL open work orders in your territory, not only open work orders in High Fire Threat Districts.</p> <p>In Table 13 of your Q2 QDR, there are 130 X legs which require completion within 7 days with an average of 29 days per day.</p> <p>Please explain why delay factors POGE has encountered in remediation of X legs.</p> <p>How does POGE intend to address delays in completing X legs?</p> <p>What have been POGE's average completion time for X legs in the first half of 2024?</p> <p>In other words, for all X legs closed in the first half of 2024, what was the average number of days open?</p>	<p>The following table shows the average completion time for X legs in the first half of 2024.</p> <p>POGE is currently working on addressing the delays in completing X legs. The average completion time for X legs in the first half of 2024 was 29 days.</p>	Benjamin Katzberg	8/19/2024	9/9/2024	9/9/2024	<a href="https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf">https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf</a>	1	NA	QDR	NA	NA
693	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_01	1	CPUC - SPD (Safety Policy Division)_019_01	<p>Evaluate why the median corrective action time for a Level 1 finding exceeded 1 day in table 2 of the 2024 QDR. (See metric: "Time between Level 1 asset inspection finding and resulting maintenance activity" which includes - metrics values 2.2 to 13.4.)</p>	<p>There are several reasons why a median corrective action time for a Level 1 finding could exceed one day. Some examples of delays are discussed below.</p> <p>POGE will immediately respond to all Level 1 (A priority) notifications and immediately repair the condition fully or temporarily, not to exceed the next day.</p> <p>In situations where immediate resolution is not possible, POGE will continuously monitor the work order and ensure that the associated notification will be closed as soon as possible following initial mitigation. Closure of a notification will take place after the work has been verified with applicable documentation and photo evidence obtained from the field.</p> <p>Additionally, night emergency work and occasionally stay open until the next day when repair cannot be completed during the day.</p> <p>Also, the Level 1 condition was temporarily mitigated for more than one week. This could exceed one day for ongoing work still needing to be addressed.</p> <p>Finally, some notifications reported in the Quarterly Data Report (QDR) originated at Level 2 or 3 and later were escalated to Level 1. For example, through field safety assessments. Since the threshold for the original priority levels was higher, the time between the initial report of the condition and the resulting maintenance activity could be longer.</p>	Henry Dwyer	8/20/2024	9/12/2024	9/12/2024	<a href="https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf">https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf</a>	0	NA	QDR	NA	NA
694	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_02	2	CPUC - SPD (Safety Policy Division)_019_02	<p>Provide a breakdown of all of the Level 1 asset findings or corrective actions (per GO or Priority Level) that made up the results of table 2, SPD requests a table containing the following columns with each Level 1 asset inspection for every event Q2 through present listed on the Y-axis. Follow the attached excel formatting:</p> <ol style="list-style-type: none"> <li>1. Work Order Number</li> <li>2. Asset Name (including category)</li> <li>3. Line Type (Transmission, Distribution-Primary, Distribution-Secondary)</li> <li>4. Location</li> <li>5. Longitude</li> <li>6. Latitude</li> <li>7. Location (Division)</li> <li>8. Date created / found</li> <li>9. Completion date (if applicable)</li> <li>10. Method/level (immediate, normal, order of work, storm work)</li> <li>11. GO or Required Compliance Date</li> <li>12. Location (PTD to Tarz, HTFD Tarz, HTFD Zone 1, HTFA Non-PTD), Non-PTD (Non HTFA)</li> <li>13. Degree of ID</li> <li>14. Circuit ID</li> <li>15. Wire down Event ID (if Applicable)</li> <li>16. Outage event ID (if Applicable)</li> <li>17. Facility Damage Action (FDA)</li> <li>18. Cause / Reason</li> <li>19. Explanation for a non-immediate repair. If repair took longer than 1 day to complete, explain reason why.</li> </ol>	<p>Please see attachment "WMP-Discovery2024-2025_DR_CaPAAdvocacy_050-202404107.xlsx" for the requested information.</p> <p>Please note, the last maintenance date for each asset was included in the provided template (Column R), however, it was not included in the narrative of the data request. Since providing the last maintenance date requires a substantial amount of manual data gathering, please let us know if this information is being requested. If so, we would appreciate some additional time to provide this information. We would be happy to meet and confer on this issue if it would be helpful.</p> <p>"Method found" (PTD) Method is used through manually added values for different equipment and line types. There are the same 7 (7) methods used to derive the QDR Table 2 response for and method.</p> <p>"Wire down event ID" (PDS) Wire down event ID is an outage event ID for which a wire down event occurred.</p> <p>"Outage event ID" (PDS) Outage events are not directly associated with legs and are used to help identify the cause and date of the same circuit outage.</p> <p>"Cause / Reason" (PDS) Cause / Reason is not included in the data request. Cause / Reason (PDS) is not included in the data request. The long list comments are provided and are the only readily sourced source of information related to the cause and available explanation for non-immediate repair.</p>	Henry Dwyer	8/20/2024	9/12/2024	9/12/2024	<a href="https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf">https://www.pge.com/Assets/Regulatory/Outlets/2024/Quarterly-Data-Reports/2024-Q2-Quarterly-Data-Report-20240802.pdf</a>	1	NA	QDR	NA	NA



704	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_01204	1268	CPUC - SPD (Safety Policy Division)_019_01204	SPD undertakes FTI program was performed on areas with 45.76 strikes per mile. Separately, SPD undertakes PG&E tree-trim 200 strikes per mile across its FTI. SPD understands that number of trees is not equal to risk - but is warranted that the program is being performed in areas with less strike trees per mile. Can you double check that the number is correct given the context?	<p>PG&amp;E submits its response to "WMP-Discovery2023-2025_DR-SPD_019-012012.pdf" submitted to SPD on September 12, 2024.</p> <p>PG&amp;E originally calculated the number of strike trees per mile impacted before and after removal using the number of trees prescribed to be worked. This calculation has been revised to instead factor the number of trees impacted. As of September 27, 2024, PG&amp;E confirms the average number of strike trees per mile of lines impacted on Forward Tree Inspections (FTI) prior to removal is 47.80.</p> <p>Please see the calculation below for how this number was determined: Average number of strike trees per mile of lines impacted on FTI prior to removal</p> <p>Number of lines inspected: 703,893  Number of trees inspected: 1,122,216  102102111 / 1226 = 877.60</p> <p>As of September 27, 2024, PG&amp;E confirms the average number of strike trees per mile of lines inspected after removal is 44.45.</p> <p>Please see the calculation below for how this number was determined: Average number of strike trees per mile of lines inspected after removal</p> <p>Number of lines inspected: 703,893  Number of trees inspected: 311,224  311224 / 703893 = 44.21</p> <p>703,893 / 1602.79 = 43.29</p> <p>Please see the following date for the requested information through September 6, 2024:</p> <p>Number of trees prescribed to be worked: 51,374  Number of total trees worked thus far: 2,116  Number of total trees prescribed for removal: 42,101  Number of total trees removed thus far: 1,750  Number of miles inspected: 1,122.9</p> <p>Number of strike trees per mile of lines inspected before removal: 45.76 877.60</p>	Henry Swast	9/30/2024	10/20/2024	10/10/2024	<a href="https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-019_01204.pdf">https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-019_01204.pdf</a>	0	NA	K.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
705	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_013	13	CPUC - SPD (Safety Policy Division)_019_013	Private ignition reports (also known as PIIR) for CPUC reportable ignitions that occurred on R3+ days in 2024	<p>PG&amp;E will continue providing investigations for ignitions that occurred on R3+ days in 2024. PG&amp;E has provided reports for ignitions where its investigations have concluded. CPUC reportable ignitions that occurred on R3+ days in 2024:</p> <p>CPUC Reportable Ignition</p> <p>Ignition Attachment Name</p> <p>20240425 May 27, 2024 WMP-Discovery2023-2025_DR-SPD_019-02116ANRCONI.pdf  20240619 Jun 24, 2024 WMP-Discovery2023-2025_DR-SPD_019-02116ANRCONI.pdf  20240623 Jun 24, 2024 WMP-Discovery2023-2025_DR-SPD_019-02116ANRCONI.pdf  20240713 Jun 25, 2024 WMP-Discovery2023-2025_DR-SPD_019-02116ANRCONI.pdf  20240704 Jun 27, 2024 WMP-Discovery2023-2025_DR-SPD_019-02116ANRCONI.pdf  20240709 Jun 27, 2024 WMP-Discovery2023-2025_DR-SPD_019-02116ANRCONI.pdf  20240709 Jun 27, 2024 WMP-Discovery2023-2025_DR-SPD_019-02116ANRCONI.pdf  20240729 Jun 27, 2024 WMP-Discovery2023-2025_DR-SPD_019-02116ANRCONI.pdf</p> <p>Please note, these reports are preliminary and are based on available information at the time they were drafted. Event data is subject to change based upon inadequately.</p>	Henry Swast	8/29/2024	9/12/2024	9/12/2024	<a href="https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-019_013.pdf">https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-019_013.pdf</a>	7	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increase in Risk Events
706	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_014	14	CPUC - SPD (Safety Policy Division)_019_014	Private ignition reports (also known as PIIR) for CPUC reportable ignitions that occurred on days when EPSS was enabled in 2024. Reports already provided in response to Question 13 need not be resubmitted in response to Question 14.	<p>PG&amp;E is still underpursuing investigations for ignitions that occurred on days when EPSS was enabled in 2024. PG&amp;E has provided reports for ignitions where its investigations have concluded.</p> <p>Please see the table below for PIIRs for CPUC reportable ignitions which occurred on common lines on EPSS enabled circuits in 2024 that were not provided in Question 13.</p> <p>CPUC Reportable Ignition</p> <p>Ignition Attachment Name</p> <p>20240424 May 18, 2024 WMP-Discovery2023-2025_DR-SPD_019-02116ANRCONI.pdf  20240623 Jun 7, 2024 WMP-Discovery2023-2025_DR-SPD_019-02116ANRCONI.pdf</p> <p>Please note, these reports are preliminary and are based on available information at the time they were drafted. Event data is subject to change based upon inadequately.</p>	Henry Swast	8/29/2024	9/12/2024	9/12/2024	<a href="https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-019_014.pdf">https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-019_014.pdf</a>	2	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-08 - Addressing Increase in Risk Events
707	CPUC - SPD (Safety Policy Division)	020	CPUC - SPD (Safety Policy Division)_020_01	1	CPUC - SPD (Safety Policy Division)_020_01	Please provide a copy of the example spreadsheet with data discussed and presented in the meeting of 8/30/2024 at 10am. Please provide PG&E and CPUC/SPD with the spreadsheet and the two attached guidance documents listed below.	<p>PG&amp;E includes the following attachment of the WMP Cost Reporting Templates in dash system that was received with SPD on August 26: Attachment "WMP-Discovery2023-2025_DR-SPD_020-020018ANRCONI.xlsx"</p> <p>This contains the sample initiative discussed with SPD on August 5 (System Maintenance Distribution and 10k Underpinning) and the initiative discussed on August 26 (TDM/RPA Open Tag Reduction - Transmission, HTDM/RPA Open Tag Reduction - Distribution, and Emission Reduction - Distribution).</p> <p>The information provided is a sample of the level of detail PG&amp;E proposes to provide in response to the template provided by SPD. Please note that reporting is provided on an annual basis with monthly reporting upon completion of work on the template "WMP-Discovery2023-2025_DR-SPD_020-020018ANRCONI.xlsx" as the original template will be updated as more information is provided.</p>	Edwin Dzhuk	8/27/2024	9/4/2024	9/4/2024	<a href="https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-020_01.pdf">https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-020_01.pdf</a>	1	NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures
708	CPUC - SPD (Safety Policy Division)	021	CPUC - SPD (Safety Policy Division)_021_01	1	CPUC - SPD (Safety Policy Division)_021_01	1. Complete tabs 2 through 6 of the attached spreadsheet. For tabs 2 through 5, complete a corresponding data row for each of the 114 mitigation initiatives in the most recent QDR. Table 11 according to the directions in the spreadsheet and the two attached guidance documents listed below.	<p>PG&amp;E and SPD met on September 27, 2024, to discuss clarifications within this request as well as a timeline schedule for production. The meeting and follow up correspondence from SPD received October 1, 2024. PG&amp;E will submit data on weekly basis to branches to SPD, with data being submitted by November 1, 2024.</p> <p>PG&amp;E would like to clarify that there are 103 activities with costs related to the Wildlife Mitigation Plan (WMP). PG&amp;E is providing Column A-C of the "Worksheet 1 of 5" worksheet in Tab 11, as well as information regarding SB 884. Please see Attachment "WMP-Discovery2023-2025_DR-SPD_021-021001ANRCONI.pdf" for Tab 11 of this request. Please see the following explanation per the comments to report on the WMP Tracking by included in Tab 11 from the most recent Quarterly Data Report (QDR): Tab 11 of the QDR includes:</p> <p>WMP Initiative Categories (Column B), which are subsets of Initiative categories and WMP Initiative Activities (Column C), which are subsets of Initiative categories and Initiative Activities Tracking (by QTR) (Column D) for WMP commitments. Tab 11 shows some costs at the level of a specific commitment, such as CO-05 or GH-07, while it shows others at the level of an Initiative Activity. While the latter report, Tab 11 shows that some Initiative Activities have associated commitments, while others do not.</p> <p>In the data request response, PG&amp;E listed each commitment in the row level, and, for those Initiative Activities with no associated commitments, listed each remaining Initiative Activity (Emergency Preparedness Plan "Fire Potential Index") in the row level.</p> <p>PG&amp;E used naming and unique tags consistent with both the QDR and the WMP to identify each row. For commitments, PG&amp;E used the QTRs, which can be found in Tab 11 of the QDR, and for Initiative Activities with no commitments, PG&amp;E used Tab PG&amp;E A-2, Delineations of Initiatives - By Category in the WMP (version PG-SPD-099), located at the following link: <a href="https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-021_01.pdf">https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-021_01.pdf</a></p> <p>Please see the following clarifications regarding "Section E" of the attachment included in this request:</p> <p>Regarding "Section E: SB 884 Activity," PG&amp;E anticipates submitting its SB 884 Electric Underpinning Plan in 2025. Work forecast in the SB 884 Electric Underpinning Plan will begin in 2027. Therefore, there are no forecast units and no forecast costs for SB 884 in 2023, 2024 or 2025.</p> <p>Please see attachment "Please see attachment "WMP-Discovery2023-2025_DR-SPD_021-021001ANRCONI.pdf" for Tab 11. SB 884 of this request:</p> <p>Regarding the "Worksheet 1 of 5" worksheet, PG&amp;E is providing the Risk Speed Impact (RSE) from the 2023 QDR application as available in Cost-Schedule Report (CSR) were not calculated when the 2023 QDR was filed. The Column labeled "Cost" requested in original QDR Application (B004) has been completed based on PG&amp;E's 2023 QDR Reply filed (December 5, 2023) with the most-recent excavation update. The Column labeled "QDR Activity Section and Page Number" refers to the sections as listed in the 2023 QDR, February 25, 2022, available and the page number as reported in the table of contents for the E-Book and Chapter for the referenced section.</p> <p>Please see the following clarifications for Sections of the attachment included in this request. Note: data is not included in worksheets "nonFTI_CapEx of 4' and 5' " and "nonFTI_OpEx of 4' and 5' " as costs reported in this Tab are not reflected High Fire Threat District (FTD) work.</p> <p>Regarding "Section A: WMP Cost and Unit Data," PG&amp;E will provide required costs for 2023 and forecast costs for 2024 and 2025. Units have been provided for initial WMP initiatives in the "FTI_CapEx of 4' and 5' worksheet. These costs include units for 11 of 57 worksheets. Columns "G" and "H" are blank. If a unit is included in the "FTI_CapEx of 4' and 5' worksheet, but not in the units provided for this request, it is reporting this data.</p> <p>Regarding "Section B: Costs and Units Authorized in Last QDR," the columns requesting "Costs authorized in Last QDR (2023 - WMP)" were not provided. PG&amp;E will provide costs in the next QDR.</p> <p>Regarding "Section C: Costs and Units Forecast to be Requested in the Next QDR," PG&amp;E is unable to provide requested data for the "FTI_CapEx of 4' and 5' worksheet" as these costs are not forecasted in this request.</p> <p>Regarding "Section D: Costs Requested and Application Materials (Balance Account)," PG&amp;E's discussion with SPD in September 27, 2024, costs reflected are recorded and not recovered.</p> <p>Regarding "Section E: SB 884 Activity," PG&amp;E anticipates submitting its SB 884 Electric Underpinning Plan in 2025. Work forecast in the SB 884 Electric Underpinning Plan will begin in 2027. Therefore, there are no forecast units and no forecast costs for SB 884 in 2023, 2024 or 2025.</p> <p>Regarding "Section F: Fire or Other," PG&amp;E is unable to provide forecasted data for this category. Transmission project costs are not tracked at the level of project required to identify a Wildlife Mitigation Plan (WMP) Initiative tracking codes are applicable. In addition, mitigation listed in the WMP are not included at the project level but rather program level. PG&amp;E will provide data only for WMP-related Transmission activities in this section. The PG&amp;E's discussion with SPD on September 27, 2024, these costs will only be available for a small sub-set of transmission programs as they pertain to the WMP.</p> <p>Please see attachment "WMP-Discovery2023-2025_DR-SPD_021-021001ANRCONI.pdf" for Tab 11. This attachment is for Tab 11 of the QDR.</p>	Kevin Miller	9/10/2024	10/4/2024	10/4/2024	<a href="https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-021_01.pdf">https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-021_01.pdf</a>	1	NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures
708	CPUC - SPD (Safety Policy Division)	021	CPUC - SPD (Safety Policy Division)_021_01(A)	101	CPUC - SPD (Safety Policy Division)_021_01(A)	1. Complete tabs 2 through 6 of the attached spreadsheet. For tabs 2 through 5, complete a corresponding data row for each of the 114 mitigation initiatives in the most recent QDR. Table 11 according to the directions in the spreadsheet and the two attached guidance documents listed below.	<p>1. Complete tabs 2 through 6 of the attached spreadsheet. For tabs 2 through 5, complete a corresponding data row for each of the 114 mitigation initiatives in the most recent QDR. Table 11 according to the directions in the spreadsheet and the two attached guidance documents listed below.</p> <p>Guidance for WMP Cost Reporting (applicable to tab 2 through 5)</p> <p>Guidance for Account Tracking (applicable to tab 6)</p>	Kevin Miller	9/10/2024	10/11/2024	10/11/2024	<a href="https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-021_01(A).pdf">https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-021_01(A).pdf</a>	1	NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures
708	CPUC - SPD (Safety Policy Division)	021	CPUC - SPD (Safety Policy Division)_021_01(B)	193	CPUC - SPD (Safety Policy Division)_021_01(B)	1. Complete tabs 2 through 6 of the attached spreadsheet. For tabs 2 through 5, complete a corresponding data row for each of the 114 mitigation initiatives in the most recent QDR. Table 11 according to the directions in the spreadsheet and the two attached guidance documents listed below.	<p>1. Complete tabs 2 through 6 of the attached spreadsheet. For tabs 2 through 5, complete a corresponding data row for each of the 114 mitigation initiatives in the most recent QDR. Table 11 according to the directions in the spreadsheet and the two attached guidance documents listed below.</p> <p>Guidance for WMP Cost Reporting (applicable to tab 2 through 5)</p> <p>Guidance for Account Tracking (applicable to tab 6)</p>	Kevin Miller	9/10/2024	10/18/2024	10/18/2024	<a href="https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-021_01(B).pdf">https://www.pge.com/Pages/AboutUs/Company-Information/2024-Fire-Threat-Response-Report-021_01(B).pdf</a>	1	NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures
708	CPUC - SPD (Safety Policy Division)	021	CPUC - SPD (Safety Policy Division)_021_01(C)	193	CPUC - SPD (Safety Policy Division)_021_01(C)	1. Complete tabs 2 through 6 of the attached spreadsheet. For tabs 2 through 5, complete a corresponding data row for each of the 114 mitigation initiatives in the most recent QDR. Table 11 according to the directions in the spreadsheet and the two attached guidance documents listed below.	<p>1. Complete tabs 2 through 6 of the attached spreadsheet. For tabs 2 through 5, complete a corresponding data row for each of the 114 mitigation initiatives in the most recent QDR. Table 11 according to the directions in the spreadsheet and the two attached guidance documents listed below.</p> <p>Guidance for WMP Cost Reporting (applicable to tab 2 through 5)</p> <p>Guidance for Account Tracking (applicable to tab 6)</p>	Kevin Miller	9/10/2024	11/28/2024			NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures	



720	CaPA	Set WMP-54	CaPA_Set WMP-54	3	CaPA_Set WMP-54_Q3	<p>At this PG&amp;E does any research into flytiter crochets for wildfire mitigation?</p> <p>(1) Yes, please provide a brief description of the research PG&amp;E has done, including at least the minimum following information: Research: Study Name: Description of Research: Objective/Results Start Date End Date (1) Has PG&amp;E evaluated the potential use of flytiter crochets in PG&amp;E's system for wildfire mitigation purposes? (2) If the answer to part (1) is yes, please provide a brief description of all potential use cases) PG&amp;E has evaluated for these other flytiter devices: (3) If the answer to part (1) is yes, state the time frame during which this evaluation took place. (4) If the answer to part (1) is yes, list all flytiter that PG&amp;E has identified regarding the use of flytiter crochets in PG&amp;E's system. (5) If the answer to part (1) is yes, list all flytiter that PG&amp;E has identified regarding the use of flytiter crochets in PG&amp;E's system. (6) If the answer to part (1) is yes, state the estimated cost (may be a range) regarding the use of flytiter crochets in PG&amp;E's system. (7) Please provide all research documents and reports that PG&amp;E has written, commissioned, or funded the report. (8) Does PG&amp;E plan to perform evaluation in the future regarding the use of flytiter crochets in PG&amp;E's system for wildfire mitigation purposes? State approximate start date.</p> <p>At this PG&amp;E does any research into other devices (aside from the types referenced in questions 1-3) that can de-energize powerlines in less than 10 milliseconds for wildfire mitigation?</p> <p>(1) Yes, please provide a brief description of the research PG&amp;E has done, including at least the minimum following information: Research: Study Name: Description of Research: Objective/Results Start Date End Date (1) Has PG&amp;E evaluated the potential use of these other fast-deploy devices in PG&amp;E's system for wildfire mitigation purposes? (2) If the answer to part (1) is yes, please provide a brief description of all potential use cases) PG&amp;E has evaluated for these other fast-deploy devices: (3) If the answer to part (1) is yes, state the time frame during which this evaluation took place. (4) If the answer to part (1) is yes, list all flytiter that PG&amp;E has identified regarding the use of flytiter crochets in PG&amp;E's system. (5) If the answer to part (1) is yes, list all flytiter that PG&amp;E has identified regarding the use of flytiter crochets in PG&amp;E's system. (6) If the answer to part (1) is yes, state the estimated cost (may be a range) regarding the use of these other fast-deploy devices in PG&amp;E's system. (7) Please provide all research documents and reports that PG&amp;E has written, commissioned, or funded the report. (8) Does PG&amp;E plan to perform evaluation in the future regarding the use of these other fast-deploy devices in PG&amp;E's system for wildfire mitigation purposes? State approximate start date.</p>	Tyler Hochstetler	10/29/2024	11/13/2024	11/13/2024	<a href="https://www.pge.com/energy/development/energy-safety/wildfire-prevention/energy-safety/wildfire-prevention-ca-pa">https://www.pge.com/energy/development/energy-safety/wildfire-prevention/energy-safety/wildfire-prevention-ca-pa</a>	0	NA	NA	NA	NA
721	CaPA	Set WMP-54	CaPA_Set WMP-54	4	CaPA_Set WMP-54_Q4	<p>At this PG&amp;E does any research into other devices (aside from the types referenced in questions 1-3) that can de-energize powerlines in less than 10 milliseconds for wildfire mitigation?</p> <p>(1) Yes, please provide a brief description of the research PG&amp;E has done, including at least the minimum following information: Research: Study Name: Description of Research: Objective/Results Start Date End Date (1) Has PG&amp;E evaluated the potential use of these other fast-deploy devices in PG&amp;E's system for wildfire mitigation purposes? (2) If the answer to part (1) is yes, please provide a brief description of all potential use cases) PG&amp;E has evaluated for these other fast-deploy devices: (3) If the answer to part (1) is yes, state the time frame during which this evaluation took place. (4) If the answer to part (1) is yes, list all flytiter that PG&amp;E has identified regarding the use of flytiter crochets in PG&amp;E's system. (5) If the answer to part (1) is yes, list all flytiter that PG&amp;E has identified regarding the use of flytiter crochets in PG&amp;E's system. (6) If the answer to part (1) is yes, state the estimated cost (may be a range) regarding the use of these other fast-deploy devices in PG&amp;E's system. (7) Please provide all research documents and reports that PG&amp;E has written, commissioned, or funded the report. (8) Does PG&amp;E plan to perform evaluation in the future regarding the use of these other fast-deploy devices in PG&amp;E's system for wildfire mitigation purposes? State approximate start date.</p>	Tyler Hochstetler	10/29/2024	11/13/2024	11/13/2024	<a href="https://www.pge.com/energy/development/energy-safety/wildfire-prevention/energy-safety/wildfire-prevention-ca-pa">https://www.pge.com/energy/development/energy-safety/wildfire-prevention/energy-safety/wildfire-prevention-ca-pa</a>	0	NA	NA	NA	NA
722	OES	Mitigation Selection 021	OES_Mitigation Selection 001	1	OES_Mitigation Selection 001_Q1	<p>Q1: Reducing the cost of mitigations: A PG&amp;E discusses the following mitigation activities in its 2023-2025 Base WMP: 1. Covered Conductor Installation 2. Underpinning 3. Distribution Pole Replacements and Reinforcements 4. Distribution Traditional Hardware 5. Transmission Pole Tower Proectors and Reinforcements 6. Transmission Traditional Hardware 7. Transmission Shunt Splices 8. Distribution Protective Devices 9. Breaker Control Reliability Improvement 10. Distribution Mechanical Switch Outlets (MSO) Replacements 11. Non-Self-Extinguishing Pole Hardware/Replacement 12. Microgrids, including remote grids 13. PG&amp;E projects that: a. Enhanced Powerline Safety Settings (EPSS) b. Distribution Transformer and Substation Fire Action Schemes and Technology (DTS-FAST) c. Downed Conductor Detection (DCD) d. Rapid Earth Fault Current Limiter (REFCL) e. Pole Mounted Sensors f. Early Fault Detection (EFD) g. Distribution Fault Anticipation (DFA) h. Smart Taps For each of the above activities, provide: (1) The projected average capital cost per circuit mile of projects expected to be completed in 2025. (2) The average capital cost per circuit mile of projects completed from Jan 1, 2021, to Jun 30, 2024. (3) The average operation and maintenance cost per circuit mile per year of projects completed from Jan 1, 2021, to Jun 30, 2024. (4) A discussion of factors that have resulted in projects completed from Jan 1, 2021, to Jun 30, 2024, with a capital cost per circuit mile 20 percent more than the average capital cost per circuit mile from Jan 1, 2021, to Jun 30, 2024, for that given activity. List the factors and discuss how each impacted the project duration. (5) A discussion of factors that have resulted in projects completed from Jan 1, 2021, to Jun 30, 2024, with a project duration (dependent on mile) 20 percent less than the average project duration from Jan 1, 2021, to Jun 30, 2024, for that given activity. List the factors and discuss how each impacted the project duration. Complete the following table for the 10 projects with the longest duration per circuit mile and 10 projects with the lowest duration per circuit mile completed in 2023. If less than 10 projects were completed in 2023, complete the table for all projects completed in 2023. Mitigation Activity Project ID Location Project length (circuit miles) Project Capital Cost Project Duration (days) Detailed description of table</p>	Will Dardson	11/7/2024	12/9/2024		NA	NA	NA	NA	NA	
723	OES	Mitigation Selection 001	OES_Mitigation Selection 001	2	OES_Mitigation Selection 001_Q2	<p>Q2: Reducing the duration of mitigations: A PG&amp;E discusses the following mitigation activities in its 2023-2025 Base WMP: 1. Covered Conductor Installation 2. Underpinning 3. Distribution Pole Replacements and Reinforcements 4. Distribution Traditional Hardware 5. Transmission Pole Tower Proectors and Reinforcements 6. Transmission Traditional Hardware 7. Transmission Shunt Splices 8. Distribution Protective Devices 9. Breaker Control Reliability Improvement 10. Distribution Mechanical Switch Outlets (MSO) Replacements 11. Non-Self-Extinguishing Pole Hardware/Replacement 12. Microgrids, including remote grids 13. PG&amp;E projects that: a. Enhanced Powerline Safety Settings (EPSS) b. Distribution Transformer and Substation Fire Action Schemes and Technology (DTS-FAST) c. Downed Conductor Detection (DCD) d. Rapid Earth Fault Current Limiter (REFCL) e. Pole Mounted Sensors f. Early Fault Detection (EFD) g. Distribution Fault Anticipation (DFA) h. Smart Taps For each of the above activities, provide: (1) The projected average capital cost per circuit mile of projects expected to be completed in 2025. (2) The average capital cost per circuit mile of projects completed from Jan 1, 2021, to Jun 30, 2024. (3) The average operation and maintenance cost per circuit mile per year of projects completed from Jan 1, 2021, to Jun 30, 2024. (4) A discussion of factors that have resulted in projects completed from Jan 1, 2021, to Jun 30, 2024, with a capital cost per circuit mile 20 percent more than the average capital cost per circuit mile from Jan 1, 2021, to Jun 30, 2024, for that given activity. List the factors and discuss how each impacted the project duration. (5) A discussion of factors that have resulted in projects completed from Jan 1, 2021, to Jun 30, 2024, with a project duration (dependent on mile) 20 percent less than the average project duration from Jan 1, 2021, to Jun 30, 2024, for that given activity. List the factors and discuss how each impacted the project duration. Complete the following table for the 10 projects with the longest duration per circuit mile and 10 projects with the lowest duration per circuit mile completed in 2023. If less than 10 projects were completed in 2023, complete the table for all projects completed in 2023. Mitigation Activity Project ID Location Project length (circuit miles) Project Capital Cost Project Duration (days) Detailed description of table</p>	Will Dardson	11/7/2024	12/9/2024		NA	NA	NA	NA		
724	OES	Mitigation Selection 001	OES_Mitigation Selection 001	3	OES_Mitigation Selection 001_Q3	<p>Regarding mitigation compatibility: A. For each mitigation activity listed in Q01, a table: List the constraints associated with each activity (e.g., cannot be deployed on 3 wire systems, in areas with frequent tree-clearing cycles, require communication network to function). Provide a completed compatibility table. Each cell must identify one of the following: (1) Mitigation is compatible, and the combination will further reduce wildfire risk. (2) Mitigation is compatible, but combination will not further reduce wildfire risk. (3) Mitigation is compatible, but is unknown if combination will further reduce wildfire risk. (4) Mitigation is not compatible/combination is impractical. The utility must submit two separate tables, one for transmission specific initiatives and one for distribution specific initiatives. If the transmission and distribution table include additional details or context. Example Mitigation Initiative Compatibility Table: Mitigation Activity Covered Conductor Installation Underpinning Distribution Pole Replacements and Reinforcements Mitigation Activities (continued...) Covered Conductor Installation Mitigation are not compatible/combination is impractical Mitigation are compatible and combination will reduce additional wildfire risk. Underpinning Mitigation are not compatible/combination is impractical Mitigation are compatible/combination is impractical Mitigation are compatible and combination will reduce additional wildfire risk. Distribution Pole Replacements and Reinforcements Mitigation are compatible and combination will reduce additional wildfire risk. Mitigation are not compatible/combination is impractical Mitigation Activities (continued...) END OF</p>	Will Dardson	11/7/2024	12/9/2024		NA	NA	NA	NA		
Pre-Discovery 01	CaPA	Set WMP-01	CaPA_Set WMP-01	1	CaPA_Set WMP-01_Q1	<p>This data request pertains to your 2023-2025 Wildfire Mitigation Plan (WMP) and all related documents and submissions (including but not limited to data submissions, tables, GIS data, attachments, and appendices). This data request covers the entirety of calendar year 2023.</p> <p>Please provide a copy of each WMP pre-submission document, submission, or report submitted to the Office of Energy Infrastructure Safety (Energy Safety) in 2023 that is subject to your WMP. Provide the name of the California Public Utilities Commission (CPUC) document submitted to Energy Safety. If you have submitted the document to Energy Safety in 2023, provide the name of the document and the date it was submitted, and no later than 10 business days from the issuance of this data request. This request is limited to materials or documents that 1) were not work products, 2) are not confidential, risk sensitive, risk sensitive, risk sensitive, or WMP change orders, and 3) are not pre-submission documents or documents that are not subject to your WMP (and any subsequent revisions or changes unless affecting your WMP).</p>	Holly Warman	2/7/2023	2/14/2023	2/14/2023	<a href="https://www.pge.com/energy/development/energy-safety/wildfire-prevention/energy-safety/wildfire-prevention-ca-pa">https://www.pge.com/energy/development/energy-safety/wildfire-prevention/energy-safety/wildfire-prevention-ca-pa</a>	0	NA	NA	NA	NA
Pre-Discovery 02	CaPA	Set WMP-01	CaPA_Set WMP-01	2	CaPA_Set WMP-01_Q2	<p>GENERAL OBJECTIONS TO THIS SET OF DATA REQUESTS PG&amp;E objects to the extraction or disclosure in the set of data requests entitled California PG&amp;E 2023 WMP 01 that purport to impose any obligations greater than those provided by the applicable rules and decisions of the Commission or any other regulator, statute, rule, or law, including the regulatory authority and jurisdiction of the Commission. In particular, PG&amp;E objects to the instruction that purports to place a burden on the responding party to search out to the requesting party to clarify any unclear questions, definitions, or instructions. The duty to prepare precise and well-written instructions, definitions, and requests is on the party making the information request and cannot be shifted to the responding party. Additionally, PG&amp;E objects to the instruction that PG&amp;E must "synthesize the name and title of the responding individual" and "synthesize and not reasonably calculated to lead to the discovery of admissible evidence in this proceeding." PG&amp;E objects to the instruction that PG&amp;E must "synthesize the name and title of the responding individual" and "synthesize and not reasonably calculated to lead to the discovery of admissible evidence in this proceeding." The duty of the person "value the basis" which is overlaid and burdensome to the extent it requests "every fact, table, reference, response, exhibit, conversation, ordinance, study report, and analysis." ANSWER 01 In relation to all general objections, PG&amp;E specifically objects to this request on the grounds that it is wholly burdensome. PG&amp;E further objects to this request as the information requested is vague, ambiguous, and overbroad. Lastly, PG&amp;E 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. <i>Bliss v. Evans Mgmt Corp.</i>, 124 Cal.App.4th 1515, 1526 (2006); <i>Code Civ. Proc.</i>, § 2025.10(b); <i>Northridge</i>, and <i>Wells</i>, leaving these objections. PG&amp;E requests as follows. We will not treat to provide the requested information unless the requested information, or as soon as possible thereafter, relevant to the request that is the subject of your submission to Energy Safety. We will always be possible to provide the information sought within the requested timeframe. In these instances, we will submit the information requested to the Office of Energy Infrastructure Safety (Energy Safety) in 2023 that is subject to your WMP. Provide the name of the California Public Utilities Commission (CPUC) document submitted to Energy Safety. If you have submitted the document to Energy Safety in 2023, provide the name of the document and the date it was submitted, and no later than 10 business days from the issuance of this data request. This request is limited to materials or documents that 1) were not work products, 2) are not confidential, risk sensitive, risk sensitive, or WMP change orders, and 3) are not pre-submission documents or documents that are not subject to your WMP (and any subsequent revisions or changes unless affecting your WMP).</p>	Holly Warman	2/7/2023	2/15/2023	2/15/2023	<a href="https://www.pge.com/energy/development/energy-safety/wildfire-prevention/energy-safety/wildfire-prevention-ca-pa">https://www.pge.com/energy/development/energy-safety/wildfire-prevention/energy-safety/wildfire-prevention-ca-pa</a>	1	NA	NA	NA	NA



Pre-Discovery	CA/PA	Set WMP-03	CA/PA, Set WMP-03	5	CA/PA, Set WMP-03, 01	0	NA	2022 WMP Section 7.1	Wildfire Mitigation Strategy Development	NA
Pre-Discovery 12	CA/PA	Set WMP-03	CA/PA, Set WMP-03	5	CA/PA, Set WMP-03, 01	0	NA	2022 WMP Section 7.1	Wildfire Mitigation Strategy Development	NA
Pre-Discovery 13	CA/PA	Set WMP-03	CA/PA, Set WMP-03	6	CA/PA, Set WMP-03, 01	0	CA	2022 WMP Section 7.1	Wildfire Mitigation Strategy Development	NA
Pre-Discovery 14	CA/PA	Set WMP-03	CA/PA, Set WMP-03	7	CA/PA, Set WMP-03, 01	0	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
Pre-Discovery 15	CA/PA	Set WMP-03	CA/PA, Set WMP-03	8	CA/PA, Set WMP-03, 01	0	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
Pre-Discovery 16	CA/PA	Set WMP-03	CA/PA, Set WMP-03	9	CA/PA, Set WMP-03, 01	0	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy







Pre-Discovery 38	CaPA	Sat WMP-06	CaPA_Sat WMP-06	13	CaPA_Sat WMP-06_013	<p>Identify any ignitions in 2022 associated with assets where you had an existing corrective notification at the time of the assessment. Please provide a spreadsheet listing each ignition (as rows) with the following information in the spreadsheet:</p> <ol style="list-style-type: none"> <li>Unique ignition ID</li> <li>Date of ignition</li> <li>Cause of ignition</li> <li>Asset ID associated with the ignition</li> <li>Asset Name</li> <li>Number of ignitions associated with ignition, if any</li> <li>Asset ID of asset associated with ignition</li> <li>Circuit ID number of circuit associated with ignition (notification number) for the existing maintenance log on the asset in question.</li> </ol>	Holly Walker	2/10/2023	3/29/2023	3/29/2023	<a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a> <a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a> <a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a>	0	NA	2022 WMP Section 7.3.4	Asset Management and Inspectors	NA
Pre-Discovery 39	CaPA	Sat WMP-06	CaPA_Sat WMP-06	14	CaPA_Sat WMP-06_014	<p>a) Has PG&amp;E's Asset Failure Analysis Team usually corrected any ignitions that occurred in 2022 to assets with existing asset on vegetation corrective notifications at the time of the ignition?      b) If the answer to part (a) is yes, please provide the following information on each such ignition:      i. Unique ignition ID (matching the previous question)      ii. Cause of ignition      iii. Circuit ID identified by the Asset Failure Analysis Team      iv. The type of corrective notification that was issued on the ignition (i.e., the priority level and whether it related to asset management or vegetation management)      v. Cause of associated reports or investigations performed by the Asset Failure Analysis Team.</p>	Holly Walker	2/10/2023	3/29/2023	3/29/2023	<a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a> <a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a> <a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a>	0	NA	2022 WMP 7.3.7	Data Governance	Asset Failure Analysis
Pre-Discovery 40	CaPA	Sat WMP-06	CaPA_Sat WMP-06	15	CaPA_Sat WMP-06_015	<p>The PG&amp;E response to Data Request C&amp;I-Response-PGE-2022RWP-17, Question 11, March 24, 2022. PG&amp;E's inspection strategy in 2022 was to complete detailed inspections on all assets in HFDT Tier 3 and Zone 1, and detailed inspections of assets in HFDT Tier 2.      a) Please describe any changes to the above strategy for PG&amp;E's detailed distribution inspections in 2023.      b) Please describe any changes to the above strategy for PG&amp;E's detailed transmission inspections in 2023.      c) Please describe any changes to the above strategy for PG&amp;E's detailed distribution inspections in 2024.      d) Please describe any changes to the above strategy for PG&amp;E's detailed transmission inspections in 2024.</p>	Holly Walker	2/10/2023	3/29/2023	3/29/2023	<a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a> <a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a> <a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a>	0	NA	2022 WMP 7.2.1 and 7.2.4.1	Asset Management and Inspectors	NA
Pre-Discovery 41	CaPA	Sat WMP-06	CaPA_Sat WMP-06	16	CaPA_Sat WMP-06_016	<p>Regarding your PPSD circuit modeling capabilities:      a) Please describe your present circuit modeling capabilities with regard to PPSD decision making (PPSD circuit modeling capabilities), including with what level of granularity you are able to determine how circuit loading affects or other changes to a line segment will affect PPSD results.      b) Please describe any improvements to the present PPSD circuit modeling capabilities that you expect to implement in 2023.      c) Please describe any improvements to the present PPSD circuit modeling capabilities that you expect to implement in 2024.      d) Please describe the expected state of your PPSD circuit modeling capabilities at the conclusion of the 2023-2025 WMP cycle.</p>	Holly Walker	2/10/2023	3/29/2023	3/29/2023	<a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a> <a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a> <a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a>	0	NA	PPSD	NA	NA
Pre-Discovery 42	CaPA	Sat WMP-06	CaPA_Sat WMP-06	17	CaPA_Sat WMP-06_017	<p>a) How you developed Public Safety Power Shutoff (PSS) risk scores at the distribution level?      b) How you developed Enhanced Positive Safety Settings (EPSS) risk scores at the circuit segment level?      c) If the answer to either part (a) or (b) is yes, please provide a spreadsheet file containing, as the features, the most recent spatial data for each segment for which you have modeled PPSD or EPSS risk scores. Include the following attributes for each circuit segment:      i. Circuit Identification Number      ii. Circuit Name      iii. Circuit segment-level PPSD Risk Score (if applicable)      iv. Circuit segment-level EPSS Risk Score (if applicable)      v. Circuit segment-level EPSS Risk Score (if applicable)      vi. If the answer to part (a) is no, does PG&amp;E intend to develop PPSD risk scores for circuit segments?      vii. If the answer to part (b) is no, does PG&amp;E intend to develop EPSS risk scores for circuit segments?</p>	Holly Walker	2/10/2023	3/29/2023	3/29/2023	<a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a> <a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a> <a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a>	2	NA	PSS/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_001	<p>REFCL requires:      REFCL that at Calabasas Circuit Segment ID 10213551      Describe voltage across settings profiles.      Describe how sagged fault testing is performed to be conducted.      Explain how REFCL uses through recloser faults &amp; when REFCL deenergizes line for permanent faults.      Substation Configuration - Describe any substation and/or circuit configuration changes to deploy REFCL.      Substation Configuration - Describe any changes to substation equipment to deploy REFCL.      Explain when and where you have tested REFCL at REFCL mitigates.      Explain why REFCL is not performed mitigation for broader deployment and confirm PG&amp;E no longer plans to install REFCL at substations per your GRC filing.</p>	Wendy Alshabadi	2/23/2023	3/29/2023	3/29/2023	<a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a> <a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a> <a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a>	0	NA	K.1.1.3	Grid Operations and Procedures	Settings of Other Emerging Technologies (e.g., Rapid Fault-Path Current Limiters)
Pre-Discovery 44	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	2	CPUC - SPD (Safety Policy Division)_001_002	<p>EPSS &amp; Supporting Technologies (DCD &amp; Partial Voltage Detection) requires:      Explain all activities planned to mitigate EPSS reliability impacts.      Explain customer support programs (e.g., battery backup) distinct from or linked to those in place for PPSD implementation.      Explain Detailed Ground Fault settings for EPSS enabled circuit segments.      Explain DCD 2023-2025 Targets (i.e., 500, 400 &amp; 200) precise device conditions or delays) and whether they are covered by HFDT and/or EPSS controls. Explain why yes. To be updated.      Explain how many DCD are currently installed including on top 5% risk circuit segments.      Explain Partial Voltage Detection using SmartMeters and how new SmartMeters DCD and EPSS.</p>	Wendy Alshabadi	2/23/2023	3/29/2023	3/29/2023	<a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a> <a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a> <a href="https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center">https://www.pge.com/eng_globe/global/customer/ignite/ignite-incident-reporting-center</a>	0	NA	K.1.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings





Pre-Discovery 62	CaPA	Set WMP-20	CaPA_Set WMP-39	1	CaPA_Set WMP-39_01	Please identify and provide a copy of all quality assurance or quality control (QA/QC) reports conducted by internal entities that have been completed since January 1, 2023 and that examined any programs, initiatives, or strategies described in your 2023-2025 Base WMP.	PG&E Internally has managed Quality Assurance (QA) Quality Control (QC) within our institutional functional areas in 2023. PG&E maintains an 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. Please see the equipment attachments identified below for details reports of QA/QC performed for the following program: - Vegetation Management Routine Distribution - Vegetation Management Routine Transmission - System Inspection Distribution and System Inspection Transmission ATTACHMENTS WMP-Discovery2023-2025_DR_CaPA/Attachments_039-0001A1403.xlsx WMP-Discovery2023-2025_DR_CaPA/Attachments_039-0001A1402.xlsx WMP-Discovery2023-2025_DR_CaPA/Attachments_039-0001A1403.xlsx WMP-Discovery2023-2025_DR_CaPA/Attachments_039-0001A1404.xlsx WMP-Discovery2023-2025_DR_CaPA/Attachments_039-0001A1405.xlsx WMP-Discovery2023-2025_DR_CaPA/Attachments_039-0001A1406.xlsx WMP-Discovery2023-2025_DR_CaPA/Attachments_039-0001A1407.xlsx	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0001A1403.xlsx">https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0001A1403.xlsx</a>	8	NA	8	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)	
Pre-Discovery 63	CaPA	Set WMP-39	CaPA_Set WMP-39	2	CaPA_Set WMP-39_02	Please identify and provide a copy of all quality assurance or quality control (QA/QC) reports conducted by external entities 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, court-appointed monitors, and independent evaluators.	Similar to PG&E's response to this request last year, a new report from the Independent Safety Monitor was provided to the CPUC on March 29, 2024, and submitted to the CPUC on April 4, 2024. All reports from the Independent Safety Monitor, including this most recent report, can be found at the following link: <a href="https://www.cpuc.ca.gov/information-and-appeals/independent-safety-monitor">https://www.cpuc.ca.gov/information-and-appeals/independent-safety-monitor</a> The reports discuss a number of functional areas and programs, including programs and initiatives described in our 2023-2025 WMP.	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0001A1408.xlsx">https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0001A1408.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	Set WMP-39	CaPA_Set WMP-39	3	CaPA_Set WMP-39_03	Provide an Excel table of all defects in the year 2023 found by Energy Safety Compliance Branch (see notes) that includes the following information in separate columns: a) Associated circuit name b) Description of defect c) WMP initiative from your 2023-2025 WMP associated with defect d) Date that the defect was identified e) Date that the defect was corrected f) If the defect has not yet been corrected as of the issuance date of this data request, a brief explanation g) Priority level of corresponding corrective log h) Geographic locality of defect in electrical degrees, truncated to seven decimal places i) Geographic locality of defect in decimal degrees, truncated to seven decimal places	Please note the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration. Please see attachment "WMP-Discovery2023-2025_DR_CaPA/Attachments_039-0003A1401 CONF.xlsx" for the requested information.	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0003A1401 CONF.xlsx">https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0003A1401 CONF.xlsx</a>	1	NA	11	Section 11 - Corrective Action Program	11.3 Corrective Action Program - Address findings from Energy Safety's Compliance Assurance Division (i.e., audits and notices of defect and violation)	
Pre-Discovery 65	CaPA	Set WMP-39	CaPA_Set WMP-39	4	CaPA_Set WMP-39_04	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: a) The name of the initiative as it is identified in your 2025 WMP Update. b) The WMP initiative number in Table 11 of your 2023 WMP Update. c) The WMP initiative number in Table 11 of your 2023-2025 Base WMP. d) An explanation for the projected increase.	There are two WMP initiatives that fall in the population requested above, where the forecasted operating expenditures in 2025 are at least two times actual operating expenditures in 2023: (1) customer support in wildfire and PSPS emergencies; and (2) traditional overhead hardening. 1) Customer support in wildfire and PSPS emergencies 2) Traditional Overhead Hardening a) Name of Initiative: Emergency Preparedness - Customer Support in Wildfire and PSPS Emergencies Grid Design, Operations, and Maintenance - Traditional Overhead Hardening PG&E is providing the name of the activity category in the table number for ease of reference as Table 11 includes activity categories. The WMP activity category for this initiative is "Customer Support in Wildfire and PSPS Emergencies". b) Same as above in part a. Same as above in part a. c) Same as above in part b. Same as above in part b. d) The difference in PG&E's forecasted versus historical PSPS activities in 2023 and, therefore, the need to restore capital hardware (for example, phones, laptops, etc.) to the level of resources each activity requires.	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0004A1401 CONF.xlsx">https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0004A1401 CONF.xlsx</a>	0	NA	4	Section 4 - Overview of WMP	4.3 Proposed Expenditures	
Pre-Discovery 66	CaPA	Set WMP-39	CaPA_Set WMP-39	5	CaPA_Set WMP-39_05	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: a) The name of the initiative as it is identified in your 2025 WMP Update. b) The WMP initiative number in Table 11 of your 2023 WMP Update. c) The name of the initiative as it is identified in your 2023-2025 Base WMP. d) The WMP initiative number in Table 11 of your 2023-2025 Base WMP. e) An explanation for the projected increase.	There are three WMP initiatives that fall in the population requested above, where the forecasted operating expenditures in 2025 are at least two times actual operating expenditures in 2023: (1) land-in-migration; (2) mitigation; and (3) the resilient right-of-ways. 1) Land Migration - 2. Mitigation 3. Fire-Resilient Right-of-Ways a) Vegetation Management and Inspection - Fire Resilient Right-of-Ways Grid Design, Operations, and Maintenance- Mitigation Vegetation Management and Inspection - Fire Resilient Right-of-Ways 2) Mitigation 3) Land Migration - 2. Mitigation 3. Fire-Resilient Right-of-Ways PG&E is providing the name of the activity category in the table number for ease of reference as Table 11 includes activity categories. The WMP activity category for this initiative is "Mitigation". PG&E is providing the name of the activity category in the table number for ease of reference as Table 11 includes activity categories. The WMP activity category for this initiative is "Mitigation". PG&E is providing the name of the activity category in the table number for ease of reference as Table 11 includes activity categories. The WMP activity category for this initiative is "Mitigation".	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0005A1401 CONF.xlsx">https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0005A1401 CONF.xlsx</a>	0	NA	4	Section 4 - Overview of WMP	4.3 Proposed Expenditures	
Pre-Discovery 67	CaPA	Set WMP-39	CaPA_Set WMP-39	6	CaPA_Set WMP-39_06	Please fill out the attached spreadsheet CaPA/Attachments-PGE-2023WMP-03 Attachment 1, requesting information regarding your asset inspections in 2023.	Please see attachment "WMP-Discovery2023-2025_DR_CaPA/Attachments_039-0006A1401 CONF.xlsx" for the requested information.	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0006A1401 CONF.xlsx">https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0006A1401 CONF.xlsx</a>	1	NA	8	Section 8.1.3 - Asset Inspection	8.1.3 Asset Inspections	
Pre-Discovery 68	CaPA	Set WMP-39	CaPA_Set WMP-39	7	CaPA_Set WMP-39_07	Please provide a list of any incidents in 2023 where the actions of a 3M contractor posed a safety risk to workers and/or the public. "Safety risk" here is defined as any occurrence on a worksite where the contractor's actions created a safety hazard for other workers or the general public. For each instance, please provide: a) The date you were informed of the safety issue b) The date the original work that created the safety issue was performed c) Whether the safety issue concerned a transmission or distribution circuit d) The vegetation management initiative involved in the original work e) A brief description of the safety issue involved	Please note the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration. Please see attachment "WMP-Discovery2023-2025_DR_CaPA/Attachments_039-0007A1401 CONF.xlsx" for the requested information. Please note the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration. Please see attachment "WMP-Discovery2023-2025_DR_CaPA/Attachments_039-0007A1402 CONF.xlsx" for the requested information. Please note the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration. Please see attachment "WMP-Discovery2023-2025_DR_CaPA/Attachments_039-0007A1403 CONF.xlsx" for the requested information.	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0007A1401 CONF.xlsx">https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0007A1401 CONF.xlsx</a>	1	NA	8	Section 8.2 - Vegetation Management and Inspections	8.2 Vegetation Management and Inspections	
Pre-Discovery 69	CaPA	Set WMP-39	CaPA_Set WMP-39	8	CaPA_Set WMP-39_08	In response to Data Request CaPA/Attachments-PGE-2023WMP-06, Question 8, March 29, 2023, PG&E provided its 2023 system hardening analysis for the categories referenced in part (a) below. Please provide an updated revision of this analysis with additional columns to show the actual system hardening work performed in each circuit segment in 2023 for each of these categories. Please add notes as needed to cover all circuit segments where PG&E performed system hardening work in 2023 (even if those circuit segments were not included in the original analysis). PG&E performed system hardening work in 2023 (even if those circuit segments were not included in the original analysis): a) Installation of overhead conductor b) Removal of overhead conductor c) Removal of overhead conductor associated with remote grid work.	Please see the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration. Please see attachment "WMP-Discovery2023-2025_DR_CaPA/Attachments_039-0008A1401 CONF.xlsx" for a list of PG&E's system hardening projects for the years 2023-2026. Please note that the categories years 2023 and 2024 are associated with each year we are being finalized. The requested information can be found in the following locations: (a) See column A (Date) (b) See column B (Circuit ID) (c) See column C (Category) (d) See column D (Circuit ID) and column E (Circuit Name) (e) See column F (Circuit Protection Zone) (f) See column M (Applicable Risk Model) for the risk model used at the time the project was selected for the program and see column AK-AZ for the corresponding reduction values by year and mitigation type based on a project's predicted risk model. (g) See column B (Construction Start Date). This date represents the time construction was related on the project, recognizing there are additional projects prior to the construction start date. Dates, when available, are identified and the project is considered complete. Actual construction and dates may shift through the lifecycle of a project based on project requirements. As noted above, the 2023-2026 forecasted data is only being finalized, therefore, construction start and end dates are approximate and are subject to change. (h) See column AK-AZ (2023-2026 Forecast) for circuit miles of planned overhead hardening in 2023-2026. (i) The information is not provided in this response because PG&E currently does not have complete labor data to provide the total overhead circuit miles removed related to the underlying project. This information is actively being collected and will be included in PG&E's System Inspection Accountability.	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0008A1401 CONF.xlsx">https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0008A1401 CONF.xlsx</a>	1	NA	8	8.1.2.5	System Hardening	NA
Pre-Discovery 70	CaPA	Set WMP-39	CaPA_Set WMP-39	9	CaPA_Set WMP-39_09	Provide your workplan that describes where and when you will perform system hardening on distribution circuits in 2025. For projects that you expect to primarily complete in 2025 (i.e., projects that started before 2023 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 2025. For each project, include the following information in separate columns, as a minimum: a) Order number b) IMT Code c) Program d) Circuit ID number e) Circuit name (or ID number if the project affects more than one circuit segment, please identify each one) f) Name of the utility risk account from the utility risk model that you are using to estimate distribution risk for your 2025 WMP Update (and) g) The expected completion date of the project h) Length (in circuit miles) of overhead conductor to be installed in 2025 i) Length (in circuit miles) of overhead conductor to be permanently removed in 2025 and replaced by underground conductor (note that this may differ slightly from the previous section due to differing overhead and underground lengths) j) Length (in circuit miles) of overhead conductor to be permanently removed in 2025 and not replaced with underground conductor or undergrounded k) 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) l) Location-specific underground effectiveness m) Location-specific effectiveness of alternate mitigations.	Please see the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration. Please see attachment "WMP-Discovery2023-2025_DR_CaPA/Attachments_039-0009A1401 CONF.xlsx" for the requested information.	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0009A1401 CONF.xlsx">https://www.pge.com/Assets/Reports/Doc/Attachments/Attachments_039-0009A1401 CONF.xlsx</a>	0	NA	8	8.1.2.5	System Hardening	NA



Pre-Discovery 80	CaPA	Set WMP-39	CaPA_Set WMP-39	19	CaPA_Set WMP-39_Q19	<p>In response to data request CaAdvocates-PGE-2023WMP-39 question 5, September 27, 2023, PG&amp;E stated that it expected to publish its 2023 Electric Asset Management Plan by the end of 2023.</p> <p>(a) Has PG&amp;E completed the 2023 Electric Asset Management Plan?</p> <p>(b) If the answer to part (a) is yes, please provide a copy of the 2023 Electric Asset Management Plan.</p> <p>(c) If the answer to part (a) is no, please explain the delay.</p> <p>(d) If the answer to part (a) is no, please state when PG&amp;E currently expects to publish the 2023 Electric Asset Management Plan.</p>	<p>(i) PG&amp;E is working on completing final updates to the 2023 Electric Asset Management Plan and tentatively plans to publish the document in June 2024. PG&amp;E will provide the completed document once it is finalized and published.</p> <p>(ii) Not applicable.</p> <p>(c) The 2023 Electric Asset Management Plan has been reviewed and approved by PG&amp;E leadership. However, the documents will go through the technical writer, formatting and processing, along with the other functional areas' asset management items.</p> <p>(d) PG&amp;E tentatively expects to publish the 2023 Electric Asset Management Plan in June 2024.</p>	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Pages/Support/Utilities/Utilities/Utilities/Utilities.aspx?ContentID=1039">https://www.pge.com/Pages/Support/Utilities/Utilities/Utilities/Utilities.aspx?ContentID=1039</a>	0	NA	NA	NA	NA
Pre-Discovery 80	CaPA	Set WMP-39	CaPA_Set WMP-39	19(a)	CaPA_Set WMP-39_Q19(a)	<p>In response to data request CaAdvocates-PGE-2023WMP-39 question 5, September 27, 2023, PG&amp;E stated that it expected to publish its 2023 Electric Asset Management Plan by the end of 2023.</p> <p>(a) Has PG&amp;E completed the 2023 Electric Asset Management Plan?</p> <p>(b) If the answer to part (a) is yes, please provide a copy of the 2023 Electric Asset Management Plan.</p> <p>(c) If the answer to part (a) is no, please explain the delay.</p> <p>(d) If the answer to part (a) is no, please state when PG&amp;E currently expects to publish the 2023 Electric Asset Management Plan.</p>	<p>(a) Please see "WMP-Discovery2023-2025_DR_CaAdvocates_039Q019(a)1A601CONF.pdf" for the completed 2023 Electric Asset Management Plan.</p>	Holy Wellman	3/22/2024	6/21/2024	6/18/2024	<a href="https://www.pge.com/Pages/Support/Utilities/Utilities/Utilities.aspx?ContentID=1039">https://www.pge.com/Pages/Support/Utilities/Utilities/Utilities.aspx?ContentID=1039</a>	1	NA	NA	N-Q270 Q866A	NA
Pre-Discovery 81	CaPA	Set WMP-39	CaPA_Set WMP-39	20	CaPA_Set WMP-39_Q20	<p>In response to data request CaAdvocates-PGE-2023WMP-39 question 6, September 27, 2023, PG&amp;E stated the following: "We will evaluate the history of response to wire down conditions in the HFRAN FTD, occurring during the regional peak wildfire season of September (May) and November 1, going back to 2020. We can complete that analysis by December 31, 2023."</p> <p>(a) Has PG&amp;E completed the analysis mentioned above?</p> <p>(b) If the answer to part (a) is yes, briefly describe your findings.</p> <p>(c) If the answer to part (a) is yes, please provide a copy of any reports or other output from the analysis.</p> <p>(d) If the answer to part (a) is no, please explain the delay.</p> <p>(e) If the answer to part (a) is no, please state when PG&amp;E currently expects to complete this analysis.</p>	<p>(a) PG&amp;E has not yet completed its evaluation. PG&amp;E is currently evaluating outage (a) HFRAN Peak Areas (HFRAN) High Fire Threat Districts (HFTD) areas with wire down conditions during peak wildfire season between May 1 and November 1 at the site.</p> <p>(b) Not applicable, please see the response to subpart (a).</p> <p>(c) Not applicable, please see the response to subpart (a).</p> <p>(d) The HFRAN HFTD Wire-Down Change Response time analysis has been delayed due to resource constraints driven by the extended 2023 wildfire season and the 2024 wildfire season planning activities.</p> <p>(e) PG&amp;E expects to complete the analysis by July 2024.</p>	Holy Wellman	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Pages/Support/Utilities/Utilities/Utilities.aspx?ContentID=1039">https://www.pge.com/Pages/Support/Utilities/Utilities/Utilities.aspx?ContentID=1039</a>	0	NA	8.2.3.4	Vegetation Management and Inspections	Fall-to-Mitigation