

50	CA	Set WMP-10	CaPa_Sat WMP-10_03	3	CaPa_Sat WMP-10_03	<p>a) Does PG&E forecast a change in the average duration of EPSS events during the 2023-2025 period?</p> <p>b) If the answer is "not at all," explain why?</p> <p>c) If the answer is "partially," provide the expected average duration of EPSS events for 2023, 2024, and 2025.</p> <p>d) If the answer is "yes," explain why?</p> <p>e) If the answer is "yes," explain why?</p> <p>f) Provide any available snapshots that support PG&E's forecasts regarding the duration of EPSS events in 2023-2025.</p>	<p>a) Not at all time.</p> <p>b) We require more operating experience before being able to accurately forecast reduction in average duration for EPSS in 2023. We have reviewed the report for 2022 in 2023.</p> <p>c) PG&E does not have any specific snapshots available.</p>	Holly Wetman	4/4/2023	4/10/2023	4/10/2023	0	NA	Grid Design, Operations, and Maintenance	Performance Metrics Identified by the Electrical Corporation
51	CA	Set WMP-10	CaPa_Sat WMP-10_04	4	CaPa_Sat WMP-10_04	<p>P-368 of PG&E's WMP states, "with regard to DTS-FAST: A prototype field test installation was completed on a 115kV tower in Martinez and a wood pole in Santa Cruz in 2022. The valuable lessons learned from the test installation include: increase reliability and reduce costs in 2022, as well as non-professional patent application for DTS-FAST. For 2023, we have no field installation plans but are working through the patent examination process, what does PG&E plan to take in 2023 to further develop DTS-FAST?"</p> <p>a) Other than PG&E's report, have additional DTS-FAST installations?</p> <p>b) Through the end of 2022, how much has PG&E spent on DTS-FAST?</p> <p>c) What portion of your response is part (c) is related to the patent application and examination process?</p> <p>d) What are your forecast costs for DTS-FAST through the 2023-2025 period?</p> <p>e) What portion of your response is part (e) is related to the patent application and examination process?</p>	<p>a) DTS-FAST 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 on both active and non-active, encompassing functional testing, environmental testing, and long-term sensor durability. Learnings were immediately applied to optimize sensor configuration.</p> <p>b) Key learnings from the field installation and testing include: 1) Clearing - we installed over 25 devices and tested their intended functionality for accuracy and reliability. These are the first of many performed. 2) Reproducibility testing verifies the consistency and reliability of sensor measurements by repeating measurements multiple times and checking the results for consistency. This test also ensures that the sensor device provides consistent and reproducible measurements. 3) Sensitivity testing evaluates the sensor's ability to detect and respond to small changes in vegetation height. This is achieved by varying the wind parameters and verifying if the sensor's output changes accordingly. 4) Range testing evaluates the sensor's operating range by evaluating its performance across its specified range of operation. This involves testing the sensor at its maximum and minimum limits, as well as at different points within its operating range. 5) Stability tests evaluate the sensor's stability over time by monitoring its output for a prolonged period under normal operating conditions. This can help identify any drift or instability in sensor readings. 6) Environmental testing evaluates the sensor's performance under different conditions that may affect its operation such as temperature, humidity, vibration, and electromagnetic interference. This can help ensure that the sensor is robust and reliable in real-world operating conditions.</p> <p>c) Failure testing evaluates the sensor's response to failure conditions, such as sensor malfunction, signal loss, or power failure, and verify if the sensor's behavior is appropriate and safe during such scenarios.</p> <p>d) The key takeaways is to test multiple batches of similar devices to verify sensor specifications on operating range and performance. During our testing, approximately 50% tested successfully. Keep in mind, none of these devices were intentionally developed to be installed on 115kV electric towers. We think most field sites to long exposure to high sustained EMF (Electric Magnetic Field) disturbances, or environmental conditions (i.e., temperature, humidity, dust, rain, fog, wind, vibrations). Based on the extensive testing conducted before field installation (lab test environment) and after installation of Martinez, and the lessons learned from these results, it has been determined that relying solely on manufacturer specifications is not sufficient. It is recommended to conduct testing of the equipment based on the specific application requirements in the specific environment of field to ensure reliable performance. For example, a specific sensor manufacturer may specify an 800-foot detection range, but in our tower installation use case, the data proved 500 feet to be the maximum operational operating distance under our field testing. As the details provided in the following link: </p>								

106	CAIPA	Set WMP-12	CAIPA_Sat_WMP-12_4	4	CAIPA_Sat_WMP-12_04	Regarding Table 9-2 (List of Frequently De-energized Circuits) in Appendix A of PG&E's WMP - Distribution Circuit Break Numbers: 4, 6, 13, 14, 19, 20, 21, 22, 23, 26, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 104, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 181, 182, 184, 186, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 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133	CaPA	Set WMP-12	CaPA_Sat WMP-12-11	11	CaPA_Sat WMP-12_11	<p>Regarding communications to customers for EPSS:</p> <p>a) When POAEE provides notification or communication to customers when EPSS settings are enabled? (If they include, but are not limited to, notifications that a customer is served by a circuit that is subject to EPSS settings and that an unplanned outage may occur, notifications of expected restoration times when an outage to EPSS settings has occurred, or if those notifications when EPSS settings are de-activated.)</p> <p>b) If the answer to part (a) is yes, please describe POAEE's approach to notifying customers about EPSS settings.</p> <p>c) Please provide an example of a message sent to a customer for each situation in part (b).</p> <p>d) An outage point (i.e., number of minutes/hours) prior to enabling EPSS settings does POAEE notify customers?</p> <p>e) At what point (i.e., number of minutes/hours) after the line is restored, after an outage triggered by EPSS settings does POAEE notify customers?</p>	Holly Wetteman	4/8/2023	4/1/2023	4/1/2023	1	NA	8.18.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
136	CaPA	Set WMP-13	CaPA_Sat WMP-13_03	3	CaPA_Sat WMP-13_03	<p>Table 7.3.1 on p. 281 of POAEE's WMP states the following objective with an estimated completion date of 12/31/2023:</p> <p>Develop a process of controlling constraints resolution. As part of the build-out of the combined constraints base, three major categories will be addressed: customer, environmental constraints (including internal POAEE procedures required to perform work and permitting constraints (including CAI) and Environmental permits).</p> <p>a) Describe what is meant by the phrase "controlling constraints resolution."</p> <p>b) Please describe the process POAEE anticipates for "controlling constraints resolution."</p> <p>c) Please describe the process POAEE plans to take to carry out customer constraints.</p> <p>d) Please describe the process POAEE plans to take to carry out environmental constraints.</p> <p>e) Please describe the process POAEE plans to take to carry out permitting constraints.</p>	Holly Wetteman	4/8/2023	4/12/2023	4/12/2023	0	NA	8.2.6	Vegetation Management and Inspections	Open Work Orders
137	CaPA	Set WMP-13	CaPA_Sat WMP-13_04	4	CaPA_Sat WMP-13_04	<p>Table 7.3.1 on p. 282 of POAEE's WMP states the following objective with an estimated completion date of 12/31/2023:</p> <p>For each major constraint category build a process for addressing each constraint type, implement the new process, and create metrics to track each constraint type.</p> <p>a) When does POAEE expect to begin implementing the process for controlling customer constraints?</p> <p>b) When does POAEE expect to begin implementing the process for controlling environmental constraints?</p> <p>c) When does POAEE expect to begin implementing the process for controlling permitting constraints?</p> <p>d) What is the earliest date POAEE expects to begin tracking benefits (e.g., reduced time to resolve constraints) as a result of the objective stated above?</p> <p>e) Why does POAEE expect that it will not until December 2025 to achieve the objectives in the passage quoted above?</p> <p>f) Between now and December 2023, how is POAEE addressing each constraint type?</p>	Holly Wetteman	4/8/2023	4/12/2023	4/12/2023	0	NA	8.2.6	Vegetation Management and Inspections	Open Work Orders
134	CaPA	Set WMP-13	CaPA_Sat WMP-13_01	1	CaPA_Sat WMP-13_01	<p>Figure POAEE-7.1.4.3 on p. 295 of POAEE's WMP shows Overhead Conductor Detection (OCD) will be implemented on 4 new distribution.</p> <p>a) What is the primary implementation (DOI) on safety distribution, 3- or 4-wire distribution, or a mix?</p> <p>b) Please state the number of overhead circuit miles of 4-wire distribution in POAEE's WFD.</p> <p>c) Please state the number of overhead circuit miles of 3-wire distribution in POAEE's WFD.</p>	Holly Wetteman	4/8/2023	4/12/2023	4/12/2023	0	NA	8.12.10.1	Grid Design and System Hardening	Overhead Conductor Detection Devices
135	CaPA	Set WMP-13	CaPA_Sat WMP-13_02	2	CaPA_Sat WMP-13_02	<p>Table 8.2.1 on p. 588 of POAEE's WMP summarizes grid control monitoring systems, including Distribution Fault Identification (DFI) and Early Fault Detection (EFD).</p> <p>a) Describe the types of faults, equipment failures, and/or other issues that DFI is capable of detecting.</p> <p>b) Describe the types of faults, equipment failures, and/or other issues that EFD is capable of detecting.</p> <p>c) Describe the types of faults, equipment failures, and/or other issues that EFD is capable of detecting, but EFD is not capable of detecting.</p> <p>d) Describe the types of faults, equipment failures, and/or other issues that EFD is capable of detecting, but DFI is not capable of detecting.</p> <p>e) If DFI is capable of locating problems or failing equipment? Please explain your response.</p> <p>f) If EFD is capable of locating problems or failing equipment? Please explain your response.</p> <p>g) Please summarize the results POAEE has seen from its DFI installations to date.</p> <p>h) Please summarize the results POAEE has seen from its EFD installations to date.</p>	Holly Wetteman	4/8/2023	4/12/2023	4/12/2023	0	NA	8.3.3.1	Situational Awareness and Forecasting	Existing Systems, Technologies, and Procedures
136	CaPA	Set WMP-13	CaPA_Sat WMP-13_05	5	CaPA_Sat WMP-13_05	<p>Table 7.4 on pp. 307-313 of POAEE's WMP lists the top risk circuit segments (i.e., "linked segments" when viewed by voltage level).</p> <p>a) Provide the risk reduction associated with "Jan. 1, 2023 Overall Risk" values. Account for risk reduction associated with EPSS. Please explain how POAEE qualified the risk reduction associated with EPSS for each of the circuit segments in Table 7.4.</p> <p>b) Do the values in the column entitled "Jan. 1, 2024 Overall Risk" account for risk reduction associated with EPSS?</p> <p>c) Do the values in the column entitled "Jan. 1, 2026 Overall Risk" account for risk reduction associated with EPSS?</p> <p>d) Do the values in the column entitled "Jan. 1, 2028 Overall Risk" account for risk reduction associated with EPSS?</p> <p>e) Please supplement Table 7.4 with the following additional column: Forecast SAGI in 2023 if EPSS were not utilized. Forecast SAGI in 2022 with EPSS.</p>	Holly Wetteman	4/8/2023	4/28/2023	4/28/2023	1	NA	7.2.2.3	Wildfire Mitigation Strategy Development	Projected Risk Reduction on High-Voltage Risk Circuits Over the 3-Year WMP Cycle
139	CaPA	Set WMP-13	CaPA_Sat WMP-13_06	6	CaPA_Sat WMP-13_06	<p>Table POAEE-8.2.2.1 on p. 168 of POAEE's WMP lists four consequence values derived from the mean MAVF of historical fires.</p> <p>a) Has POAEE performed a sensitivity study to determine the effect of these values on the output of POAEE's WFD model? If sensitivity analysis could include (for example) perturbations in the mean MAVF of historical fires calculated, at what historical fires are included in the calculation.</p> <p>b) If the answer to part (a) is yes, please summarize the results of this sensitivity study (if the answer to part (a) is no, please explain why not; if the answer to part (a) is no, does POAEE plan to perform a study or analysis similar to the one described in part (a)?</p>	Holly Wetteman	4/8/2023	4/12/2023	4/12/2023	0	NA	6.2.2.2	Risk Methodology and Assessment	Consequence
121	CaPA	Set WMP-13	CaPA_Sat WMP-13_08	8	CaPA_Sat WMP-13_08	<p>For each of the following programs, what metrics does POAEE track to validate their impact and effectiveness at reducing the risk of EPSS events?</p> <p>a) Temporary Distribution Microgrids</p> <p>b) Community Microgrid Enablement Program</p> <p>c) Microgrid Incentive Program</p>	Holly Wetteman	4/8/2023	4/12/2023	4/12/2023	0	NA	8.12.7	Grid Design and System Hardening	Microgrids
122	CaPA	Set WMP-13	CaPA_Sat WMP-13_09	9	CaPA_Sat WMP-13_09	<p>On the following programs have impact on customer reliability (e.g., frequency or duration of outages) in general, please explain your response for each program:</p> <p>a) Temporary Distribution Microgrids</p> <p>b) Community Microgrid Enablement Program</p> <p>c) Microgrid Incentive Program</p>	Holly Wetteman	4/8/2023	4/12/2023	4/12/2023	0	NA	8.12.7	Grid Design and System Hardening	Microgrids
138	CaPA	Set WMP-13	CaPA_Sat WMP-13_02	2	CaPA_Sat WMP-13_02	<p>a) Distribution Fault Identification (DFI) is designed to detect conditions that generate correct and timely automatic faulting, such as series faults (open, short, and stuck) and stuck series faults (line sag, vegetation contact, wire down), line sag, and stuck series faults caused by broken conductors.</p> <p>b) Early Fault Detection (EFD) is designed to detect conditions that generate accumulation of Radio Frequency (RF) signal that is caused by partial discharge from equipment components including broken conductor strands, falling conductors, insulator/contaminated insulators, close vegetation, and falling wires in service transformers.</p> <p>c) DFI is capable of detecting issues in which events are short and/or frequent occurrences, which are not detected by EFD. DFI, unlike EFD, can also detect issues that are more prevalent in power quality data (current, voltage, power factor, and harmonics).</p> <p>d) EFD is capable of detecting issues which are very acute and early within the failure mode that are not detectable by DFI. Examples of these issues include broken conductor strands, falling conductors, vegetation near conductors, and transformer overloads.</p> <p>e) DFI is capable of identifying issues in a circuit. If an issue occurs when used in combination with faulted circuit trip (FCT) and other protection devices, the fault will be addressed by the protection devices. DFI is not designed to accurately identify the root cause and the other tools (such as impedance locators, the network and SmartGrid) help identify the root cause and the other tools (such as impedance locators, the network and SmartGrid) help identify the root cause.</p> <p>f) EFD is capable of locating issues with high accuracy. In urban areas and large, tall structures directly served by EFD with short fault travel time of upstream.</p> <p>g) As of Dec 31, 2022, POAEE has 74 DFI devices deployed and is currently in the phase of Operational Development (OPD) implementation. As a result of this work, the DFI system has been used to identify and locate conditions or underground equipment and detect one fault-induced conductor sag. Other case cases have not been fully developed.</p> <p>h) POAEE has EFD deployed on four circuits as of Dec 31, 2022, and the technology will be the pilot phase. As a result of this work, POAEE has been able to detect 11 damaged conductors (flayed or broken), two arcing fuses, and one broken insulator.</p> <p>i) Based on the historical effectiveness performance of Enhanced Protective Safety Settings (EPSS) in 2022, we include effectiveness across each circuit segment across High Fire Threat Districts (HFTD) circuit segments. The recorded effectiveness across POAEE's HFTD circuit segments that met the risk reduction objectives is as follows:</p> <p>Effectiveness across EPSS enabled circuits that met the risk reduction objectives is summarized by circuit segment as follows:</p> <p>1) Yes, it includes the risk reduction associated with EPSS.</p> <p>2) Yes, it includes the risk reduction associated with EPSS.</p> <p>3) No, it does not include the risk reduction associated with EPSS.</p> <p>4) Please see "WMP_Documents/2023_DR_California_01-2023/Appendix 2" This is shown in table "Topology, Table Parameters C" of "C" SAGI forecast was based on reliability of data between 2020-2022. With a very limited data set on EPSS performance, the SAGI forecast at a device level may vary significantly. Some devices may not have any activity in the past year with an updated EPSS settings but could have activity in the future years. As we collect more data, the SAGI forecast will improve.</p> <p>j) Yes, a reduction sensitivity analysis was performed to determine the possible effect of these values on the output of POAEE's WFD model. Please see our response to part (a) for an explanation of our data file analysis.</p> <p>k) For circuits with High Fire Risk Areas (HFRA) on the HFRA, there is only a single metric that determines the consequences, which is the fraction of days that a location or point spans in predicted disruptive or non-disruptive conditions. There are no other perturbations. On the contrary, in the predicted disruptive fraction of days metric to the overall consequence rating of points within the HFRA (or within the non-HFRA).</p> <p>l) Changing thresholds (i.e., same length, time of year) of disruptive predicted disruptive conditions did not substantially affect the utility of the metric to the fraction of predicted disruptive days, therefore changing thresholds within HFRA (or the non-HFRA).</p> <p>m) Additionally, we evaluated whether changing predicted disruptive values could result in HFRA locations or points dropping below consequence rating of disruptive or points within the HFRA. The Data Data Mean MAVF of the High Fire Risk to HFRA (TH) programs in table POAEE-8.2.2.1 on p. 168 of POAEE's WMP are at least 3 orders of magnitude larger than that of the CAPE MAVF values for the non-HFRA circuit segments. Based on our analysis, we determined that changes to consequence rating 1 order of magnitude are not likely. Therefore, in order for changes to result in significant consequence rank shifts, the category values represented in Table POAEE-8.2.2.1 would need to be much smaller.</p> <p>n) N/A, please see the responses to subject (a) and (b).</p> <p>o) N/A, please see the responses to subject (a) and (b).</p>	Holly Wetteman	4/8/2023	4/12/2023	4/12/2023	0	NA	8.12.7	Grid Design and System Hardening	Microgrids

132	CaPA	Set WMP-15	CaPA_Sat WMP-15	3	CaPA_Sat WMP-15_03	<p>POE states in its response to Question 2 (b) of CalWaterways POE-2023WMP-08: "Two new programs, Vegetation for Operational Mitigation (VOM) and Focus Tree (vegetation FT) will only meet for the sort of work identified in this level inventory. Additionally, if any priority trees are discovered while completing the TRF scope of work, they will be added to the list for work completion with all other VMP programs. Please describe how POE intends to track trees identified for work under VOM and FT."</p> <p>POE states in its response to Question 3 (b) of CalWaterways POE-2023WMP-08 that it will conduct detailed clearance inventories "based on analysis of outage data and trends by AOC. Additionally, any tree which is within AOC will be added to the AOC before next work completion cycle in a manner given of minimal data factors for work completion cycle."</p> <p>POE will determine detailed clearance inventories using analysis of outage data and trends by AOC. POE will also "check" against the "Minimum Distance Requirement" in its inventory? Please define if not. If not, what is the "Minimum Distance Requirement" referred to here from General Order 95, or from POE's internal procedures? If the latter, please reference which procedure POE is utilizing.</p>	POE intends to track trees identified for work under VOM and FT using the Outcall tool.	Holly Wetman	4/1/2023	4/14/2023	4/14/2023	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
133	CaPA	Set WMP-15	CaPA_Sat WMP-15	4	CaPA_Sat WMP-15_04	<p>POE states in its response to Question 2 (b) of CalWaterways POE-2023WMP-08 that "Minimum VMEPS-identified outage data, historical VMEPS outage data, and customer outage 'travel' data" in deriving the VOM scope of work."</p> <p>POE states POE will utilize each of the following data types in deriving the VOM scope of work: VMEPS-identified outage data; Historical VMEPS outage data; Customer outage impact data.</p>	<p>1) VMEPS-identified outage data was used to determine both a recurring VMEPS outage and identify CPZs where EPMIS VMEPS-identified outage data was used to identify CPZs where a planned VMEPS outage took place.</p> <p>2) Customer outage impact data was used to identify customers who experienced more frequent outages.</p>	Holly Wetman	4/1/2023	4/14/2023	4/14/2023	0	NA	8.2.2.6	Vegetation Management and Inspections	Tree Removal Inventory
134	CaPA	Set WMP-15	CaPA_Sat WMP-15	5	CaPA_Sat WMP-15_05	<p>POE states in its response to Question 2 (b) of CalWaterways POE-2023WMP-08 that "For FT, at least 3000 ACUs are identified through a cross-sectional analysis of utility circuit-based regional reviews to create polygons which are geographic areas. Initial polygons developed utilized WORMA's computerized system, Public Safety Specialist (PSS) circuit-based analysis, 30-year lookback of metering data, and analysis, identified PSPS Lookback Polygons. PSPS Vegetation Damage locations, vegetation-caused ignition data, and vegetation-caused outage data. The process is intended to be performed iteratively to identify when trends, models, or emerging available data indicated higher likelihood of tree-caused damage or outages."</p> <p>POE explain how the various methods of data will be utilized in developing AOC polygons for the FTI scope of work.</p> <p>WORMA's computerized system (PSS) circuit-based analysis and expertise</p> <p>30-year lookback of metering data and analysis</p> <p>WORMA's computerized system (PSS) Vegetation Damage Locations</p> <p>Vegetation-caused ignition data</p> <p>Vegetation-caused outage data</p> <p>POE explain and describe "PSPS Lookback Polygons"</p> <p>What is the threshold of likelihood of tree-caused damage or outages at which particular location is determined to be an AOC?</p>	<p>1) WORMA Computerized system (PSS) circuit-based risk assessments were not specifically developed to identify vegetation risks but often aligned the outage cluster data also utilized for the project. When strong alignment existed between circuits PSS output very high to be reviewed and overlaid with other VMEPS-specific ignition, or PSPS damage data an AOC polygon was developed if a PSPS very high to be reviewed circuit was not identified or did not align with other VMEPS data in respective AOC polygons were not developed.</p> <p>2) 30-year metering-to-analysis data was provided to the AOC development team to understand historical Diablos and other PSPS conditions at the regional level. This was additional context and utilized on an as-needed basis for AOC polygons. At the recommendation of the Metering Team it was determined that the PSPS lookback polygons described in the report were not needed for use in AOC development.</p> <p>3) PSPS circuit-based polygons identified geographic areas impacted by PSPS 2015-2021. When these strongly aligned with other VMEPS-specific outage, ignition, or PSPS damage data, AOC polygons were developed.</p> <p>4) VMEPS outage damage data was used to identify customers who experienced higher frequency of historical vegetation-caused outages. This was used to identify customers who experienced more frequent outages and AOC polygons were developed to include areas where historical ignition events were attributed to tree contacts.</p> <p>5) This data was broken into size classes to further inform when these ignition events were attributed to tree contacts (challenging for initial commitment).</p> <p>6) Vegetation-caused outage data 2018-2021 was consolidated into buffered clusters by frequency. This data was further filtered for winter season and summer season. Outages were used as a proxy for potential ignition. This was considered a strong proxy contributing customer based on the description that winter season has higher frequency of historical outages were more likely to experience future outages without additional mitigation.</p> <p>7) The process of identifying AOC polygons was iterative and refined through multiple iterations.</p> <p>8) No predetermined thresholds were created to develop AOC for 2023. This effort was intended to build foundational knowledge and best available data to identify areas that could be evaluated against existing risks. This is a new process intended to improve additional awareness for vegetation management. It is anticipated that AOCs will continue to evolve through a repeated process. Addressing and removing AOCs will be based on the experience and data gained.</p> <p>9) The process was provided for the first three years of the program with intent to keep up annual pace - 3 years is a starting point to plan the pace of work completion however, the lessons learned will inform the completion timeline.</p> <p>10) We anticipate that there will be opportunities in the initial years of the program for lessons learned regarding safety, effectiveness, and coordination with other system handling activities, so the program has been designed to keep up over the first three years.</p> <p>11) The goals of 2023 and beyond are not determined. The inventory has been learned in the first three years will be used to guide 2023 and beyond.</p> <p>12) We do not have the aerial ignition risk posed by the program. However, based on the WORMA's assigned aerial ignition risk assessment, the program is not expected to pose a significant aerial ignition risk. The program is designed to reduce wildfire impact (calculated for 1.41). This has inventory is identified to reduce the ignition risk driven by vegetation.</p> <p>13) It is difficult to predict how long the inventory would have taken to work down if the program persisted since new work is added to the inventory while existing work is being completed.</p> <p>14) The process was provided for the first three years of the program with intent to keep up annual pace - 3 years is a starting point to plan the pace of work completion however, the lessons learned will inform the completion timeline.</p> <p>15) We anticipate that there will be opportunities in the initial years of the program for lessons learned regarding safety, effectiveness, and coordination with other system handling activities, so the program has been designed to keep up over the first three years.</p>	Holly Wetman	4/1/2023	4/14/2023	4/14/2023	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
135	CaPA	Set WMP-15	CaPA_Sat WMP-15	6	CaPA_Sat WMP-15_06	<p>POE states in its response to Question 2 (b) of CalWaterways POE-2023WMP-08 that "The Wildlife Risk Model (WRM) is used to prioritize tree work for the VOM program."</p> <p>POE explain how the WRM is used to prioritize tree work for the VOM program.</p> <p>POE explain how the WRM is used to prioritize tree work for the VOM program.</p> <p>POE explain how the WRM is used to prioritize tree work for the VOM program.</p>	<p>1) The WRM is used to prioritize tree work for the VOM program.</p> <p>2) The WRM is used to prioritize tree work for the VOM program.</p> <p>3) The WRM is used to prioritize tree work for the VOM program.</p>	Holly Wetman	4/1/2023	4/14/2023	4/14/2023	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
136	CaPA	Set WMP-15	CaPA_Sat WMP-15	7	CaPA_Sat WMP-15_07	<p>POE states in its response to Question 2 (b) of CalWaterways POE-2023WMP-08: "The Wildlife Risk Model (WRM) is used to prioritize tree work for the VOM program."</p> <p>POE explain how the WRM is used to prioritize tree work for the VOM program.</p> <p>POE explain how the WRM is used to prioritize tree work for the VOM program.</p> <p>POE explain how the WRM is used to prioritize tree work for the VOM program.</p>	<p>1) The WRM is used to prioritize tree work for the VOM program.</p> <p>2) The WRM is used to prioritize tree work for the VOM program.</p> <p>3) The WRM is used to prioritize tree work for the VOM program.</p>	Holly Wetman	4/1/2023	4/14/2023	4/14/2023	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
137	CaPA	Set WMP-15	CaPA_Sat WMP-15	8	CaPA_Sat WMP-15_08	<p>POE states in its response to Question 2 (b) of CalWaterways POE-2023WMP-08 that "The Wildlife Risk Model (WRM) is used to prioritize tree work for the VOM program."</p> <p>POE explain how the WRM is used to prioritize tree work for the VOM program.</p> <p>POE explain how the WRM is used to prioritize tree work for the VOM program.</p> <p>POE explain how the WRM is used to prioritize tree work for the VOM program.</p>	<p>1) The WRM is used to prioritize tree work for the VOM program.</p> <p>2) The WRM is used to prioritize tree work for the VOM program.</p> <p>3) The WRM is used to prioritize tree work for the VOM program.</p>	Holly Wetman	4/1/2023	4/14/2023	4/14/2023	0	NA	8.2.2.3	Vegetation Management and Inspections	VM for Operational Mitigation
138	CaPA	Set WMP-15	CaPA_Sat WMP-15	9	CaPA_Sat WMP-15_09	<p>POE states in its response to Question 2 (b) of CalWaterways POE-2023WMP-08 that "POE will utilize EPMIS (Public Safety Specialist (PSS) circuit-based analysis) to identify and generate additional tree work throughout the year."</p> <p>POE explain how EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p> <p>POE explain how EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p>	<p>1) The EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p> <p>2) The EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p>	Holly Wetman	4/1/2023	4/14/2023	4/14/2023	0	NA	8.2.2.3	Vegetation Management and Inspections	VM for Operational Mitigation
139	CaPA	Set WMP-15	CaPA_Sat WMP-15	10	CaPA_Sat WMP-15_10	<p>POE states in its response to Question 4 (a) of CalWaterways POE-2023WMP-08 that "Pilot AOCs are prioritized using WORMA. The final pilot AOCs selected for 2023 incorporated additional reviews from the VM Education Operational Team to inform the program development process."</p> <p>POE explain how WORMA is used to prioritize tree work for the VOM program.</p> <p>POE explain how WORMA is used to prioritize tree work for the VOM program.</p> <p>POE explain how WORMA is used to prioritize tree work for the VOM program.</p>	<p>1) WORMA selection process was selected at the AOC level for each segment within AOC polygons.</p> <p>2) The resulting WORMA prioritized areas were assigned AOC, leading to a strong work plan as described in response 2.</p> <p>3) The four pilot areas were all selected from the higher ranked branches as prioritized by WORMA. These branches had the highest risk scores based on the WORMA model (see Appendix B: WORMA Model Output Data for 2023 and 2024) and 15 (California County) were selected for pilots. While these selections do not directly follow a 1-to-WORMA ranking they are a top ranked prioritized ranking and meet the goal to begin the program with different vegetation types to support broader program development business requirements, processes and potential evaluation in execution.</p>	Holly Wetman	4/1/2023	4/14/2023	4/14/2023	0	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
140	CaPA	Set WMP-15	CaPA_Sat WMP-15	11	CaPA_Sat WMP-15_11	<p>POE states in its response to Question 4 (a) of CalWaterways POE-2023WMP-08 that "POE will utilize EPMIS (Public Safety Specialist (PSS) circuit-based analysis) to identify and generate additional tree work throughout the year."</p> <p>POE explain how EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p> <p>POE explain how EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p>	<p>1) EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p> <p>2) EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p>	Holly Wetman	4/1/2023	4/14/2023	4/14/2023	0	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
141	CaPA	Set WMP-15	CaPA_Sat WMP-15	12	CaPA_Sat WMP-15_12	<p>POE states in its response to Question 4 (a) of CalWaterways POE-2023WMP-08 that "POE will utilize EPMIS (Public Safety Specialist (PSS) circuit-based analysis) to identify and generate additional tree work throughout the year."</p> <p>POE explain how EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p> <p>POE explain how EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p>	<p>1) EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p> <p>2) EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p>	Holly Wetman	4/1/2023	4/14/2023	4/14/2023	0	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
142	CaPA	Set WMP-15	CaPA_Sat WMP-15	13	CaPA_Sat WMP-15_13	<p>POE states in its response to Question 4 (a) of CalWaterways POE-2023WMP-08 that "POE will utilize EPMIS (Public Safety Specialist (PSS) circuit-based analysis) to identify and generate additional tree work throughout the year."</p> <p>POE explain how EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p> <p>POE explain how EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p>	<p>1) EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p> <p>2) EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p>	Holly Wetman	4/1/2023	4/14/2023	4/14/2023	1	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
143	CaPA	Set WMP-15	CaPA_Sat WMP-15	14	CaPA_Sat WMP-15_14	<p>POE states in its response to Question 4 (a) of CalWaterways POE-2023WMP-08 that "POE will utilize EPMIS (Public Safety Specialist (PSS) circuit-based analysis) to identify and generate additional tree work throughout the year."</p> <p>POE explain how EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p> <p>POE explain how EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p>	<p>1) EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p> <p>2) EPMIS (Public Safety Specialist (PSS) circuit-based analysis) will be used to identify and generate additional tree work throughout the year.</p>	Holly Wetman	4/1/2023	4/14/2023	4/14/2023	1	NA	8.2.3.4	Vegetation Management and Inspections	Field Mitigation
144	CaPA	Set WMP-15	CaPA_Sat WMP-15	15	CaPA_Sat WMP-15_15	<p>POE states in its response to Question 12 of CalWaterways POE-2023WMP-08 that "Should a program fail before a 95% pass rate, catch-back plans will be developed in partnership with VM operations to mitigate for specific areas of the 'downstream' 'catch back plan'."</p> <p>POE explain how catch-back plans will be developed in partnership with VM operations to mitigate for specific areas of the 'downstream' 'catch back plan'.</p>	<p>1) Catch-back plans will be developed in partnership with VM operations to mitigate for specific areas of the 'downstream' 'catch back plan'.</p>	Holly Wetman	4/1/2023	4/14/2023	4/14/2023	0	NA	8.2.5	Vegetation Management and Inspections	Quality Assurance/Quality Control
145	CaPA	Set WMP-15	CaPA_Sat WMP-15	16	CaPA_Sat WMP-15_16	<p>POE states in its response to Question 13 (parts a, b, and c) of CalWaterways POE-2023WMP-08 that "Improved quality verification has been established for 2023, allowing for greater flexibility in revised VM work projects throughout and risk identification/clarification. Clear definitions of acceptance criteria, sampling methodology (population eligibility), and pass rate calculations were established and communicated across the VM organization prior to beginning 2023 audits."</p> <p>POE explain how the "improved quality verification" has been established for 2023.</p> <p>POE explain how the "improved quality verification" has been established for 2023.</p> <p>POE explain how the "improved quality verification" has been established for 2023.</p>	<p>1) Improved quality verification has been established for 2023, allowing for greater flexibility in revised VM work projects throughout and risk identification/clarification. Clear definitions of acceptance criteria, sampling methodology (population eligibility), and pass rate calculations were established and communicated across the VM organization prior to beginning 2023 audits.</p> <p>2) Improved quality verification has been established for 2023, allowing for greater flexibility in revised VM work projects throughout and risk identification/clarification. Clear definitions of acceptance criteria, sampling methodology (population eligibility), and pass rate calculations were established and communicated across the VM organization prior to beginning 2023 audits.</p> <p>3) Improved quality verification has been established for 2023, allowing for greater flexibility in revised VM work projects throughout and risk identification/clarification. Clear definitions of acceptance criteria, sampling methodology (population eligibility), and pass rate calculations were established and communicated across the VM organization prior to beginning 2023 audits.</p>	Holly Wetman	4/1/2023	4/14/2023	4/14/2023	0	NA	8.2.5.1	Vegetation Management and Inspections	Quality Assurance and Quality Verification

243	CAIPA	Set WMP-18	CAIPA_Sat WMP-18-18	4	CAIPA_Sat WMP-18-04	<p>in New Years was selected as the starting point based on a realistically achievable average pace of approximately 23,000 trees removed per year (23,000 ÷ 9 = 2,555) with the pace and duration of the program to be re-evaluated as needed based on the lessons learned from the initial areas of the program. As of August 29, 2022, when the Tree Removal Inventory (TRI) program was being formalized, it was estimated that approximately 250,000 trees would remain at the conclusion of the Enhanced Vegetation Management (EVM) in 2025. Of these trees listed for a work prescription of removal were identified as needing re-inspection due to having Tree Assessment Tool (TAT) ratings other than "Abate," typically being either "Monitor" or "Remove." Additionally, over the course of nine years all trees would still be inspected twice per year, once by the Routine Annual Inspection and once during the Second Patrol cycles, which would allow for mitigation to any trees with increased conditions to complete the work. However, new trees was selected as the starting point. The pace may be adjusted based on the amount and composition of the work, and the success rate of completed removal. We do not currently intend for the Tree Inventory Program to continue for more than nine years.</p>	Holly Wetteman	4/24/2023	4/27/2023	4/27/2023	0	NA	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
250	CAIPA	Set WMP-18	CAIPA_Sat WMP-18-18	5	CAIPA_Sat WMP-18-05	<p>in response to question 19b(3)(i) of CA/Advocates-PGE-2023WMP-18: PGEAE states: The difference in projected vegetation management costs of \$24,981,000 between 2023 and 2024 is due to several factors, this is how PGEAE will achieve this reduction: (1) Transitioning from EVM to three new programs: reducing the amount of Routine VM work conducted each year commensurate with the amount of undergrounding miles completed, and (2) reducing unit costs through efficiencies over the nine year period through targeted programmatic adjustments that refine processes and improve resource efficiency. (b) How does transitioning from EVM to three new programs result in a cost reduction? (c) Please provide the following information about anticipated VM cost reductions from undergrounding in the table below: Year Number of Undergrounding Miles to be Completed Planned reduction in Number of Routine VM Miles Amount of Routine VM Cost Savings from Undergrounding (\$\$\$) 2023 2024 2025 2026</p>	Holly Wetteman	4/24/2023	4/27/2023	4/27/2023	0	NA	8.2.5.2	Vegetation Management and Inspections	Quality Control
250	CAIPA	Set WMP-18	CAIPA_Sat WMP-18-18	5(u)	CAIPA_Sat WMP-18-05(u)	<p>in response to question 19b(3)(ii) of CA/Advocates-PGE-2023WMP-18: PGEAE states: The difference in projected vegetation management costs of \$24,981,000 between 2023 and 2024 is due to several factors, this is how PGEAE will achieve this reduction: (1) Transitioning from EVM to three new programs: reducing the amount of Routine VM work conducted each year commensurate with the amount of undergrounding miles completed, and (2) reducing unit costs through efficiencies over the nine year period through targeted programmatic adjustments that refine processes and improve resource efficiency. (b) How does transitioning from EVM to three new programs result in a cost reduction? (c) Please provide the following information about anticipated VM cost reductions from undergrounding in the table below: Year Number of Undergrounding Miles to be Completed Planned reduction in Number of Routine VM Miles Amount of Routine VM Cost Savings from Undergrounding (\$\$\$) 2023 2024 2025 2026</p>	Holly Wetteman	4/24/2023	4/28/2023	4/28/2023	0	NA	8.2.5.2	Vegetation Management and Inspections	Quality Control
251	CAIPA	Set WMP-18	CAIPA_Sat WMP-18-18	6	CAIPA_Sat WMP-18-06	<p>in response to question 19b(3)(iii) of CA/Advocates-PGE-2023WMP-18: PGEAE states: The difference in projected vegetation management costs of \$24,981,000 between 2023 and 2024 is due to several factors, this is how PGEAE will achieve this reduction: (1) Transitioning from EVM to three new programs: reducing the amount of Routine VM work conducted each year commensurate with the amount of undergrounding miles completed, and (2) reducing unit costs through efficiencies over the nine year period through targeted programmatic adjustments that refine processes and improve resource efficiency. (b) How does transitioning from EVM to three new programs result in a cost reduction? (c) Please provide the following information about anticipated VM cost reductions from undergrounding in the table below: Year Number of Undergrounding Miles to be Completed Planned reduction in Number of Routine VM Miles Amount of Routine VM Cost Savings from Undergrounding (\$\$\$) 2023 2024 2025 2026</p>	Holly Wetteman	4/24/2023	4/27/2023	4/27/2023	0	NA	8.2.5.2	Vegetation Management and Inspections	Quality Control
252	CAIPA	Set WMP-18	CAIPA_Sat WMP-18-18	7	CAIPA_Sat WMP-18-07	<p>in response to question 19b(3)(iv) of CA/Advocates-PGE-2023WMP-18: PGEAE states: The difference in projected vegetation management costs of \$24,981,000 between 2023 and 2024 is due to several factors, this is how PGEAE will achieve this reduction: (1) Transitioning from EVM to three new programs: reducing the amount of Routine VM work conducted each year commensurate with the amount of undergrounding miles completed, and (2) reducing unit costs through efficiencies over the nine year period through targeted programmatic adjustments that refine processes and improve resource efficiency. (b) How does transitioning from EVM to three new programs result in a cost reduction? (c) Please provide the following information about anticipated VM cost reductions from undergrounding in the table below: Year Number of Undergrounding Miles to be Completed Planned reduction in Number of Routine VM Miles Amount of Routine VM Cost Savings from Undergrounding (\$\$\$) 2023 2024 2025 2026</p>	Holly Wetteman	4/24/2023	4/27/2023	4/27/2023	0	NA	8.2	Vegetation Management and Inspections	NA
252	CAIPA	Set WMP-18	CAIPA_Sat WMP-18-18	7	CAIPA_Sat WMP-18-07	<p>in response to question 19b(3)(v) of CA/Advocates-PGE-2023WMP-18: PGEAE states: The difference in projected vegetation management costs of \$24,981,000 between 2023 and 2024 is due to several factors, this is how PGEAE will achieve this reduction: (1) Transitioning from EVM to three new programs: reducing the amount of Routine VM work conducted each year commensurate with the amount of undergrounding miles completed, and (2) reducing unit costs through efficiencies over the nine year period through targeted programmatic adjustments that refine processes and improve resource efficiency. (b) How does transitioning from EVM to three new programs result in a cost reduction? (c) Please provide the following information about anticipated VM cost reductions from undergrounding in the table below: Year Number of Undergrounding Miles to be Completed Planned reduction in Number of Routine VM Miles Amount of Routine VM Cost Savings from Undergrounding (\$\$\$) 2023 2024 2025 2026</p>	Holly Wetteman	4/24/2023	4/28/2023	4/28/2023	0	NA	8.1.3.2.3	Asset Inspections	Invasive Plant Inspections
259	CAIPA	Set WMP-19	CAIPA_Sat WMP-19-19	1	CAIPA_Sat WMP-19-01	<p>in response to question 19b(3)(vi) of CA/Advocates-PGE-2023WMP-19: PGEAE states: The difference in projected vegetation management costs of \$24,981,000 between 2023 and 2024 is due to several factors, this is how PGEAE will achieve this reduction: (1) Transitioning from EVM to three new programs: reducing the amount of Routine VM work conducted each year commensurate with the amount of undergrounding miles completed, and (2) reducing unit costs through efficiencies over the nine year period through targeted programmatic adjustments that refine processes and improve resource efficiency. (b) How does transitioning from EVM to three new programs result in a cost reduction? (c) Please provide the following information about anticipated VM cost reductions from undergrounding in the table below: Year Number of Undergrounding Miles to be Completed Planned reduction in Number of Routine VM Miles Amount of Routine VM Cost Savings from Undergrounding (\$\$\$) 2023 2024 2025 2026</p>	Holly Wetteman	4/25/2023	4/28/2023	4/28/2023	0	NA	8.1	Grid Design, Operations, and Maintenance	Down Conductor Detection Devices, Rapid Earth Fault Current Limiter

433	CAfPA	Set WMP-28	CAfPA_Sat_WMP-28	12	CAfPA_Sat_WMP-28_012	<p>RH-PCGE-23-04 PCGE states that an isolation zone is "similar to a circuit protection zone" (footnote 16 on page 52) in a "full-time isolation zone." a) Describe the isolation zone in an area between isolation devices that can be de-energized in support of maintenance purposes. It is provided for the isolation zone segments between or between isolation devices, where an isolation device is a member of the set of Circuit Breaker, Dynamic Protective Device, Fuse, or Switch devices. b) No isolation zone is not identified as a circuit protection zone. c) A Circuit Protection Zone (CPZ) is a segment of a distribution circuit between two protection devices. CPZs are also sometimes referred to as circuit segments. d) As described above, an isolation zone is an area between isolation devices where a Dynamic Protective Device is the type of isolation device that can be de-energized. Therefore, an isolation zone can be the same as a CPZ but typically is smaller in size. There are other types of isolation devices beyond the Dynamic Protective Device that are not identified as CPZs.</p>	Holly Wetmore	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
434	CAfPA	Set WMP-28	CAfPA_Sat_WMP-28	13	CAfPA_Sat_WMP-28_013	<p>RH-PCGE-23-04 Page 55 of PCGE's response states, with regard to field safety reassessments, "inspectors can also recommend that a notification be cancelled if the below items are met or if it was already completed." a) Describe the process by which an inspector performing a field safety reassessment can recommend a notification be cancelled. b) If an inspector performing a field safety reassessment recommends that a notification be cancelled, do any additional checks or verifications take place prior to cancelling the notification? c) If the answer to part (b) is yes, describe such additional checks or verifications. d) If the answer to part (b) is no, explain why not.</p>	Holly Wetmore	8/10/2023	8/16/2023	8/16/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
435	CAfPA	Set WMP-28	CAfPA_Sat_WMP-28	14	CAfPA_Sat_WMP-28_014	<p>RH-PCGE-23-04 Table RH-PCGE-23-04-6 on page 59 of PCGE's response estimates PCGE will create 70,200 level two tags in 2023, 54,700 level two tags in 2024, and 53,700 level two tags in 2025. a) State the basis for the reduced number of level 2 tags PCGE forecasts being created in 2024 and 2025 compared to 2023.</p>	Holly Wetmore	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
436	CAfPA	Set WMP-28	CAfPA_Sat_WMP-28	15	CAfPA_Sat_WMP-28_015	<p>RH-PCGE-23-04 Page 63 of PCGE's response states, "For example, we have found certain splices (e.g., splices within five feet of an isolation and number of splices per segment) not to pose an increased risk of ignition, instead of taking mitigation action maintenance log the splices are better addressed by the asset management team as they are a normal part of asset health." a) Describe how the asset management team can track splices if a maintenance log is not used. b) Describe how the asset management team would monitor splices that do not require an ignition, seal, and therefore do not have a maintenance log. c) Describe how the asset management team can use splices as an indicator of "hotline, asset health" and under what circumstances does the asset management team take action based on this indicator?</p>	Holly Wetmore	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
439	CAfPA	Set WMP-28	CAfPA_Sat_WMP-28	18	CAfPA_Sat_WMP-28_018	<p>RH-PCGE-23-05 Page 77 of PCGE's response states, "Based on our review of the preliminary updated mitigation effectiveness of EVM, PCGE has decided to discontinue the use of the TAT and will be moving forward with industry accepted assessments using the TRAQ tool." a) Provide the approximate metrics by which PCGE plans to measure the effectiveness of the TAT work, as approximately 97 percent compared to the 99 percent. b) Describe how PCGE calculated the effectiveness in 97.7 percent. c) Provide supporting data and workpapers for your response to part (a).</p>	Holly Wetmore	8/10/2023	8/15/2023	8/15/2023	1	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
440	CAfPA	Set WMP-28	CAfPA_Sat_WMP-28	19	CAfPA_Sat_WMP-28_019	<p>RH-PCGE-23-07 Page 102 of PCGE's response states, "The TAT was developed to fit the scope of the EVM program. With the conclusion of EVM, PCGE has decided to discontinue the use of the TAT and will be moving forward with industry accepted assessments using the TRAQ tool." a) Given the beginning of 2024, the scope of FTI will be similar to the scope of EVM (approximately 1,800 miles). In determining the scope of FTI, did you consider the scope of FTI? b) Describe the steps in which the TAT and TRAQ tools are similar. c) Describe the steps in which the TAT and TRAQ tools are different.</p>	Holly Wetmore	8/10/2023	8/15/2023	8/15/2023	2	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
441	CAfPA	Set WMP-28	CAfPA_Sat_WMP-28	20	CAfPA_Sat_WMP-28_020	<p>RH-PCGE-23-07 Page 104 of PCGE's response states, "Given that we began working with the ISA TRAQ in 2023, data does not exist when to observe any comparative effectiveness differences between ISA TRAQ and the TAT." a) Provide the approximate metrics by which PCGE plans to measure the effectiveness of the TAT work, as approximately 97 percent compared to the 99 percent. b) Describe how PCGE calculated the effectiveness in 97.7 percent. c) Provide supporting data and workpapers for your response to part (a).</p>	Holly Wetmore	8/10/2023	8/15/2023	8/15/2023	0	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
447	CAfPA	Set WMP-29	CAfPA_Sat_WMP-29	8	CAfPA_Sat_WMP-29_008	<p>Page 2 of PCGE's reply comments filed on September 1, 2023, states: "The number of outages in the HFRA from May to October increased significantly from 2021 to 2022. Additionally, the number of outages in the HFRA during the same time period was only slightly higher in 2022 (8,140 outage events) than in 2020 (8,138 outage events) before the PFIS was established." Per PCGE's quarterly data reports, PCGE generally experienced fewer HFRA circuit-mile days in 2022 than in 2020. 01 2020 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000</p>	Holly Wetmore	9/7/2023	9/7/2023	9/7/2023	0	NA	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
450	CAfPA	Set WMP-29	CAfPA_Sat_WMP-29	1	CAfPA_Sat_WMP-29_001	<p>Page 35 of PCGE's response states, "PCGE is currently working to integrate OC with our execution processes to ensure quality during initial and secondary." a) Provide the approximate metrics by which PCGE plans to implement the integrated OC process, described above. b) Please provide any internal protocols, procedures, reports, or other documentation that describes PCGE's proposed integrated OC process. c) Please provide any procedures, handbooks, checklists, or job aids that personnel will use when implementing PCGE's proposed integrated OC process.</p>	Holly Wetmore	9/7/2023	9/27/2023	9/27/2023	0	NA	8.1.6	Quality Assurance and Quality Control	NA
451	CAfPA	Set WMP-29	CAfPA_Sat_WMP-29	2	CAfPA_Sat_WMP-29_002	<p>PCGE's response to Data Request No. CA-Aviation_IDR-Q001 on August 15, 2023, states: "OC is integrating with execution processes by completing OC as a critical line item that has been historically excluded, allowing for limited opportunities for re-assigning inspectors, sharing banners, and making corrections, as necessary." a) What are the maximum, minimum and average OC completion times for detailed ground distribution inspections in 2022? b) What are the maximum, minimum and average OC completion times for detailed ground distribution inspections in 2023? c) What are the expected/desired maximum, minimum, and average OC completion times for detailed ground distribution inspections after integration with execution processes?</p>	Holly Wetmore	9/7/2023	9/27/2023	9/27/2023	1	NA	8.1.6	Quality Assurance and Quality Control	NA
452	CAfPA	Set WMP-29	CAfPA_Sat_WMP-29	3	CAfPA_Sat_WMP-29_003	<p>PCGE's response to Data Request No. CA-Aviation_IDR-Q001 on August 15, 2023, states: "OC is integrating with execution processes by completing OC as a critical line item that has been historically excluded, allowing for limited opportunities for re-assigning inspectors, sharing banners, and making corrections, as necessary." a) What are the maximum, minimum and average OC completion times for detailed ground distribution inspections and subsequent OC? b) Does PCGE have an internal standard for the maximum amount of time between detailed ground distribution inspection and subsequent OC? c) If the answer to part (a) is yes, provide any procedures, handbooks, checklists, or job aids that define the amount of time between detailed ground distribution inspection and subsequent OC or PCGE's current OC process. d) If the answer to part (a) is no, how does PCGE determine when to perform OC following a detailed ground distribution inspection?</p>	Holly Wetmore	9/7/2023	9/27/2023	9/27/2023	0	NA	8.1.6	Quality Assurance and Quality Control	NA

471	CaPA	Set WMP-30	CaPA_Set WMP-30	7	CaPA_Set WMP-30_07	<p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&E's responses to questions 1-622 above.</p> <p>(a) Has PG&E created a detailed overview document that details the WDRM v4, similar to the 2021 WDRM Distribution Risk Model Overview that PG&E submitted following the public workshop held on October 5 and 6, 2021?</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&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) Has PG&E created a detailed, plain-language overview document to the community?</p> <p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&E's responses to questions 1-622 above.</p> <p>Pages 75 of PG&E's 2022-2025 Wildfire Mitigation Plan Supplemental Responses to Revision Notice, September 27, 2022, states, "When we begin using the WDRM as an assessment tool for the WDRM (Wildfire Benefits Cost Analysis), risk scoring and project prioritization will include wildfire risk reduction, reliability benefits, public safety, project cost, and other factors that present a more balanced view into the costs and benefits of an underlying project."</p> <p>(a) Does the WDRM v4 include an estimation of reliability benefits, as discussed in the above quote? Please explain if yes.</p> <p>(b) Does the WDRM v4 include an estimation of public safety, as discussed in the above quote? Please explain if yes.</p> <p>(c) Does the WDRM v4 include an estimation of project costs, as discussed in the above quote? Please explain if yes.</p>	<p>(b) - (e) As stated in the response to Questions 001-005, the WDRM v4 is not currently available. PG&E plans to make the model information available with the 2025 WMP Update. PG&E will provide a copy of the model information to the community as part of the 2025 WMP Update.</p>	Holly Wetman	10/11/2023	10/25/2023	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	8	CaPA_Set WMP-30_08	<p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&E's responses to questions 1-622 above.</p> <p>Pages 75 of PG&E's 2022-2025 Wildfire Mitigation Plan Supplemental Responses to Revision Notice, September 27, 2022, states, "When we begin using the WDRM as an assessment tool for the WDRM (Wildfire Benefits Cost Analysis), risk scoring and project prioritization will include wildfire risk reduction, reliability benefits, public safety, project cost, and other factors that present a more balanced view into the costs and benefits of an underlying project."</p> <p>(a) Does the WDRM v4 include an estimation of reliability benefits, as discussed in the above quote? Please explain if yes.</p> <p>(b) Does the WDRM v4 include an estimation of public safety, as discussed in the above quote? Please explain if yes.</p> <p>(c) Does the WDRM v4 include an estimation of project costs, as discussed in the above quote? Please explain if yes.</p>	<p>(b) - (c) The WDRM v4 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>	Holly Wetman	10/11/2023	10/25/2023	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	1	CaPA_Set WMP-31_01	<p>The following questions pertain to PG&E's 2021-2025 WMP Revision 3, submitted on September 27, 2023, Section 8.1.7 - Open Work Orders.</p> <p>On page 530 of your 2021-2025 WMP R3, PG&E provided a table (Table 8-8-1) showing the total number of past due transmission asset work orders by age and HFTD tier. Please provide 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</p> <p>(Through September 30, 2023)</p> <p>HFTD Area</p> <p>0 - 30 Days</p> <p>31 - 60 Days</p> <p>61 - 90 Days</p> <p>91 - 180 Days</p> <p>181+ Days</p> <p>Non - HFTD</p> <p>HFTD Tier 2</p> <p>HFTD Tier 3</p>	<p>Please see the table below for the requested information.</p> <p>Number of Past Due Transmission Asset Work Orders Categorized by Age</p> <p>(Through September 30, 2023)</p> <p>HFTD Area</p> <p>0 - 30 Days</p> <p>31 - 60 Days</p> <p>61 - 90 Days</p> <p>91 - 180 Days</p> <p>181+ Days</p> <p>Non - HFTD</p> <p>HFTD Tier 2</p> <p>HFTD Tier 3</p> <p>2023-09-30</p> <p>0 - 30 Days: 1,105</p> <p>31 - 60 Days: 1,105</p> <p>61 - 90 Days: 1,105</p> <p>91 - 180 Days: 1,105</p> <p>181+ Days: 1,105</p> <p>Non - HFTD: 1,105</p> <p>HFTD Tier 2: 1,105</p> <p>HFTD Tier 3: 1,105</p>	Holly Wetman	10/12/2023	10/28/2023	10/25/2023	0	NA	8.1.7	Open Work Orders	NA
474	CaPA	Set WMP-31	CaPA_Set WMP-31	2	CaPA_Set WMP-31_02	<p>The following questions pertain to PG&E's 2021-2025 WMP Revision 3, submitted on September 27, 2023, Section 8.1.7 - Open Work Orders.</p> <p>On page 530 of your 2021-2025 WMP R3, PG&E provided a table (Table 8-8-1) showing the total number of past due distribution asset work orders by age and HFTD tier. Please provide a similar table for past due distribution asset work orders by age and HFTD tier as of September 30, 2023.</p> <p>Number of Past Due Distribution Asset Work Orders Categorized by Age</p> <p>(Through September 30, 2023)</p> <p>HFTD Area</p> <p>0 - 30 Days</p> <p>31 - 60 Days</p> <p>61 - 90 Days</p> <p>91 - 180 Days</p> <p>181+ Days</p> <p>Non - HFTD</p> <p>HFTD Tier 2</p> <p>HFTD Tier 3</p>	<p>Please see the table below for the requested information.</p> <p>Number of Past Due Distribution Asset Work Orders Categorized by Age</p> <p>(Through September 30, 2023)</p> <p>HFTD Area</p> <p>0 - 30 Days</p> <p>31 - 60 Days</p> <p>61 - 90 Days</p> <p>91 - 180 Days</p> <p>181+ Days</p> <p>Non - HFTD</p> <p>HFTD Tier 2</p> <p>HFTD Tier 3</p> <p>2023-09-30</p> <p>0 - 30 Days: 1,105</p> <p>31 - 60 Days: 1,105</p> <p>61 - 90 Days: 1,105</p> <p>91 - 180 Days: 1,105</p> <p>181+ Days: 1,105</p> <p>Non - HFTD: 1,105</p> <p>HFTD Tier 2: 1,105</p> <p>HFTD Tier 3: 1,105</p>	Holly Wetman	10/12/2023	10/28/2023	10/25/2023	0	NA	8.1.7	Open Work Orders	NA
475	CaPA	Set WMP-31	CaPA_Set WMP-31	3	CaPA_Set WMP-31_03	<p>The following questions pertain to PG&E's 2021-2025 WMP Revision 3, submitted on September 27, 2023, Section 8.1.7 - Open Work Orders.</p> <p>On page 530 of your 2021-2025 WMP R3, PG&E stated with regard to distribution asset work orders: "PG&E tracks the number of past due asset work orders, categorized by age, in the HFTD from 02/01/2022 through 02/01/2023."</p> <p>(a) Please list the reasons why PG&E was unable to provide the number of past due asset work orders, categorized by age, in the HFTD in the table above.</p> <p>(b) Please list any steps PG&E has taken to improve its ability to provide the number of past due asset work orders, categorized by age, in the HFTD.</p>	<p>(a) At the time of filing the 2023-2025 WMP, PG&E did not have the capability to extract data at the granularity requested. Therefore, PG&E was unable to provide the number of past due asset work orders, categorized by age, in the HFTD. PG&E is currently working on a solution to extract this data at the requested granularity. This capability has improved and PG&E will provide the data in the next update.</p>	Holly Wetman	10/12/2023	10/28/2023	10/25/2023	0	NA	8.1.7	Open Work Orders	NA
476	CaPA	Set WMP-31	CaPA_Set WMP-31	4	CaPA_Set WMP-31_04	<p>The following questions pertain to PG&E's 2021-2025 WMP Revision 3, submitted on September 27, 2023, Section 8.1.7 - Open Work Orders.</p> <p>Section 8.1.7.2 - Open Work Orders - Distribution Tags in PG&E's 2021-2025 WMP R3 discuss a subset of open work orders referred to as "ignition-risk" tags. Please provide a table similar to Table 8-8-1 for all past due ignition-risk distribution asset work orders by age and HFTD tier as of September 30, 2023.</p> <p>Number of "Ignition Risk" Past Due Distribution Asset Work Orders Categorized by Age</p> <p>(Through September 30, 2023)</p> <p>HFTD Area</p> <p>0 - 30 Days</p> <p>31 - 60 Days</p> <p>61 - 90 Days</p> <p>91 - 180 Days</p> <p>181+ Days</p> <p>Non - HFTD</p> <p>HFTD Tier 2</p> <p>HFTD Tier 3</p>	<p>Please see the table below for the requested information.</p> <p>Number of "Ignition Risk" Past Due Distribution Asset Work Orders Categorized by Age</p> <p>(Through September 30, 2023)</p> <p>HFTD Area</p> <p>0 - 30 Days</p> <p>31 - 60 Days</p> <p>61 - 90 Days</p> <p>91 - 180 Days</p> <p>181+ Days</p> <p>Non - HFTD</p> <p>HFTD Tier 2</p> <p>HFTD Tier 3</p> <p>2023-09-30</p> <p>0 - 30 Days: 1,105</p> <p>31 - 60 Days: 1,105</p> <p>61 - 90 Days: 1,105</p> <p>91 - 180 Days: 1,105</p> <p>181+ Days: 1,105</p> <p>Non - HFTD: 1,105</p> <p>HFTD Tier 2: 1,105</p> <p>HFTD Tier 3: 1,105</p>	Holly Wetman	10/12/2023	10/28/2023	10/25/2023	0	NA	8.1.7	Open Work Orders	NA
480	CaPA	Set WMP-32	CaPA_Set WMP-32	2	CaPA_Set WMP-32_02	<p>Please provide the same information as requested in Question 1 for undergrounding projects that fall into each of the following categories:</p> <p>(a) Risk 20 undergrounding.</p> <p>(b) Wildfire-related undergrounding.</p> <p>(c) Any other undergrounding not included in Question 1 or parts a or b of this question.</p>	<p>Please see the table provided below with the data requested for subparts a - c.</p> <p>(a) Please see row 10 (Risk 20) included on the undergrounding table of primary distribution lines in High Voltage District (HVD) and/or High Risk Areas (HRA) as part of the following programs:</p> <ul style="list-style-type: none"> Risk 20B - 100% utility funding Risk 20B - partial utility funding Risk 20C - non-utility utility funding <p>Note: this data does not include all Risk 20 projects. It includes only those Risk 20 projects that have been placed in the HFTD/FDA given the impact of projects on reducing wildfire risk.</p> <p>(b) Please see row 10 (Wildfire Related) included on the undergrounding table of primary distribution lines completed as part of wildfire-related. This includes work in the Fire Related Program that is included in an HFTD/FDA, as well as the Community Reliability Program (CRP - Bulb and Grounding).</p> <p>(c) Please see row 10 (Other) included on the undergrounding table of primary distribution lines through PG&E's targeted undergrounding program, as well as separate projects not tracked by either included in an HFTD/FDA.</p> <p>Please note, PG&E previously did not track overhead miles included. Therefore, the overhead miles reported is calculated based on US Miles Completed using a standard conversion factor for retail projects or all other undergrounding projects. For WMP-Discovery2023_CR_California-332-0003-0002-Page 2 Community Reliability Program (Bulb and Grounding) for every 1.57 miles of US installed, one mile of existing CRP lines has been removed. For all other projects, 1.25 miles of US installed equates to one mile of existing CRP removed.</p>	Holly Wetman	10/31/2023	11/14/2023	11/14/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
479	CaPA	Set WMP-32	CaPA_Set WMP-32	1	CaPA_Set WMP-32_01	<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&E installed as part of overhead-to-undergrounding conversion projects for the purposes of wildfire risk reduction.</p> <p>(b) Number of miles of overhead distribution PG&E removed as part of the same projects in part (a).</p>	<p>Please see the table below with the data requested for subparts a and b.</p> <p>(a) Please see row 10 (US Miles Completed) included on the miles of underground primary distribution lines installed each year 2020-2023 for the purposes of wildfire risk reduction. The data provided in 2023 is year to date through November 1, 2023. In addition to the miles completed, PG&E also has approximately 200 miles currently in progress (i.e. permit complete, in construction, trench complete, conductors installed, ready for cable pull-in).</p> <p>(b) Please see row 10 (CR Miles Reported) included on the miles of overhead primary distribution lines PG&E has removed as part of undergrounding projects for the purposes of wildfire risk reduction. PG&E historically did not track exactly the overhead miles replaced by each project. Therefore, the overhead miles reported is calculated based on US Miles Completed using a standard conversion factor for retail projects or all other undergrounding projects. For Community Reliability Program (Bulb and Grounding) for every 1.57 miles of US installed, one mile of existing CRP lines has been removed. For all other projects, 1.25 miles of US installed equates to one mile of existing CRP removed.</p> <p>2020 2021 2022 2023 Total</p> <p>(a) US Miles Completed 42 473 2 178 8 208 6 563 9</p> <p>(b) CR Miles Reported (net)</p> <p>2023-09-30 168 374</p>	Holly Wetman	10/31/2023	11/14/2023	11/14/2023	0	NA	7.2.1	Wildfire Mitigation Strategy Development	Projected Overall Risk Reduction
481	CaPA	Set WMP-32	CaPA_Set WMP-32	3	CaPA_Set WMP-32_03	<p>The attachments to the response contain CONFIDENTIAL information and are being provided pursuant to the necessary confidentiality exception "WMP-Discovery2023_CR_California-332-0003-Confidentiality Exemption."</p> <p>(a) PG&E does not have a sole-source contract process that meets state and federal sole-source contracting law. Instead, PG&E has a direct award process that solicits contracts that are awarded over certain dollar thresholds to suppliers that are not preferred suppliers. Generally, multiple service agreements or multiple preferred suppliers (PG&E's Direct Award) are awarded to a single supplier (DAS) form to document direct awards.</p> <p>(b) PG&E identifies the direct award contracts that are awarded with wildfire protection goods and/or services related to system hardening distribution undergrounding projects. The preferred contracts PG&E reviewed included contracts for work completed between 2020 and 2023 and shows the direct contract number for each contract. PG&E will provide a list of the direct award contracts and associated documents that PG&E is providing as:</p> <ul style="list-style-type: none"> WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 2 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 3 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 4 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 5 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 6 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 7 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 8 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 9 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 10 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 11 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 12 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 13 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 14 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 15 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 16 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 17 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 18 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 19 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 20 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 21 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 22 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 23 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 24 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 25 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 26 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 27 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 28 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 29 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 30 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 31 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 32 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 33 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 34 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 35 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 36 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 37 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 38 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 39 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 40 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 41 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 42 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 43 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 44 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 45 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 46 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 47 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 48 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 49 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 50 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 51 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 52 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 53 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 54 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 55 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 56 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 57 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 58 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 59 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 60 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 61 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 62 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 63 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 64 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 65 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 66 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 67 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 68 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 69 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 70 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 71 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 72 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 73 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 74 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 75 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 76 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 77 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 78 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 79 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 80 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 81 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 82 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 83 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 84 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 85 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 86 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 87 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 88 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 89 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 90 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 91 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 92 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 93 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 94 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 95 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 96 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 97 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 98 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 99 WMP-Discovery2023_CR_California-332-0003-0003-0002-Page 100 <p>Attachments 01-03 are the Direct Award Documentation and Contract, including Contract Order for the first vendor who received a direct award contract. Attachments 04-05 are the Direct Award Documentation and Contract for the second vendor who received a direct award contract.</p> <p>(c) See response to part a.</p> <p>(d) See response to part a.</p> <p>(e) See response to part a.</p>	Holly Wetman	10/31/2023	12/1/2023	12/1/2023	5	NA	8.1.2	Grid Design, Operations, and Maintenance	Grid Design and System Hardening	

Pre-Discovery 65	CaPA	Set WMP-03	CaPA_Sat WMP-39	4	CaPA_Sat WMP-39_04	<p>For each WMP initiative for which you forecast capital expenditures in 2025, please provide:</p> <p>(A) The name of the initiative as it is identified in your 2025 WMP Update.</p> <p>(B) The WMP initiative number in Table 1 of your 2025 WMP Update.</p> <p>(C) The name of the initiative as it is identified in your 2023-2025 Base WMP.</p> <p>(D) The WMP initiative number in Table 1 of your 2023-2025 Base WMP.</p> <p>(E) An explanation for the projected increase.</p>	Holly Wetteman	3/22/2024	4/5/2024	4/5/2024	https://www.sfpuc.com/Investigation/Investigation.aspx?InvestigationID=2024-0001	0	NA	4	Section 4 - Overview of WMP	4.3 Proposed Expenditures	
Pre-Discovery 66	CaPA	Set WMP-03	CaPA_Sat WMP-39	5	CaPA_Sat WMP-39_05	<p>For each WMP initiative for which you forecast operating expenditures in 2025 to be at least two times actual operating expenditures in 2023, please provide:</p> <p>(A) The name of the initiative as it is identified in your 2025 WMP Update.</p> <p>(B) The WMP initiative number in Table 1 of your 2025 WMP Update.</p> <p>(C) The name of the initiative as it is identified in your 2023-2025 Base WMP.</p> <p>(D) The WMP initiative number in Table 1 of your 2023-2025 Base WMP.</p> <p>(E) An explanation for the projected increase.</p>	Holly Wetteman	3/22/2024	4/5/2024	4/5/2024	https://www.sfpuc.com/Investigation/Investigation.aspx?InvestigationID=2024-0001	0	NA	4	Section 4 - Overview of WMP	4.3 Proposed Expenditures	
Pre-Discovery 67	CaPA	Set WMP-03	CaPA_Sat WMP-39	6	CaPA_Sat WMP-39_06	<p>Please fill out the attached spreadsheet, CaPAAdvocate-PGE-2025WMP-03 Attachment 1, requesting information regarding your asset inspection in 2025.</p>	Holly Wetteman	3/22/2024	4/5/2024	4/5/2024	https://www.sfpuc.com/Investigation/Investigation.aspx?InvestigationID=2024-0001	1	NA	8	Section 8.1.3 - Asset Inspection	8.1.3 Asset Inspections	
Pre-Discovery 68	CaPA	Set WMP-03	CaPA_Sat WMP-39	7	CaPA_Sat WMP-39_07	<p>Please provide a list of any incidents in 2023 where the actions of a VM contractor proved a safety issue to workers and/or the public. "Safety risk" here is defined as any occurrence on a work where the contractor's actions created a safety hazard for other workers or the general public. For each instance, please provide:</p> <p>(A) The date you were informed of the safety issue.</p> <p>(B) What the original work that created the safety issue was performed.</p> <p>(C) Whether the safety issue concerned a transmission or distribution circuit.</p> <p>(D) The specific equipment/relays involved in the original work.</p> <p>(E) A brief description of the safety issue resolved.</p>	Holly Wetteman	3/22/2024	4/5/2024	4/5/2024	https://www.sfpuc.com/Investigation/Investigation.aspx?InvestigationID=2024-0001	1	NA	8	Section 8.2 - Vegetation Management and Inspections	8.2 Vegetation Management and Inspections	
Pre-Discovery 69	CaPA	Set WMP-03	CaPA_Sat WMP-39	8	CaPA_Sat WMP-39_08	<p>In response to Data Request CaPAAdvocate-PGE-2025WMP-06, Question 6, March 29, 2023, PG&E provided 2023 system hardening work for the categories referred to in parts (a)-(d) below. Please provide an updated version of this work 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 these circuit segments were not included in the original work).</p> <p>(a) Installation of covered conductor</p> <p>(b) Installation of underground conductor</p> <p>(c) Removal of overhead conductor</p> <p>(d) Removal of overhead conductor associated with remote grid work.</p>	Holly Wetteman	3/22/2024	4/5/2024	4/5/2024	https://www.sfpuc.com/Investigation/Investigation.aspx?InvestigationID=2024-0001	1	NA	8	8.1.2.5	System Hardening	NA
Pre-Discovery 70	CaPA	Set WMP-03	CaPA_Sat WMP-39	9	CaPA_Sat WMP-39_09	<p>Please write a worksheet that describes where and when you will perform system hardening on distribution circuits in 2025. For projects that you expect to partially 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.</p> <p>For each project include the following information in separate columns, as a minimum:</p> <p>(a) Circuit number</p> <p>(b) MAT code</p> <p>(c) Program</p> <p>(d) Circuit ID number</p> <p>(e) Circuit segment name or ID number (if the project affects more than one circuit segment, please identify each)</p> <p>(f) Hazard/welfare risk score(s) from the welfare risk model that you are using to estimate distribution risk in your 2025 WMP Update filing</p> <p>(g) The expected completion date of the project</p> <p>(h) Length in circuit miles of covered conductor to be installed in 2025</p> <p>(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 conductors)</p> <p>(j) Length in circuit miles of overhead conductor to be permanently removed in 2025 and not replaced with covered conductor or underground</p> <p>(k) Length in circuit miles of any other type of system hardening project to be installed in 2025 (this is greater than length in circuit miles of any other type of system hardening project)</p> <p>(l) Location-specific categorization of effectiveness</p> <p>(m) Location-specific effectiveness of alternative mitigations.</p>	Holly Wetteman	3/22/2024	4/5/2024	4/5/2024	https://www.sfpuc.com/Investigation/Investigation.aspx?InvestigationID=2024-0001	0	NA	8	8.1.2.5	System Hardening	NA
Pre-Discovery 71	CaPA	Set WMP-03	CaPA_Sat WMP-39	10	CaPA_Sat WMP-39_010	<p>For each of your 2023-2025 WMP system hardening initiatives, please provide disaggregated information related to expenditures and circuit miles installed in the attached table, CaPAAdvocate-PGE-2025WMP-03 Attachment 2. Add columns as needed.</p>	Holly Wetteman	3/22/2024	4/5/2024	4/5/2024	https://www.sfpuc.com/Investigation/Investigation.aspx?InvestigationID=2024-0001	0	NA	8	8.1.2.5	System Hardening	NA
Pre-Discovery 72	CaPA	Set WMP-03	CaPA_Sat WMP-39	11	CaPA_Sat WMP-39_011	<p>On pages 458 of PG&E's 2023-2025 WMP-R4, January 8, 2024, PG&E provided Table PG&E-6.1.2.3, shown below. Please provide an updated version of this table (preferably in Excel format) with actuals from 2023 and forecasted estimates for 2024, 2025, and 2026.</p>	Holly Wetteman	3/22/2024	4/5/2024	4/5/2024	https://www.sfpuc.com/Investigation/Investigation.aspx?InvestigationID=2024-0001	1	NA	8	8.1.2.5	System Hardening	NA

507	CaPA	Set WMP-40	CaPA_Set WMP-40	1	CaPA_Set WMP-40_01	<p>PCAE status on page 21 of its 2025 WMP Update regarding its workplan for undergrounding and covered conductor projects.</p> <p>PCAE is currently refining its workplan for both overhead hardening and undergrounding projects through the end of the GRC period (2025) to account for the changes provided in D-23-11-069. As we update the workplan, we continue the approach described in the Base 2023-2025 WMP of intentionally balancing additional miles into the workplan to account for unforeseen delays such as property issues, weather, permitting, rights acquisition, materials, or other constraints. Thus, some of the projects included in this workplan may not be completed in the 2023-2025 timeframe. Currently, PCAE will continue working on these projects until they can be completed. Finally, additional projects may be identified and added to the workplan going forward for potential completion between 2023 and 2025.</p> <p>(A) Please identify PCAE's intended cost recovery venue for the above-mentioned undergrounding projects not completed in the 2023-25 timeframe.</p> <p>(B) Please identify PCAE's intended cost recovery venue for the above-mentioned overhead hardening projects not completed in the 2023-25 timeframe.</p> <p>(C) Please identify PCAE's intended cost recovery venue for the above-mentioned "additional projects" that may be identified and added to the workplan.</p>	Miles Gordon	4/5/2024	4/10/2024	4/10/2024	https://www.psc.state.pa.us/psc/Pages/Undergrounding-and-Covered-Conductor-Workplan-2023-2025.aspx	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	CaPA	Set WMP-40	CaPA_Set WMP-40	2	CaPA_Set WMP-40_02	<p>PCAE status on page 22 of its 2025 WMP Update regarding its workplan for undergrounding projects.</p> <p>PCAE is currently refining its workplan for both overhead hardening and undergrounding projects through the end of the GRC period (2025) to account for the changes provided in D-23-11-069.</p> <p>Additionally, PCAE's Base 2023-2025 WMP (at page 44) states annual undergrounding mileage targets or forecasts: 350 miles in 2023, 290 miles in 2024, 350 miles in 2025, and 460 miles in 2026.</p> <p>With respect to undergrounding projects specifically:</p> <p>(A) D-23-11-069 sets annual risk reduction targets to be achieved by undergrounding 4 in the 2023-2025 WMP period as a whole. Does PCAE currently expect to fall short of, meet, or exceed the risk reduction target established in the GRC period?</p> <p>(B) According to PCAE's current workplan, what is the amount of risk reduction that PCAE expects to achieve in 2024 due to undergrounding projects?</p> <p>(C) How does your answer to (B) compare to the risk reduction target established in D-23-11-069?</p> <p>(D) According to PCAE's current workplan, what is the amount of risk reduction that PCAE expects to achieve in 2025 due to undergrounding projects?</p> <p>(E) How does your answer to (D) compare to the risk reduction target established in D-23-11-069?</p> <p>(F) Does PCAE anticipate completing additional undergrounding mileage in 2023-2026 beyond the GRC-specified 1,230 undergrounding miles?</p> <p>(G) If yes, please state the number of miles and PCAE's intended cost recovery venue for said miles.</p>	Miles Gordon	4/5/2024	4/10/2024	4/10/2024	https://www.psc.state.pa.us/psc/Pages/Undergrounding-and-Covered-Conductor-Workplan-2023-2025.aspx	0	NA	8	Section 8.1.2 - Grid Design and System Hardening	8.1.2.2 Undergrounding of electric lines and/or equipment
509	CaPA	Set WMP-40	CaPA_Set WMP-40	3	CaPA_Set WMP-40_03	<p>PCAE status on page 23 of its 2025 WMP Update regarding its workplan for covered conductor projects.</p> <p>PCAE is currently refining its workplan for overhead hardening and undergrounding projects through the end of the GRC period (2025) to account for the changes provided in D-23-11-069.</p> <p>With respect to covered conductor projects specifically:</p> <p>(A) D-23-11-069 sets annual risk reduction targets to be achieved by installing covered conductors. In the 2023-2025 WMP period as a whole, does PCAE currently expect to fall short of, meet, or exceed the risk reduction target established in the GRC period?</p> <p>(B) According to PCAE's current workplan, what is the amount of risk reduction that PCAE expects to achieve in 2024 due to covered conductor projects?</p> <p>(C) How does your answer to (B) compare to the risk reduction target established in D-23-11-069?</p> <p>(D) According to PCAE's current workplan, what is the amount of risk reduction that PCAE expects to achieve in 2025 due to covered conductor projects?</p> <p>(E) How does your answer to (D) compare to the risk reduction target established in D-23-11-069?</p> <p>(F) Does PCAE anticipate completing additional covered conductor mileage in 2023-2026 beyond the GRC-specified 776 covered conductor miles?</p> <p>(G) If yes, please state the number of miles and PCAE's intended cost recovery venue for said miles.</p>	Miles Gordon	4/5/2024	4/10/2024	4/10/2024	https://www.psc.state.pa.us/psc/Pages/Undergrounding-and-Covered-Conductor-Workplan-2023-2025.aspx	0	NA	8	Section 8.1.2 - Grid Design and System Hardening	8.1.2.1 Covered Conductor Installation - Distribution
510	CaPA	Set WMP-40	CaPA_Set WMP-40	4	CaPA_Set WMP-40_04	<p>PCAE status on page 25 of its 2025 WMP Update: "GRC proposes to add a 2025 Telnet (System Hardening - Transmission Conductor Segment Replacement (GSA 119)) to perform conductor segment replacement on two transmission lines."</p> <p>(A) Was the above-mentioned work requested and authorized in PCAE's Test Year 2023 GRC?</p> <p>(B) If yes, please provide the subid and page number in PCAE's Test Year 2023 GRC. Otherwise, that discussion is not work, so we will not review Major Activity Type (MAT) codes on this.</p> <p>(C) Please provide the final authorized funding amount for the program as set forth in D-23-11-069, with a link to the relevant pages of that decision.</p>	Miles Gordon	4/5/2024	4/10/2024	4/10/2024	https://www.psc.state.pa.us/psc/Pages/Undergrounding-and-Covered-Conductor-Workplan-2023-2025.aspx	0	NA	8	Section 8.1.2 - Grid Design and System Hardening	8.1.2.5 Traditional Overhead Hardening - Transmission Conductor
511	CaPA	Set WMP-40	CaPA_Set WMP-40	5	CaPA_Set WMP-40_05	<p>PCAE status on page 21 of its 2025 WMP update that is introducing a new evolution of its Wireline Distribution Risk Model (WDRM), called WDRM v4. states: "The update from the WDRM v3 is expected to inform some risk-avoidance, short-cycle work in 2025 and other risk-avoidance long-cycle work in 2026 and beyond."</p> <p>(A) Please identify each WMP initiative for which WDRM v4 is expected to "inform risk-avoidance long-cycle work in 2026 and beyond."</p> <p>(B) When does PCAE expect to begin the scoping and execution of undergrounding projects?</p> <p>(C) When does PCAE expect to begin constructing undergrounding projects that are scoped using WDRM v4?</p> <p>(D) When does WDRM v4 begin to inform the scoping and execution of covered conductor projects?</p> <p>(E) When does PCAE expect to begin constructing covered conductor projects that are scoped using WDRM v4?</p> <p>(F) For overhead hardening (covered conductor) projects scoped using WDRM v4, PCAE anticipates that some planning activities in 2025 and preparatory work for risk avoidance may begin in 2026 for projects to be completed in 2027.</p> <p>(G) An related response to Request (F) of this data request, WDRM v4 may begin to inform the scoping of undergrounding projects as early as the second half of 2024 for projects expected to be completed in 2027.</p>	Miles Gordon	4/5/2024	4/10/2024	4/10/2024	https://www.psc.state.pa.us/psc/Pages/Undergrounding-and-Covered-Conductor-Workplan-2023-2025.aspx	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
512	CaPA	Set WMP-40	CaPA_Set WMP-40	6	CaPA_Set WMP-40_06	<p>PCAE status on page 13 of its 2025 WMP update that is introducing a new evolution of its Wireline Distribution Risk Model (WDRM), called WDRM v4. states: "The update from the WDRM v3 is expected to inform some risk-avoidance, short-cycle work in 2025 and other risk-avoidance long-cycle work in 2026 and beyond."</p> <p>(A) In the WDRM v4, are you expected to inform scoping and execution of any undergrounding projects that will be performed in 2025 and 2026?</p> <p>(B) In the WDRM v4, are you expected to inform scoping and execution of any covered conductor projects that will be performed in 2025 and 2026?</p> <p>(C) In the WDRM v4, are you expected to inform scoping and execution of any overhead hardening (covered conductor) projects that will be performed in 2025 and 2026?</p> <p>(D) If the answer to part (A) is yes, please explain how PCAE intends to report the risk reduction in the SHAR.</p> <p>(E) If the answer to part (B) is yes, please explain how PCAE intends to report the risk reduction in the SHAR.</p> <p>(F) If the answer to part (C) is yes, please explain how PCAE intends to report the risk reduction in the SHAR.</p>	Miles Gordon	4/5/2024	4/10/2024	4/10/2024	https://www.psc.state.pa.us/psc/Pages/Undergrounding-and-Covered-Conductor-Workplan-2023-2025.aspx	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
513	CaPA	Set WMP-40	CaPA_Set WMP-40	7	CaPA_Set WMP-40_07	<p>PCAE status on page 51 of its 2025 WMP Update. In response to ADI PG&E 23-05 - Updating Grid Hardening Characterization, PCAE is conducting a WDRM v4 Cost Avoidance Study (WDRM v4 CAS) to incorporate cost avoidance components, reliability considerations, and location-specific mitigation effectiveness calculations. PCAE's current status that undergrounding projects "scoped with the WDRM v4 in 2024 and 2025 will have a completion date in 2027 or later."</p> <p>(A) Please identify the WDRM v4 CAS projects that are tracked in the System Hardening Accountability Report required by D-23-11-069?</p> <p>(B) If the answer to part (A) is yes, please explain how this will be identified in the SHAR.</p> <p>(C) If the answer to part (A) is no, please identify any changes to the SHAR template (if adding facts) that would need to be made to include the necessary information to track such projects.</p> <p>(D) Does PCAE expect to request any changes to the SHAR to facilitate tracking projects scoped using the WDRM v4 CAS?</p>	Miles Gordon	4/5/2024	4/10/2024	4/10/2024	https://www.psc.state.pa.us/psc/Pages/Undergrounding-and-Covered-Conductor-Workplan-2023-2025.aspx	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ADI PG&E 23-05 - Updating Grid Hardening Decision Model

541	CaPA	Set WMP-42	CaPA_Sat WMP-42	3	CaPA_Sat WMP-42_03	<p>Page 7 of PG&E's 2025 WMP Update states, with regard to PG&E's distribution event probability models, "Significant efforts were made to improve asset, ignition, and outage data quality." List and explain the significant efforts discussed above.</p>	<p>As mentioned on page 7 of PG&E's 2025 WMP, the following is a more detailed list of specific data quality improvements that are a result of the continuous effort to improve the quality and utilization of record data for assets, ignitions, and outages.</p> <ul style="list-style-type: none"> Asset data quality improvements included: <ul style="list-style-type: none"> * Tracing asset failures and asset history back in time to identify the asset that failed and its characteristics. * Gathering asset information related to causal pathways as recommended by Subject Matter Experts (SMEs). * For asset outages, this included: <ul style="list-style-type: none"> * Incorporating outage remaining strength as a feature in the model. * For primary conductors, this included: <ul style="list-style-type: none"> * Gathering distribution load flow software outputs. * Having conductor material data sets taken from categorical model inputs to continuous model inputs (i.e. conductor diameter, conductor strength, and conductor weight). * Using LDMR data and video observations when available in HFTD areas. * Incorporating First Event Analysis (FEA) model developed by the Applied Technology Services (ATS) team that assessed fault current and wind direction. * Including open legs. * For generic protective devices, fuses, switches, capacitor banks, and voltage regulators. * Gathering asset attributes as captured in EDCIS over time (2016-2022). * Including open legs. * Creating methodologies to estimate asset age when missing. * Reporting asset data quality issues to the Asset Knowledge Management team to resolve. Ignition data quality improvements were primarily focused on: <ul style="list-style-type: none"> * Enhancing wildfire ignition data for use in the wildfire consequence model. * Reporting data quality issues back to the Ignitions Investigation team to resolve. * Change data quality improvements included: <ul style="list-style-type: none"> * Improving the incorporating vegetation outage report methods & longitude locations to the wildfire consequence model. * The data for incorporating wind direction comes from the paper "Firestorm Dominance and Risk Assessment of Weather-Related Outages" by Rui Yao found here: https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf. Within this paper, a probability density function is defined (equation 14) which quantifies the probability per angle that wind blowing from a cardinal direction in this case is a line location will project itself into a conductor given the conductor's normal vector and direction of the wind. This probability density is integrated across the conductor and the angle to calculate the total probability of a line given a wind's direction, the line's location, and the location of the conductor segment. * Due to the unavailability of LDMR for the distribution system, Planer's canopy height data (4/2020) is used, the shape of the distribution grid and an average distribution height of 8 meters to determine which of the points within the conductor might enter which can fall into a conductor and, approximately, which points. Internationally there is a chance of transmittance from the line falling into a conductor for wind vectors. Additionally, PG&E's system is used to create a 1 in 10 to 2 m, scale and communicate the wind vector component at 10m and the response length of a nearby conductor. Additionally, PG&E's system is used to create a 1 in 10 to 2 m, scale and communicate the wind vector component at 10m and the response length of a nearby conductor. Additionally, PG&E's system is used to create a 1 in 10 to 2 m, scale and communicate the wind vector component at 10m and the response length of a nearby conductor. * Finally, each 5-meter segment is assigned to a point of the 100-m-by-100-meter resolution raster used in the WTRM and used to determine the impact of a line on a raster based on ground and asset perspective of the site. The condition codes range from 1 = no visible damage to 3 = moderate damage, 4 = 5 = immediate safety concern. The framework estimates the remaining strength from the condition codes using a linear relationship between condition codes and remaining strength. The transition is anchored to two points: condition code = 1 is translated to remaining strength = 100% (no strength) while a condition code = 5 is translated to remaining strength = 47% of 270kV. The strength value of 270kV is based on California General Order 95 which is a threshold for repair or replacement of a component. The low asset profile below the transition and other condition codes are analyzed either by linear interpolation of linear relationships. Based on input from SME workshops, the strength degradation associated with a condition code of 2 has been reduced by 10% to 11.70kV. The strength degradation based from the workshops was that a 18 inch conductor was unavailability consideration for elements that exhibit only minimal damage (e.g. light surface corrosion). 	Holly Wetteman	4/9/2024	4/12/2024	4/12/2024	https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
542	CaPA	Set WMP-42	CaPA_Sat WMP-42	4	CaPA_Sat WMP-42_04	<p>Table PG&E.B.1.1-1 on page 8 of PG&E's 2025 WMP Update includes that WORM of includes wind direction in its vegetation models. a) Describe how wind direction is incorporated in the vegetation models in WORM v4. b) List the data sources that PG&E uses to incorporate wind direction into its risk model. c) Describe the benefits of incorporating wind direction into the risk model.</p>	<p>The WTRM model is updated by a geospatial analyst based on ground and asset perspective of the site. The condition codes range from 1 = no visible damage to 3 = moderate damage, 4 = 5 = immediate safety concern. The framework estimates the remaining strength from the condition codes using a linear relationship between condition codes and remaining strength. The transition is anchored to two points: condition code = 1 is translated to remaining strength = 100% (no strength) while a condition code = 5 is translated to remaining strength = 47% of 270kV. The strength value of 270kV is based on California General Order 95 which is a threshold for repair or replacement of a component. The low asset profile below the transition and other condition codes are analyzed either by linear interpolation of linear relationships. Based on input from SME workshops, the strength degradation associated with a condition code of 2 has been reduced by 10% to 11.70kV. The strength degradation based from the workshops was that a 18 inch conductor was unavailability consideration for elements that exhibit only minimal damage (e.g. light surface corrosion).</p>	Holly Wetteman	4/9/2024	4/12/2024	4/12/2024	https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf	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_Sat WMP-42	5	CaPA_Sat WMP-42_05	<p>Page 16 of PG&E's 2025 WMP Update states, "In the WTRM of update, we corrected this overly conservative attribute by applying a remaining strength of 50% (equivalent to Condition Code 2) to reinforced poles, in order to provide more accurate results." State the basis for applying a remaining strength of 50% to reinforced conductors.</p>	<p>The WTRM model is updated by a geospatial analyst based on ground and asset perspective of the site. The condition codes range from 1 = no visible damage to 3 = moderate damage, 4 = 5 = immediate safety concern. The framework estimates the remaining strength from the condition codes using a linear relationship between condition codes and remaining strength. The transition is anchored to two points: condition code = 1 is translated to remaining strength = 100% (no strength) while a condition code = 5 is translated to remaining strength = 47% of 270kV. The strength value of 270kV is based on California General Order 95 which is a threshold for repair or replacement of a component. The low asset profile below the transition and other condition codes are analyzed either by linear interpolation of linear relationships. Based on input from SME workshops, the strength degradation associated with a condition code of 2 has been reduced by 10% to 11.70kV. The strength degradation based from the workshops was that a 18 inch conductor was unavailability consideration for elements that exhibit only minimal damage (e.g. light surface corrosion).</p>	Holly Wetteman	4/9/2024	4/12/2024	4/12/2024	https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
544	CaPA	Set WMP-42	CaPA_Sat WMP-42	6	CaPA_Sat WMP-42_06	<p>Page 17 of PG&E's 2025 WMP Update states, "When viewed on a line weighted basis, the relative average risk rate remains the same for the revised for strength. It should be noted that these risk weighted values will not highlight short line assets as well." a) Does PG&E have controls for the fact that new weighted values tend to highlight short lines? b) If the answer to part (a) is no, explain the methods PG&E plans to use. c) If the answer to part (a) is no, explain why not.</p>	<p>The WTRM model is updated by a geospatial analyst based on ground and asset perspective of the site. The condition codes range from 1 = no visible damage to 3 = moderate damage, 4 = 5 = immediate safety concern. The framework estimates the remaining strength from the condition codes using a linear relationship between condition codes and remaining strength. The transition is anchored to two points: condition code = 1 is translated to remaining strength = 100% (no strength) while a condition code = 5 is translated to remaining strength = 47% of 270kV. The strength value of 270kV is based on California General Order 95 which is a threshold for repair or replacement of a component. The low asset profile below the transition and other condition codes are analyzed either by linear interpolation of linear relationships. Based on input from SME workshops, the strength degradation associated with a condition code of 2 has been reduced by 10% to 11.70kV. The strength degradation based from the workshops was that a 18 inch conductor was unavailability consideration for elements that exhibit only minimal damage (e.g. light surface corrosion).</p>	Holly Wetteman	4/9/2024	4/12/2024	4/12/2024	https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
545	CaPA	Set WMP-42	CaPA_Sat WMP-42	7	CaPA_Sat WMP-42_07	<p>Page 24 of PG&E's 2025 WMP Update states that PG&E is adjusting transfer PS-01 (Reduce PPSIS impacts to Customers in 2025) estimated by 10% to account for a 45% decrease in underground miles. Does PG&E expect a similar reduction in the number of EPSS customer events mitigated in 2025? Explain your response.</p>	<p>The WTRM model is updated by a geospatial analyst based on ground and asset perspective of the site. The condition codes range from 1 = no visible damage to 3 = moderate damage, 4 = 5 = immediate safety concern. The framework estimates the remaining strength from the condition codes using a linear relationship between condition codes and remaining strength. The transition is anchored to two points: condition code = 1 is translated to remaining strength = 100% (no strength) while a condition code = 5 is translated to remaining strength = 47% of 270kV. The strength value of 270kV is based on California General Order 95 which is a threshold for repair or replacement of a component. The low asset profile below the transition and other condition codes are analyzed either by linear interpolation of linear relationships. Based on input from SME workshops, the strength degradation associated with a condition code of 2 has been reduced by 10% to 11.70kV. The strength degradation based from the workshops was that a 18 inch conductor was unavailability consideration for elements that exhibit only minimal damage (e.g. light surface corrosion).</p>	Holly Wetteman	4/9/2024	4/12/2024	4/12/2024	https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-16 Effectiveness Analysis for EPSS Including Implementation of DCD
546	CaPA	Set WMP-42	CaPA_Sat WMP-42	8	CaPA_Sat WMP-42_08	<p>Page 29 of PG&E's 2025 WMP Update states that PG&E's 2025 forecast capital expenditure associated with increased conductor installation will increase by a factor of 1.8 from \$41.4 million to \$74.1 million. Please explain why PG&E's capital forecast for 2025 will increase by a factor of 1.8 while the mileage will increase by a factor of 4.</p>	<p>The WTRM model is updated by a geospatial analyst based on ground and asset perspective of the site. The condition codes range from 1 = no visible damage to 3 = moderate damage, 4 = 5 = immediate safety concern. The framework estimates the remaining strength from the condition codes using a linear relationship between condition codes and remaining strength. The transition is anchored to two points: condition code = 1 is translated to remaining strength = 100% (no strength) while a condition code = 5 is translated to remaining strength = 47% of 270kV. The strength value of 270kV is based on California General Order 95 which is a threshold for repair or replacement of a component. The low asset profile below the transition and other condition codes are analyzed either by linear interpolation of linear relationships. Based on input from SME workshops, the strength degradation associated with a condition code of 2 has been reduced by 10% to 11.70kV. The strength degradation based from the workshops was that a 18 inch conductor was unavailability consideration for elements that exhibit only minimal damage (e.g. light surface corrosion).</p>	Holly Wetteman	4/9/2024	4/12/2024	4/12/2024	https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf	0	NA	4.3	4.0 Overview of WMP	4.3 Proposed Equilibria
547	CaPA	Set WMP-42	CaPA_Sat WMP-42	9	CaPA_Sat WMP-42_09	<p>In comparison to PG&E's WORM v4, does WORM v4: a) Have 10 percent or more of ground risk into or out of the top 10 ground risk circuits, segments, or spans? If yes, please provide the data in the format of Table 1.1 in section 1.1 of the 2025 WMP Mitigation Plan Update Guidelines for both WORM v4 and v5. b) Have 10 percent or more of PPSIS risk into or out of the top PPSIS risk circuits, segments, or spans? If yes, please provide the data in the format of Table 1.2 in section 1.1 of the 2025 WMP Mitigation Plan Update Guidelines for both WORM v4 and v5.</p>	<p>The WTRM model is updated by a geospatial analyst based on ground and asset perspective of the site. The condition codes range from 1 = no visible damage to 3 = moderate damage, 4 = 5 = immediate safety concern. The framework estimates the remaining strength from the condition codes using a linear relationship between condition codes and remaining strength. The transition is anchored to two points: condition code = 1 is translated to remaining strength = 100% (no strength) while a condition code = 5 is translated to remaining strength = 47% of 270kV. The strength value of 270kV is based on California General Order 95 which is a threshold for repair or replacement of a component. The low asset profile below the transition and other condition codes are analyzed either by linear interpolation of linear relationships. Based on input from SME workshops, the strength degradation associated with a condition code of 2 has been reduced by 10% to 11.70kV. The strength degradation based from the workshops was that a 18 inch conductor was unavailability consideration for elements that exhibit only minimal damage (e.g. light surface corrosion).</p>	Holly Wetteman	4/9/2024	4/12/2024	4/12/2024	https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf	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_Sat WMP-43	1	CaPA_Sat WMP-43_01	<p>There does not appear to be an option of covered conductor with both EPSS and DCD. a) Did PG&E consider an alternative that consists of covered conductor with EPSS and DCD? b) If the answer to part (a) is no, why is this option not included as one of the possible alternatives in the WCA? (If the answer to part (a) is no, why not?)</p>	<p>The WTRM model is updated by a geospatial analyst based on ground and asset perspective of the site. The condition codes range from 1 = no visible damage to 3 = moderate damage, 4 = 5 = immediate safety concern. The framework estimates the remaining strength from the condition codes using a linear relationship between condition codes and remaining strength. The transition is anchored to two points: condition code = 1 is translated to remaining strength = 100% (no strength) while a condition code = 5 is translated to remaining strength = 47% of 270kV. The strength value of 270kV is based on California General Order 95 which is a threshold for repair or replacement of a component. The low asset profile below the transition and other condition codes are analyzed either by linear interpolation of linear relationships. Based on input from SME workshops, the strength degradation associated with a condition code of 2 has been reduced by 10% to 11.70kV. The strength degradation based from the workshops was that a 18 inch conductor was unavailability consideration for elements that exhibit only minimal damage (e.g. light surface corrosion).</p>	Holly Wetteman	4/12/2024	4/12/2024	4/12/2024	https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Grid Hardware Decision Making
549	CaPA	Set WMP-43	CaPA_Sat WMP-43	2	CaPA_Sat WMP-43_02	<p>The blended average effectiveness for alternative 9 (REFCL with covered conductor, EPSS, and DCD) is lower than the effectiveness of covered conductors with EPSS. a) Why does the effectiveness for alternative 9 appear lower than alternative 8, although alternative 9 appears to reduce more mitigation technologies?</p>	<p>The WTRM model is updated by a geospatial analyst based on ground and asset perspective of the site. The condition codes range from 1 = no visible damage to 3 = moderate damage, 4 = 5 = immediate safety concern. The framework estimates the remaining strength from the condition codes using a linear relationship between condition codes and remaining strength. The transition is anchored to two points: condition code = 1 is translated to remaining strength = 100% (no strength) while a condition code = 5 is translated to remaining strength = 47% of 270kV. The strength value of 270kV is based on California General Order 95 which is a threshold for repair or replacement of a component. The low asset profile below the transition and other condition codes are analyzed either by linear interpolation of linear relationships. Based on input from SME workshops, the strength degradation associated with a condition code of 2 has been reduced by 10% to 11.70kV. The strength degradation based from the workshops was that a 18 inch conductor was unavailability consideration for elements that exhibit only minimal damage (e.g. light surface corrosion).</p>	Holly Wetteman	4/12/2024	4/12/2024	4/12/2024	https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf https://www.aceem.com/~/media/Files/2017_05_26_TheFirestorm.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Grid Hardware Decision Making

591	CaPA	Set WMP-46	CaPA_Set WMP-46_04	4	CaPA_Set WMP-46_04	<p>In response to data request CalWaterCares-PGE-2025WMP-03, question 1, PGE provided attachment "WMP-Discovery2025-2025_OR_CalWaterCares_03-0001A6AC3.docx". The following questions refer to the lab "2023 OAS3 Transmission YTD Real".</p> <p>a) Do you have a QC Data (column D) that is earlier than the Inspection Date (column F) for each entry, apply only to this case.</p> <p>b) Please define "QC Data" (column D).</p> <p>c) Please define "QA Completion Date" (column C).</p> <p>d) Does PGE have a standard for the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>e) If the answer to part (d) is yes, what is the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>f) If the answer to part (d) is no, please provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer.</p> <p>g) If the answer to part (d) is no, why not?</p> <p>h) Does PGE have a standard for the maximum amount of time that is allowable between an inspection and the QA completion date?</p> <p>i) If the answer to part (h) is yes, what is the maximum amount of time that is allowable between an inspection and the QA completion date?</p> <p>j) If the answer to part (h) is no, please provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer.</p> <p>k) If the answer to part (h) is no, why not?</p>	<p>a) The inspection date should be earlier than the QC date. The referenced entries are errors which occurred for specific instances where a inspection was performed. In these instances, the system of record automatically updated the original inspection date to the inspection date. PGE has since corrected this information error in its system.</p> <p>b) "QC Date" (column D) refers to the date that the QC inspection was completed.</p> <p>c) "QA Completion Date" is the date that the Subject Matter Expert completes the review process and submits the report to the database as approved/completed.</p> <p>d) No. PGE does not have a standard for the maximum amount of time that is allowable between the completion of the QC inspection and the start of the QA inspection. Generally, QA will inspect the answer to its review after the completion of the QC inspection and the majority of the QA inspections are completed in the same time frame. Times are not the same and the majority of QA inspections are completed in the same time frame. Occasionally, additional time is required for review and approval which is time as readily as possible and is usually completed within an additional seven days.</p> <p>e) Not applicable, please see the response to subpart (d) above.</p> <p>f) Not applicable, please see the response to subpart (d) above.</p> <p>g) Please see the response to subpart (d) for the requested explanation.</p> <p>h) PGE does not have a standard for the maximum amount of time allowable between the QA inspection start and the QA completion date. Generally, the time from sample availability to start of the QA inspection is the same and the majority of QA inspections are completed in the same time frame. Occasionally, additional time is required for review and approval which is time as readily as possible and is usually completed within an additional seven days.</p> <p>i) Not applicable, please see the response to subpart (h) above.</p> <p>j) Not applicable, please see the response to subpart (h) above.</p> <p>k) Please see response to subpart (d) for the requested explanation.</p>	Holly Wetman	4/17/2024	4/25/2024	4/25/2024	https://www.pge.com/Assets/Files/Docs/Inspection-Data-Request-Response-04-25-2024.pdf	0	NA	8.1.6	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)
592	CaPA	Set WMP-46	CaPA_Set WMP-46_05	5	CaPA_Set WMP-46_05	<p>In response to data request CalWaterCares-PGE-2025WMP-03, question 1, PGE provided attachment "WMP-Discovery2025-2025_OR_CalWaterCares_03-0001A6AC3.docx". The following questions refer to the lab "Transmission".</p> <p>a) Please define "QC Data" (column D).</p> <p>b) Please define "QA Completion Date" (column F).</p> <p>c) Does PGE have a standard for the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>d) If the answer to part (c) is yes, what is the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>e) If the answer to part (c) is no, please provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer.</p> <p>f) If the answer to part (c) is no, why not?</p> <p>g) Does PGE have a standard for the maximum amount of time that is allowable between an inspection and the QA completion date?</p> <p>h) If the answer to part (g) is yes, what is the maximum amount of time that is allowable between an inspection and the QA completion date?</p> <p>i) If the answer to part (g) is no, please provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer.</p> <p>j) If the answer to part (g) is no, why not?</p>	<p>An attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration.</p> <p>a) "QC Date" is the date when the QC Specialist completed the review.</p> <p>b) "QA Completion Date" is the date the Quality Assurance/Performance (QAP) auditor completed the review.</p> <p>c) Yes. PGE has a standard for the maximum amount of time that is allowable between an inspection and the QC date.</p> <p>d) A QC review should occur before the next routine Vegetation Management (VM) execution routine inspection.</p> <p>e) Please see attachment "WMP-Discovery2025-2025_OR_CalWaterCares_04-020001A120NF.pdf" for PGE's Quality Control Vegetation Management Business Process Flowchart.</p> <p>f) Not applicable, please see the response to subpart (c) above.</p> <p>g) No. PGE does not have a standard for the maximum amount of time that is allowable between an inspection and the QA date.</p> <p>h) Not applicable, please see the response to subpart (g) above.</p> <p>i) Not applicable, please see the response to subpart (g) above.</p> <p>j) The QA date is dependent on QC date, which is consequently dependent on the QC review. Inspections that fail routine jobs should be excluded prior to QA sampling as a result of the QC exclusion process. QAP is currently transitioning to require within 30 days of QC completion.</p>	Holly Wetman	4/17/2024	4/25/2024	4/25/2024	https://www.pge.com/Assets/Files/Docs/Inspection-Data-Request-Response-04-25-2024.pdf	1	NA	8.1.6	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)
593	CaPA	Set WMP-46	CaPA_Set WMP-46_06	6	CaPA_Set WMP-46_06	<p>In response to data request CalWaterCares-PGE-2025WMP-03, question 1, PGE provided attachment "WMP-Discovery2025-2025_OR_CalWaterCares_03-0001A6AC3.docx". The following questions refer to the lab "Transmission".</p> <p>a) Please define "QC Data" (column D).</p> <p>b) Please define "QA Completion Date" (column F).</p> <p>c) Does PGE have a standard for the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>d) If the answer to part (c) is yes, what is the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>e) If the answer to part (c) is no, please provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer.</p> <p>f) If the answer to part (c) is no, why not?</p> <p>g) Does PGE have a standard for the maximum amount of time that is allowable between an inspection and the QA completion date?</p> <p>h) If the answer to part (g) is yes, what is the maximum amount of time that is allowable between an inspection and the QA completion date?</p> <p>i) If the answer to part (g) is no, please provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer.</p> <p>j) If the answer to part (g) is no, why not?</p>	<p>Please see the response to Question No. 005, subpart (a) to (i), which also apply to this request and provide the information sought.</p>	Holly Wetman	4/17/2024	4/25/2024	4/25/2024	https://www.pge.com/Assets/Files/Docs/Inspection-Data-Request-Response-04-25-2024.pdf	0	NA	8.1.6	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)
594	CaPA	Set WMP-46	CaPA_Set WMP-46_07	7	CaPA_Set WMP-46_07	<p>In response to data request CalWaterCares-PGE-2025WMP-03, question 1, PGE provided attachment "WMP-Discovery2025-2025_OR_CalWaterCares_03-0001A6AC3.docx". The following questions refer to the lab "Pole Clearing".</p> <p>a) Please define "QC Data" (column D).</p> <p>b) Please define "QA Completion Date" (column F).</p> <p>c) Does PGE have a standard for the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>d) If the answer to part (c) is yes, what is the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>e) If the answer to part (c) is no, please provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer.</p> <p>f) If the answer to part (c) is no, why not?</p> <p>g) Does PGE have a standard for the maximum amount of time that is allowable between an inspection and the QA completion date?</p> <p>h) If the answer to part (g) is yes, what is the maximum amount of time that is allowable between an inspection and the QA completion date?</p> <p>i) If the answer to part (g) is no, please provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer.</p> <p>j) If the answer to part (g) is no, why not?</p>	<p>Please see the response to Question No. 005, subpart (a) to (i), which also apply to this request and provide the information sought.</p>	Holly Wetman	4/17/2024	4/25/2024	4/25/2024	https://www.pge.com/Assets/Files/Docs/Inspection-Data-Request-Response-04-25-2024.pdf	0	NA	8.1.6	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)
595	CaPA	Set WMP-46	CaPA_Set WMP-46_08	8	CaPA_Set WMP-46_08	<p>In response to data request CalWaterCares-PGE-2025WMP-03, question 1, PGE provided attachment "WMP-Discovery2025-2025_OR_CalWaterCares_03-0001A6AC3.docx". The following questions refer to the lab "2023 S1 Transmission Outage QC".</p> <p>a) Please define "QC Data" (column D).</p> <p>b) Please define "QA Completion Date" (column F).</p> <p>c) Does PGE have a standard for the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>d) If the answer to part (c) is yes, what is the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>e) If the answer to part (c) is no, please provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer to part (c).</p> <p>f) If the answer to part (c) is no, why not?</p> <p>g) Does PGE have a standard for the maximum amount of time that is allowable between an inspection and the QA completion date?</p> <p>h) If the answer to part (g) is yes, what is the maximum amount of time that is allowable between an inspection and the QA completion date?</p> <p>i) If the answer to part (g) is no, please provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer to part (g).</p> <p>j) If the answer to part (g) is no, why not?</p>	<p>An attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration.</p> <p>a) The referenced entry was reviewed when the photos provided did not meet the standards described in the referenced Standard for Inspections. If photos are not adequate, it is possible to complete QC for that inspection through a secondary review which results in inspection results of all photos that can be obtained from the available complete photographs on the inspection record. A Field Review is not completed at the time of the assessment. The condition is not met as well as missing the photographs from the original inspection record.</p> <p>b) Please see attachment "WMP-Discovery2025-2025_OR_CalWaterCares_04-020001A120NF.pdf" for PGE's Transmission Ground Line Inspection Process Flowchart.</p> <p>c) Yes. PGE will document any inspection results that are not in compliance with the QC record for tracking and trending. QC will complete review of all available photos/bulletins of the inspection record where complete photographs were available. QC will document review and recommendations/retirement of the asset as follows: (1) If the structure number is not visible in inspection record in any section of the inspection and QC cannot confirm inspection was at the correct location or (2) there are no photos of insulators, all photos of insulators appear to be from a different structure.</p> <p>d) PGE does not have a standard for the review of photos submitted to subpart (c).</p>	Holly Wetman	4/17/2024	4/25/2024	4/25/2024	https://www.pge.com/Assets/Files/Docs/Inspection-Data-Request-Response-04-25-2024.pdf	1	NA	8.1.6	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)
596	CaPA	Set WMP-46	CaPA_Set WMP-46_09	9	CaPA_Set WMP-46_09	<p>In response to data request CalWaterCares-PGE-2025WMP-03, question 1, PGE provided attachment "WMP-Discovery2025-2025_OR_CalWaterCares_03-0001A6AC3.docx" which relates to asset inspections in 2023. Line 8 indicates that, out of 133 transmission structure pole inspections reviewed by desktop QC, 101 failed QC review.</p> <p>a) Has PGE made any changes to its intrusive inspection practices for transmission pole inspections as a result of the high QC failure rates?</p> <p>b) If the answer to part (a) is yes, describe the changes PGE has made.</p> <p>c) Provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer to part (a).</p> <p>d) If the answer to part (a) is no, state why not.</p> <p>e) Has PGE made any changes to its QC review process for intrusive inspections of transmission poles as a result of the high QC failure rates?</p> <p>f) If the answer to part (e) is yes, describe the changes PGE has made.</p> <p>g) Provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer to part (e).</p> <p>h) If the answer to part (e) is no, state why not.</p> <p>i) Please describe any other actions PGE took as a result of the high QC failure rates in 2023 noted above.</p> <p>j) What were the primary reasons for transmission structure pole inspections to fail based QC review in 2023?</p>	<p>a) Yes. PGE is in the process of updating Utility Procedure TD-2325P-01 which provides instruction for intrusive testing, loading, testing, retesting, reworking, testing and retesting wood poles. As part of this procedure revision, PGE is addressing potential inspection quality concerns. Please see the response to subpart (b) for more information regarding the referenced "failure" rates.</p> <p>b) Please see the response to subpart (a) for the requested information.</p> <p>c) We will still be in the process of finalizing Revision 4 of TD-2325P-01 and will provide a copy when it is finalized. As of this response, we do not have a specific date for when we expect to be finalized.</p> <p>d) Not applicable, please see the response to subpart (a) above.</p> <p>e) Yes, please see the response to subpart (a) above.</p> <p>f) Please see the response to subpart (a) above.</p> <p>g) The revised procedures are still being drafted, please see response to subpart (c) above.</p> <p>h) Not applicable, please see the response to subpart (a) above.</p> <p>i) Another action that PGE took was to go to the Pole Test and Treat Program to include a field team and distributed staff to update quality findings.</p> <p>j) The "failure" rate indicated in the referenced spreadsheet does not represent a failed inspection. PGE made "failed" during the QC review process. A failed inspection does not accurately identify a checklist distribution.</p> <p>k) Please see the response to subpart (a) above.</p>	Holly Wetman	4/17/2024	4/25/2024	4/25/2024	https://www.pge.com/Assets/Files/Docs/Inspection-Data-Request-Response-04-25-2024.pdf	0	NA	8.1.6	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)
597	CaPA	Set WMP-46	CaPA_Set WMP-46_10	10	CaPA_Set WMP-46_10	<p>In response to data request CalWaterCares-PGE-2025WMP-03, question 1, PGE provided attachment "WMP-Discovery2025-2025_OR_CalWaterCares_03-0001A6AC3.docx" which relates to asset inspections in 2023. Line 10 indicates that, out of 2002 distribution structure pole inspections reviewed by desktop QC, 1672 failed QC review.</p> <p>a) Has PGE made any changes to its intrusive inspection practices for distribution pole inspections as a result of the high QC failure rates?</p> <p>b) If the answer to part (a) is yes, describe the changes PGE has made.</p> <p>c) Provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer to part (a).</p> <p>d) If the answer to part (a) is no, state why not.</p> <p>e) Has PGE made any changes to its QC review process for intrusive inspections of distribution poles as a result of the high QC failure rates?</p> <p>f) If the answer to part (e) is yes, describe the changes PGE has made.</p> <p>g) Provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer to part (e).</p> <p>h) If the answer to part (e) is no, state why not.</p> <p>i) Please describe any other actions PGE took as a result of the high QC failure rates in 2023 noted above.</p> <p>j) What were the primary reasons for distribution structure pole inspections to fail based QC review in 2023?</p>	<p>Please see the response to Question No. 009, subpart (a) to (k), which also apply to this request and provide the information sought.</p>	Holly Wetman	4/17/2024	4/25/2024	4/25/2024	https://www.pge.com/Assets/Files/Docs/Inspection-Data-Request-Response-04-25-2024.pdf	0	NA	8.1.6	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)
610	CaPA	Set WMP-47	CaPA_Set WMP-47_01	1	CaPA_Set WMP-47_01	<p>The attached spreadsheet shows CalWaterCares-PGE-2025WMP-101 (TDR, CONP and) contains a table of PGE's 2024-2028 system hardening activities as provided in response to Cal WaterCares data request. CalWaterCares-PGE-2025WMP-101 (TDR, CONP and) contains a table of PGE's 2024-2028 system hardening activities as provided in response to Cal WaterCares data request. The table includes the following information: (1) Project Name, (2) Project Description, (3) Project Status, (4) Project Start Date, (5) Project End Date, (6) Project Location, (7) Project Type, (8) Project Priority, (9) Project Risk, (10) Project Impact, (11) Project Funding, (12) Project Sponsor, (13) Project Lead, (14) Project Contact, (15) Project Status, (16) Project Start Date, (17) Project End Date, (18) Project Location, (19) Project Type, (20) Project Priority, (21) Project Risk, (22) Project Impact, (23) Project Funding, (24) Project Sponsor, (25) Project Lead, (26) Project Contact, (27) Project Status, (28) Project Start Date, (29) Project End Date, (30) Project Location, (31) Project Type, (32) Project Priority, (33) Project Risk, (34) Project Impact, (35) Project Funding, (36) Project Sponsor, (37) Project Lead, (38) Project Contact, (39) Project Status, (40) Project Start Date, (41) Project End Date, (42) Project Location, (43) Project Type, (44) Project Priority, (45) 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Project Contact, (711) Project Status, (712) Project Start Date, (713) Project End Date, (714) Project Location, (715) Project Type, (716) Project Priority, (717) Project Risk, (718) Project Impact, (719) Project Funding, (720) Project Sponsor, (721) Project Lead, (722) Project Contact, (723) Project Status, (724) Project Start Date, (725) Project End Date, (726) Project Location, (727) Project Type, (728) Project Priority, (729) Project Risk, (730) Project Impact, (731) Project Funding, (732) Project Sponsor, (733) Project</p>											

628	CALPA	See WMP-48	CALPA_SecWMP-48	1501	CALPA_SecWMP-48_01001	<p>For each of the outages in the attached excel spreadsheet named "Random Fast-Trip August 2023 Outages.xlsx" (see page 1) the protective function that tripped the circuit (e.g. define time delay ground current)</p> <p>Is the current threshold of the protective function:</p> <p>(1) The time delay of the protective function.</p> <p>(2) The maximum fault level cleared from 2019-2023.</p> <p>(3) The maximum unfaulted ground-current from 2019-2023, and</p> <p>(4) the distribution, whether the circuit was three-phase or two-phase.</p>	<p>ANSWER TO SUPPLEMENTAL Q1 Please see "WMP-Discovery2023-0221_DR_Californiaes 046-00105app1A0001" sheet for the requested information on 25 of the outages included in the referenced "Random Fast-Trip August 2023 Outages.xlsx"</p> <p>ANSWER TO Q2 PG&E checks to the request on the grounds that it is overboard and unduly burdensome. Notwithstanding and without waiving this objection, PG&E is compiling the requested data for a random sampling of 25 of the 50 outages included in "Random Fast-Trip August 2023 Outages.xlsx" and can provide the data by June 5, 2024. Please note, as the request is a random data pull across multiple systems of record that will take many hours of work, it would be unduly burdensome to request the information for all of the identified 50 outages. Should the need arise, we would be happy to discuss alternative ways to structure this request and our available resources.</p> <p>ANSWER TO Q3 PG&E has been used to complete the requested information by understanding high-voltage locations, System Resilience Mitigations, Operational Mitigations, and other System Resilience Mitigations. Operational Mitigations include programs such as EPSS, equipment maintenance and repair, vegetation management, operational regulations, and EPSS. System Resilience Mitigations include programs such as covered conductor installation, transmission conductor replacement, line removal, and distribution and maintenance WFO and WFOA circuitry upgrades.</p> <p>We will also manage system risk through Comprehensive Monitoring and Data Collection programs including detailed WFO and WFOA circuitry upgrades, vegetation management programs, and monitoring programs such as Distribution Fault Anticipation Installations, Early Fault Detection Senses, and our network of active cameras and weather stations.</p> <p>A complete listing of PG&E's mitigation programs is included in Section 7.2.1 of PG&E's WMP. Table 4 in PG&E's WMP shows how we have different mitigation programs at the circuit segment level to provide system protection and reduce risk. While Table 7 shows only PG&E's top risk circuit segments, we apply this approach across all of the circuits in the WFO and WFOA.</p> <p>PG&E will continue to explore new technologies to reduce the risk of ignitions and the consequences of wildfires and may incorporate such technologies into our wildfire mitigation efforts.</p>	Tyler Hotobich	5/16/2024	6/5/2024	6/5/2024	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
Pre-Discovery 49	CPUC - SPO (Safety Policy Division)	001	CPUC - SPO (Safety Policy Division)_001	4	CPUC - SPO (Safety Policy Division)_001_004	<p>General risk reduction inquiry What are PG&E's goals for long-term risk reduction, particularly reduction of likelihood of ignitions and also reduction of consequences, for circuits in WFO that are not undergrounded?</p>	<p>We will also manage system risk through Comprehensive Monitoring and Data Collection programs including detailed WFO and WFOA circuitry upgrades, vegetation management programs, and monitoring programs such as Distribution Fault Anticipation Installations, Early Fault Detection Senses, and our network of active cameras and weather stations.</p> <p>A complete listing of PG&E's mitigation programs is included in Section 7.2.1 of PG&E's WMP. Table 4 in PG&E's WMP shows how we have different mitigation programs at the circuit segment level to provide system protection and reduce risk. While Table 7 shows only PG&E's top risk circuit segments, we apply this approach across all of the circuits in the WFO and WFOA.</p> <p>PG&E will continue to explore new technologies to reduce the risk of ignitions and the consequences of wildfires and may incorporate such technologies into our wildfire mitigation efforts.</p>	Wendy AlMakd	2/23/2023	3/9/2023	3/9/2023	0	NA	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
Pre-Discovery 43	CPUC - SPO (Safety Policy Division)	001	CPUC - SPO (Safety Policy Division)_001	1	CPUC - SPO (Safety Policy Division)_001_001	<p>REFCL Inquiries: REFCL of all Calaveras Circuit Segment ID 110113151 Describe various active settings regarding REFCL. Describe how staged fault testing is planned to be conducted. Substation Configuration - Describe any substation and/or circuit configuration issues to deploy REFCL. Availability of REFCL - Describe any known barriers to implementing REFCL in CA. Status of REFCL - Describe any known barriers to implementing REFCL in CA. Status of REFCL - Describe any known barriers to implementing REFCL in CA. Status of REFCL - Describe any known barriers to implementing REFCL in CA. Status of REFCL - Describe any known barriers to implementing REFCL in CA.</p>	<p>The REFCL equipment installed in the substation protects all the primary lines on both Calaveras circuits. These settings profiles allow for changing fault sensitivity and tripping behavior on the fly based on field conditions. Setting 1a for low risk with a three second delay before switching the recloser to avoid generating for the protection to clear the fault. Setting 2a is for medium risk with a three second fault delay before directly tripping the failed feeder circuit breaker for a sustained fault. Setting 3a for high risk with no time delay and greatest fault sensitivity and tripping the failed feeder circuit breaker.</p> <p>Staged fault testing was performed in 2022 with preliminary data collected. A mobile high voltage reactor bank is currently connected to stage 1a on the circuit. Normally the system runs through the recloser with active voltage outage from the load. Due to greater line to ground voltages during the testing, the possibility of unplanned outage of the equipment being is being reviewed.</p> <p>All service transformers on REFCL circuits are connected line to line, no service voltage is maintained during the ground fault. 1 or 1 in active zone ground fault is detected a three second time delay before the fault confirmation is performed. If the fault confirmation determines that the fault sustained (momentary fault), then the recloser voltage is returned with service restoration. If the fault confirmation determines that the fault sustained (momentary fault), then the recloser is tripped and the active setting (ground fault) is set to 1a. A de-energization project - currently in progress for evaluating the technology and gaining operational experience with it. In order to deploy REFCL, the primary considerations for substation testing are:</p> <ul style="list-style-type: none"> Substation voltage regulators. Regulate voltage ground connected regulators with line-line connected regulators. Substation busbar breakers, high-voltage current transformers, and other equipment. Substation secondary neutral. Clearance of substation transformer bank and installation of grounding switch and cable connections to an expansion coil. Substation physical space. Enough room within the substation for a 16 x 28 x 28 footprint per Ground Fault Reactor (GFR). Some substations may require 2 GFRs split space for testing REFCL. Distribution circuits. 3-ave ungrounded radial only. Distribution circuits. Maximum of approximately 50 circuit miles of underground cable per transformer bank. Distribution circuits. Primary connected customers - require large isolation transformer depending on complexity of customer-owned equipment. Distribution circuits. Long angle phase underground cables causes increased radial current and require capacitive compensation. Distribution circuits. Circuit breakers. REFCL deployment requires the use of a mobile high voltage reactor bank. Substation testing. REFCL testing requires the use of a mobile high voltage reactor bank. <p>Team (ORT) process that includes additional review of circuit/Circuit Protection Zone (CPZ) performance that when multiple voltage occur triggers a Malicious Change Process (MCP) to draw additional review if needed to reduce repeat voltage outage going forward.</p> <p>Continuing Protective Vegetation Trimming on the Top 12 circuit segments that were identified last year based on number of outages experienced and a projected embankment of over 50% for the fire season. For 2023 we looked at CEM customers experiencing multiple outages/ repeated customers and evaluated vegetation outages and identified wildfire circuit protection zones to be added to this approach.</p> <p>Continuing Elected of Condition assessment and trimming. When a vegetation related EPSS outage occurs the incident location and it appears in all directions is inspected by our vegetation management team to identify trimming opportunities to prevent an outage from occurring near the previous location including soil and improving stability.</p> <p>CEM 1B - Targeted customers.</p> <p>Vegetation clearing for CPZs with multiple high voltage cases/ outages are reviewed above.</p> <p>2. Developing an annual REFCL strategy for internal interaction reduction due to high annual-occurred outages when EPSS is enabled.</p> <p>REFCL Inquiries: REFCL of all Calaveras Circuit Segment ID 110113151 Describe various active settings regarding REFCL. Describe how staged fault testing is planned to be conducted. Substation Configuration - Describe any substation and/or circuit configuration issues to deploy REFCL. Availability of REFCL - Describe any known barriers to implementing REFCL in CA. Status of REFCL - Describe any known barriers to implementing REFCL in CA. Status of REFCL - Describe any known barriers to implementing REFCL in CA. Status of REFCL - Describe any known barriers to implementing REFCL in CA.</p>	Wendy AlMakd	2/23/2023	3/9/2023	3/9/2023	0	NA	8.1.8.3	Grid Operations and Procedures	Settings of Other Emerging Technologies (e.g., Rapid Earth Fault Current Limiters)
Pre-Discovery 44	CPUC - SPO (Safety Policy Division)	001	CPUC - SPO (Safety Policy Division)_001	2	CPUC - SPO (Safety Policy Division)_001_002	<p>EPSS & Supporting Technologies (DCC & Partial Voltage Detection) Inquiries: Explain all activities planned to improve EPSS reliability overall, what customer support programs (e.g., battery backed) distinct from or linked to these plans for EPSS implementation. Explain Detailed Ground Fault settings on EPSS enabled circuit segments. Explain Covered Conductor Detection (CCD) technology and how facilities high impedance faults with EPSS. Explain DCC 2023-2025 Targets (e.g., 50, 400, & 200 protective device controllers or relays) and whether they will cover all WFO and WFOA EPSS circuits. Explain why steps 1a, b, and c. Explain how many DCC are currently installed including on top DR risk circuit segments. Explain Partial Voltage Detection using SmartMeters and how equipment DCC and EPSS.</p>	<p>EPSS & Supporting Technologies (DCC & Partial Voltage Detection) Inquiries: Explain all activities planned to improve EPSS reliability overall, what customer support programs (e.g., battery backed) distinct from or linked to these plans for EPSS implementation. Explain Detailed Ground Fault settings on EPSS enabled circuit segments. Explain Covered Conductor Detection (CCD) technology and how facilities high impedance faults with EPSS. Explain DCC 2023-2025 Targets (e.g., 50, 400, & 200 protective device controllers or relays) and whether they will cover all WFO and WFOA EPSS circuits. Explain why steps 1a, b, and c. Explain how many DCC are currently installed including on top DR risk circuit segments. Explain Partial Voltage Detection using SmartMeters and how equipment DCC and EPSS.</p>	Wendy AlMakd	2/23/2023	3/9/2023	3/9/2023	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
Pre-Discovery 45	CPUC - SPO (Safety Policy Division)	001	CPUC - SPO (Safety Policy Division)_001	3	CPUC - SPO (Safety Policy Division)_001_003	<p>EPSS & REFCL Inquiries: What are advantages and disadvantages? In terms of capacity, availability, safety, and reliability? Phase-to-Phase Faults, Single-Phase-to-Phase Faults, and 3-Phase Faults - What is the risk profile of existing systems on PG&E's system and how does REFCL & EPSS mitigate these risks? Comparison of REFCL with EPSS & Other Mitigation - Explain how these could work together, and if PG&E has identified combined mitigation scenarios. Explain the differences in fault energy for EPSS vs REFCL including low and high impedance faults. Explain why EPSS is preferred if REFCL fault energy is less than 10% of EPSS fault energy for low impedance faults. Explain the effectiveness of DCC or REFCL on high impedance faults.</p>	<p>EPSS & REFCL Inquiries: What are advantages and disadvantages? In terms of capacity, availability, safety, and reliability? Phase-to-Phase Faults, Single-Phase-to-Phase Faults, and 3-Phase Faults - What is the risk profile of existing systems on PG&E's system and how does REFCL & EPSS mitigate these risks? Comparison of REFCL with EPSS & Other Mitigation - Explain how these could work together, and if PG&E has identified combined mitigation scenarios. Explain the differences in fault energy for EPSS vs REFCL including low and high impedance faults. Explain why EPSS is preferred if REFCL fault energy is less than 10% of EPSS fault energy for low impedance faults. Explain the effectiveness of DCC or REFCL on high impedance faults.</p>	Wendy AlMakd	2/23/2023	3/9/2023	3/9/2023	0	NA	8.1.8.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
68	CPUC - SPO (Safety Policy Division)	002	CPUC - SPO (Safety Policy Division)_002	1	CPUC - SPO (Safety Policy Division)_002_001	<p>Provide Attachment 2023-03-07_PGE_2023_WMP_00_Appendix D ACI PG&E 22-18_A001_CONF (PG&E 2023-0228 Undergoing Work)</p>	<p>The CONFIDENTIAL attachment is being provided pursuant to the confidentiality designation of ORU1 M01_CONF (Attachment 2023-03-07_PGE_2023_WMP_00_Appendix D ACI PG&E 22-18_A001_CONF sheet).</p> <p>Please see attachment "2023-03-07_PGE_2023_WMP_00_Appendix D ACI PG&E 22-18_A001_CONF" sheet.</p>	Kevin Miller	4/4/2023	4/5/2023	4/4/2023	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E 22-18 - Progress and Updates on Undergrounding and Risk Prioritization
173	CPUC - SPO (Safety Policy Division)	003	CPUC - SPO (Safety Policy Division)_003	1	CPUC - SPO (Safety Policy Division)_003_001	<p>Fill in the attached spreadsheet "Wildfire Mitigation Table DR - PG&E" The text box is a "Classify" which provides definitions for each attribute. The other data, "Data Input," "Asset Inspections," and "VM Inspections," all need to be completed with data pulled from PG&E.</p>	<p>Please see attachment "WMP-Discovery2023-0221_DR_SPO_000-0001A001" sheet which is the completed Wildfire Mitigation Table DR - PG&E spreadsheet located in the WMP - PG&E spreadsheet.</p>	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	1	NA	8	Wildfire Mitigation	NA
174	CPUC - SPO (Safety Policy Division)	003	CPUC - SPO (Safety Policy Division)_003	2	CPUC - SPO (Safety Policy Division)_003_002	<p>2. In PG&E 2023 WMP, DR Section 4.64, A001-1 SPO has observed the mitigation effectiveness of Covered Conductor is on the order of 49% compared to the value reported in the WMP which is 64% (page 34). Explain the discrepancy.</p>	<p>The data information is reported in the WMP. We have completed in response to the discovery request. We will reach out to Energy Safety to discuss this update and any corrections to the WMP part of the Energy Safety's Guidance Document 2023-0221_DR_SPO_000-0004A001-1. As an in-progress item in the original file and has been corrected in "WMP-Discovered 2023-0221_DR_SPO_000-0004A001-1". As an in-progress item in the original file and has been corrected in "WMP-Discovered 2023-0221_DR_SPO_000-0004A001-1". As an in-progress item in the original file and has been corrected in "WMP-Discovered 2023-0221_DR_SPO_000-0004A001-1".</p>	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	0	NA	8.1.2.1	Grid Design and System Hardening	Covered Conductor Installation - Distribution

372	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	1	CPUC - SPD (Safety Policy Division)_005_01	<p>1.Regarding costs inherent in PG&E's undergrounding grid hardening mitigation initiative projects, used in calculating cost efficiency and project feasibility as described in the 2022-2023 WMP (p. 345 and p. 698), is safe and looking forward?</p> <p>2.What was the average cost per circuit mile for undergrounding in 2022, 2021, and 2020, in the HFTD, non-HFTD, and territories?</p> <p>3.What was the average cost per circuit mile expected in 2023, 2024, and 2025, in the HFTD, non-HFTD, and territories?</p> <p>4.If appropriate, and if so, explain expected average year-over-year cost changes.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	https://www.pge.com/gea/ghd/undergrounding/undergrounding-work-and-for-rebuild-work-completed-undergrounding-circuit-miles-in-2022-2021-and-2020-as-in-HFTD-Year-Completed-Base-IGT-Total-List-Cost-Average-in-\$M	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
373	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	2	CPUC - SPD (Safety Policy Division)_005_02	<p>2.Provide the utility's cost estimate breakdown for undergrounding per mile. Provide the cost estimate in a commonly used cost-estimating format (e.g., Uniformat). If the utility uses a different format, provide internal documentation on that format so SPD can understand the cost estimate.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	https://www.pge.com/gea/ghd/undergrounding/undergrounding-work-and-for-rebuild-work-completed-undergrounding-circuit-miles-in-2022-2021-and-2020-as-in-HFTD-Year-Completed-Base-IGT-Total-List-Cost-Average-in-\$M	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
374	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	3	CPUC - SPD (Safety Policy Division)_005_03	<p>3.Are in PG&E incorporating subsurface variability (e.g., encountering hard rock, slopes, etc.) or other conditions preventing significant, physical obstacles into undergrounding cost calculations? Provide an example.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	https://www.pge.com/gea/ghd/undergrounding/undergrounding-work-and-for-rebuild-work-completed-undergrounding-circuit-miles-in-2022-2021-and-2020-as-in-HFTD-Year-Completed-Base-IGT-Total-List-Cost-Average-in-\$M	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
375	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	4	CPUC - SPD (Safety Policy Division)_005_04	<p>4.PG&E has stated that CallFire trench depth requirements exceeded PG&E trench depth requirements. How has this impacted costs and planning? For planning purposes, what percentage of anticipated underground circuit miles will be impacted by the CallFire trench depth requirements for 2023-2025?</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	https://www.pge.com/gea/ghd/undergrounding/undergrounding-work-and-for-rebuild-work-completed-undergrounding-circuit-miles-in-2022-2021-and-2020-as-in-HFTD-Year-Completed-Base-IGT-Total-List-Cost-Average-in-\$M	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
376	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	5	CPUC - SPD (Safety Policy Division)_005_05	<p>5.How does service life impact cost calculation?</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	https://www.pge.com/gea/ghd/undergrounding/undergrounding-work-and-for-rebuild-work-completed-undergrounding-circuit-miles-in-2022-2021-and-2020-as-in-HFTD-Year-Completed-Base-IGT-Total-List-Cost-Average-in-\$M	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
377	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	6	CPUC - SPD (Safety Policy Division)_005_06	<p>6.What is the estimated multiplier for conversion from overhead (OH) line to underground (UG) line (e.g., 1.25 like OH converts to 1.50 like UG)? a)How was this conversion rate determined? b)How was this established as the accepted/averaging average for project planning purposes?</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	https://www.pge.com/gea/ghd/undergrounding/undergrounding-work-and-for-rebuild-work-completed-undergrounding-circuit-miles-in-2022-2021-and-2020-as-in-HFTD-Year-Completed-Base-IGT-Total-List-Cost-Average-in-\$M	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
378	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	7	CPUC - SPD (Safety Policy Division)_005_07	<p>7.On pilot projects completed to date: a)What is the total pilot cost per mile? b)What is the breakdown of project costs per mile? SPD requests to see the following components inside of the costs, although SPD understands they may not be broken down in this exact format: • Design (e.g., fees for both internal and external designers) • Design Estimating (e.g., labor, materials, other costs) • Dependence (e.g., permits, contracts, long-lead materials) • Construction (e.g., civil construction, electric construction) • Other? (e.g., third party costs for non-employees or non-employees may complete work such as landscaping or road repair)</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	https://www.pge.com/gea/ghd/undergrounding/undergrounding-work-and-for-rebuild-work-completed-undergrounding-circuit-miles-in-2022-2021-and-2020-as-in-HFTD-Year-Completed-Base-IGT-Total-List-Cost-Average-in-\$M	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
379	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	8	CPUC - SPD (Safety Policy Division)_005_08	<p>8>Please provide WMP-Discovery2023_DR_TURN_007-Q001-NonH1CONF, used to address TURN Data Request 1, Question 1, discussing RSE calculation for system hardening.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	https://www.pge.com/gea/ghd/undergrounding/undergrounding-work-and-for-rebuild-work-completed-undergrounding-circuit-miles-in-2022-2021-and-2020-as-in-HFTD-Year-Completed-Base-IGT-Total-List-Cost-Average-in-\$M	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
382	CPUC - SPD (Safety Policy Division)	006	CPUC - SPD (Safety Policy Division)_006	2	CPUC - SPD (Safety Policy Division)_006_02	<p>2.PG&E asserted that PG&E is addressing the risk from secondary lines and service drops in part of replacing the secondary wire and conductor and insulators connected at service drops (see PG&E's response, Question 4 of SPD_PGE_2024_003 for additional description). PG&E also stated that there may need to be messaging update because the SPD mitigation effectiveness is only meant to apply to primary lines not that with respect to service drops. PG&E foresees clarifying this information in its messaging?</p>	Kevin Miller	5/17/2023	5/23/2023	5/23/2023	https://www.pge.com/gea/ghd/undergrounding/undergrounding-work-and-for-rebuild-work-completed-undergrounding-circuit-miles-in-2022-2021-and-2020-as-in-HFTD-Year-Completed-Base-IGT-Total-List-Cost-Average-in-\$M	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
381	CPUC - SPD (Safety Policy Division)	006	CPUC - SPD (Safety Policy Division)_006	1	CPUC - SPD (Safety Policy Division)_006_01	<p>1.After it was pointed out by SPD that there appeared to be a discrepancy in the methodologies used to calculate the risk mitigation effectiveness of EPSS, Undergrounding and Covered Conductor (CC), PG&E stated that CC is probably the most "realistic" mitigation effectiveness as the effectiveness based on empirical data and stress utility effectiveness (EPE) is the second most real and is based on empirical data, and that CC is the least mature mitigation effectiveness parameter established by account for secondary service drop systems. a)Provide this analysis or provide an update on when the analysis will be finished and submit the analysis when it is finished.</p>	Kevin Miller	5/17/2023	5/23/2023	5/23/2023	https://www.pge.com/gea/ghd/undergrounding/undergrounding-work-and-for-rebuild-work-completed-undergrounding-circuit-miles-in-2022-2021-and-2020-as-in-HFTD-Year-Completed-Base-IGT-Total-List-Cost-Average-in-\$M	0	NA	8.1.8.1.1	Grid Design, Operations, and Maintenance	Protective Equipment and Device Settings

400	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	7	CPUC - SPD (Safety Policy Division)_009_07	Provide a PPSF event, medical baseline customers receive automated calls, text and e-mails at the same intervals as the general customer notifications. In addition, these customers receive repeat automated calls and texts at hourly intervals until the customer confirms receipt of the notification by either answering the phone, responding to the text or opening the email. If confirmation is not received, a PG&E representative will call the customer's home to check on the customer in parallel to the continuation of hourly notification voices, referred to as the "booster" process. If the customer does not answer, a door hanger will be placed on the customer's door, labeled "PG&E" and "door hanger" process, in whole and beyond the guidelines set forth in CPUC's decision order 15-12-025. While PG&E has not specifically benchmarked as an industry practice, the three joint California OCU have aligned on this process. The door hanger is considered Successful Notification Delivery but not confirmed as a Notification Received. After a door hanger is left, these customers will continue to receive SMS/Email alerts and notifications.	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	https://www.pge.com/~/media/Files/CPUC/CPUC-SPD-009_07.pdf	0	N/A	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
445	CPUC - SPD (Safety Policy Division)	010	CPUC - SPD (Safety Policy Division)_010	1	CPUC - SPD (Safety Policy Division)_010_01	Provide the attached spreadsheet with information summarized from Table 11 of PG&E's most recently submitted SOR (01/2023 submitted Aug 7).	Kevin Miller	8/24/2023	9/1/2023	8/31/2023	https://www.pge.com/~/media/Files/CPUC/CPUC-SPD-010_01.pdf	1	N/A	QDR	N/A	N/A
477	CPUC - SPD (Safety Policy Division)	011	CPUC - SPD (Safety Policy Division)_011	1	CPUC - SPD (Safety Policy Division)_011_01	Provide calculations that justify Table RN-PG&E-23-05.5. Explain specifically how Risk Avoidance over Lifetime Benefit is calculated from Total Risk (page 85 of PG&E's 2023-2025 Wildfire Mitigation Plan (WMP) Supplemental Revision Notice Responses)	Henry Swast	10/10/2023	10/17/2023	10/17/2023	https://www.pge.com/~/media/Files/CPUC/CPUC-SPD-011_01.pdf	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
478	CPUC - SPD (Safety Policy Division)	011	CPUC - SPD (Safety Policy Division)_011	2	CPUC - SPD (Safety Policy Division)_011_02	Provide a numerical justification that shows the risk from (judges or other assessors) for EPSS compares to benefits if EPSS is waived, otherwise, SPO would prefer the analysis performed using cost benefit ratios (similar to the one being used for the following recommendations)	Henry Swast	10/12/2023	10/17/2023	10/17/2023	https://www.pge.com/~/media/Files/CPUC/CPUC-SPD-011_02.pdf	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
477	CPUC - SPD (Safety Policy Division)	012	CPUC - SPD (Safety Policy Division)_012	1	CPUC - SPD (Safety Policy Division)_012_01	Provide calculations that justify Table RN-PG&E-23-05.2. Explain specifically how Risk Avoidance over Lifetime Benefit is calculated from Total Risk (page 85 of PG&E's 2023-2025 Wildfire Mitigation Plan (WMP) Supplemental Revision Notice Responses)	Henry Swast	11/13/2023	11/15/2023	11/14/2023	https://www.pge.com/~/media/Files/CPUC/CPUC-SPD-012_01.pdf	1	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
618	CPUC - SPD (Safety Policy Division)	013	CPUC - SPD (Safety Policy Division)_013	1	CPUC - SPD (Safety Policy Division)_013_01	Date Recount: CallCalculation_039-0014 (CallCalculation-PGE2023WMP-03) Date Report Date: March 22, 2024 Date Date of Response to Date Report: April 5, 2024 PG&E Document No: W File WMP-Discovery2023-2025_DR_CallCalculation_039-0014A0A01CONF.xlsx WMP-Discovery2023-2025_DR_CallCalculation_039-0014A0A02CONF.xlsx WMP-Discovery2023-2025_DR_CallCalculation_039-0014A0A03CONF.xlsx WMP-Discovery2023-2025_DR_CallCalculation_039-0014A0A04CONF.xlsx	Henry Swast	5/14/2024	5/22/2024	5/16/2024	https://www.pge.com/~/media/Files/CPUC/CPUC-SPD-013_01.pdf	4	N/A	8	Section 8.3 - Situational Awareness and Forecasting	8.3.4.1 Existing System Detection Senses and Systems
632	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014	1	CPUC - SPD (Safety Policy Division)_014_01	Provide the last 100 created Priority A tags and associated inspection report. Include all photos from work orders or inspection report. a. A minimum of 50 tags must be identified during inspections. b. 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. SPO requests the maximum number of tags to be submitted to be 200.	Henry Swast	5/14/2024	5/31/2024	5/31/2024	https://www.pge.com/~/media/Files/CPUC/CPUC-SPD-014_01.pdf	3	N/A	8	8.0 Wildfire 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	Provide the last 100 created Priority X work orders and associated inspection report. Include all photos from work orders or inspection report. a. A minimum of 50 tags must be identified during inspections. b. 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. SPO requests the maximum number of tags to be submitted to be 200.	Henry Swast	5/14/2024	5/31/2024	5/31/2024	https://www.pge.com/~/media/Files/CPUC/CPUC-SPD-014_02.pdf	3	N/A	8	8.0 Wildfire 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	Provide the last 100 created Priority B work orders and associated inspection report. Include all photos from work orders or inspection report. a. A minimum of 50 tags must be identified during inspections. b. 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. SPO requests the maximum number of tags to be submitted to be 200.	Henry Swast	5/14/2024	5/31/2024	5/31/2024	https://www.pge.com/~/media/Files/CPUC/CPUC-SPD-014_03.pdf	3	N/A	8	8.0 Wildfire 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	Provide all job bulletins related to "X" tags.	Henry Swast	5/14/2024	5/28/2024	5/28/2024	https://www.pge.com/~/media/Files/CPUC/CPUC-SPD-014_04.pdf	1	N/A	8	8.0 Wildfire 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	Provide number of A, B, X, E, F for Aerial, Ground and Pole Test and Trestle tests during inspections (2023 and 2024) conducted from 01/15 and 06/17/23. Include number of inspections and find data for each tag type. Submit the same information in the same format as Table RN-PG&E-23-05.1 (submitted in 01/23 and 02/04 from PG&E's 2023-2025 Wildfire Mitigation Plan Supplemental Response to Revision Notice), except provide the actual tag find, when that "Find/Status Tag Type," indicates if inspectors or crews were seen for any of the aerial report: cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000	Henry Swast	5/14/2024	5/28/2024	5/28/2024	https://www.pge.com/~/media/Files/CPUC/CPUC-SPD-014_05.pdf	0	N/A	8	8.0 Wildfire 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	Establish tag re-prioritization oversight process where an inspector's initial prioritization is challenged. a. Provide the identified tags in 2024 based during inspections where the inspector identified A, X, and B tags where the tag was in a less urgent priority and that priority was changed. b. Provide inspection reports and work orders, including all photos, for the last 100 created tags found during inspections for each of A, X, and B where the tag was re-prioritized to a less urgent priority. 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.	Henry Swast	5/14/2024	5/31/2024	5/28/2024	https://www.pge.com/~/media/Files/CPUC/CPUC-SPD-014_06.pdf	3	N/A	8	8.0 Wildfire 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	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.	Henry Swast	5/14/2024	5/28/2024	5/28/2024	https://www.pge.com/~/media/Files/CPUC/CPUC-SPD-014_07.pdf	0	N/A	8	8.0 Wildfire Mitigations	8.1.3 Asset Inspections

387	Green Power Institute (GPI)	002	Green Power Institute (GPI)_002	5	Green Power Institute (GPI)_002_05	Please describe current actions and any recent (2019-Present) communications with state and federal agencies regarding fuels and slash management programs on state and federal lands, respectively.	The US Forest Service (USFS), Bureau of Land Management (BLM), National Park Service (NPS), and California State Parks (CASP) have the authority to require specific wood and debris management (e.g., wood chip removal, decking, chipping up to a certain diameter, piling) to be incorporated into proposals for Vegetation Management work on their lands. Please describe any agreements regarding GPI, any proposed PG&E with their expectations for wood and debris management, which are included in our Land Management Agreements. In addition to written specifications, some agencies have provided GIS files showing locations where wood piles must be removed. We communicate regularly with our agencies partner to address any immediate questions, requests or concerns. We also hold comprehensive annual coordination meetings. Additional Information: Attachments to this response contain CONFIDENTIAL information provided pursuant to the following meeting information: Confidentiality Declaration Please see the following meeting information with specifications and meeting notes for the last joint IOU working sessions held in 2023 regarding wood management: - June 2023 Joint IOU Working Session Attachment Name: Description WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf June 2023 Joint IOU Fuel Management WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf June 2023 Follow up Email "RE Meeting Notes Joint IOU Fuel Management Practices" WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf June 2023 Attachment to Follow up Email - "IOU Meeting Notes Fuel Management Practices - 2023-05-07" - August 2023 Joint IOU Working Session Attachment Name: Description WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf July 2023 Joint IOU Wood Management Practices Follow-up Meeting Information WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf August 2023 Follow up Email "Joint IOU Wood Management Practices Follow-up" WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf	Zoe Harold	5/1/2023	5/14/2023	5/14/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	8.2.2	Vegetation Management and Inspections	Wood and Slash Management
602	Green Power Institute (GPI)	003	Green Power Institute (GPI)_003	1	Green Power Institute (GPI)_003_01	Please provide any PG&E slides, meeting materials, and meeting minutes generated for and/or presented at the Joint IOU working sessions held in 2023 to discuss the different types of programs and practices each IOU has in place for observing and recycling woody debris and vegetation [1]. [1] SOG&E 2023 WMP Update, April 2, 2024, pp. 50-53	Attachments to this response contain CONFIDENTIAL information provided pursuant to the following meeting information: Confidentiality Declaration Please see the following meeting information with specifications and meeting notes for the last joint IOU working sessions held in 2023 regarding wood management: - June 2023 Joint IOU Working Session Attachment Name: Description WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf June 2023 Joint IOU Fuel Management WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf June 2023 Follow up Email "RE Meeting Notes Joint IOU Fuel Management Practices" WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf June 2023 Attachment to Follow up Email - "IOU Meeting Notes Fuel Management Practices - 2023-05-07" - August 2023 Joint IOU Working Session Attachment Name: Description WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf July 2023 Joint IOU Wood Management Practices Follow-up Meeting Information WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf August 2023 Follow up Email "Joint IOU Wood Management Practices Follow-up" WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf	Zoe Harold	4/26/2024	5/1/2024	5/1/2024	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	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_02	Please provide any PG&E slides, meeting materials, and meeting minutes generated for and/or presented at the Joint IOU working sessions held in 2023 to discuss each IOU's respective fuel management programs and begin initial collaboration on a possible scoping study on best practices and efficacy of fuel management [2]. [2] SOG&E 2023 WMP Update, April 2, 2024, pp. 50-53	Attachments to this response contain CONFIDENTIAL information provided pursuant to the following meeting information: Confidentiality Declaration Please see the following meeting information with specifications and meeting notes for the last joint IOU working sessions held in 2023 regarding wood management: - June 2023 Joint IOU Working Session Attachment Name: Description WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf June 2023 Joint IOU Fuel Management WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf June 2023 Follow up Email "RE Meeting Notes Joint IOU Fuel Management Practices" WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf June 2023 Attachment to Follow up Email - "IOU Meeting Notes Fuel Management Practices - 2023-05-07" - August 2023 Joint IOU Working Session Attachment Name: Description WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf July 2023 Joint IOU Wood Management Practices Follow-up Meeting Information WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf August 2023 Follow up Email "Joint IOU Wood Management Practices Follow-up" WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf	Zoe Harold	4/26/2024	5/1/2024	5/1/2024	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	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_03	Please provide a summary of any developments since the 2023 meeting and working sessions towards starting a Joint IOU scoping study on best practices and efficacy of fuel management, including but not limited to general topics for inclusion in the scoping study.	Attachments to this response contain CONFIDENTIAL information provided pursuant to the following meeting information: Confidentiality Declaration Please see the following meeting information with specifications and meeting notes for the last joint IOU working sessions held in 2023 regarding wood management: - June 2023 Joint IOU Working Session Attachment Name: Description WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf June 2023 Joint IOU Fuel Management WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf June 2023 Follow up Email "RE Meeting Notes Joint IOU Fuel Management Practices" WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf June 2023 Attachment to Follow up Email - "IOU Meeting Notes Fuel Management Practices - 2023-05-07" - August 2023 Joint IOU Working Session Attachment Name: Description WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf July 2023 Joint IOU Wood Management Practices Follow-up Meeting Information WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf August 2023 Follow up Email "Joint IOU Wood Management Practices Follow-up" WMP-Disclosure2023-2023_DR_GPI_003-001A0401CONF.pdf	Zoe Harold	4/26/2024	5/1/2024	5/1/2024	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	8	Section 8.2 - Vegetation Management and Inspections	8.2.3 Vegetation and Fuels Management
4	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	1	MGRA_Data_Request_No.1_Q1	Please provide for Asset Point data for Canem, Fuel, Support Structure, and Weather Station.	In response to this request, PG&E is providing Canem and Weather Station data, as delivered in the Q4 2022 CEI GE Data Standard Submission. PG&E is also providing non-confidential data from the Support Structure feature class. PG&E is not providing data for the Fuel feature class as this data is confidential critical energy infrastructure information (CEI).	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	1	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
4	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	1(a)	MGRA_Data_Request_No.1_Q1(a)	Please provide for Asset Point data for Canem, Fuel, Support Structure, and Weather Station.	In response to this request, PG&E is providing Canem and Weather Station data, as delivered in the Q4 2022 CEI GE Data Standard Submission. PG&E is also providing non-confidential data from the Support Structure feature class. PG&E is not providing data for the Fuel feature class as this data is confidential critical energy infrastructure information (CEI).	Joseph Michal	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	4	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
5	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	2	MGRA_Data_Request_No.1_Q2	Please Asset Line data for Transmission Line (as permitted as non-confidential), Primary Distribution Line, and Secondary Distribution Line.	In response to this request, PG&E is providing non-confidential data for the Primary and Secondary Distribution Line Feature Classes. PG&E is not providing the Transmission Line Feature class because it is confidential CEI.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
5	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	2(a)	MGRA_Data_Request_No.1_Q2(a)	Please Asset Line data for Transmission Line (as permitted as non-confidential), Primary Distribution Line, and Secondary Distribution Line.	In response to this request, PG&E is providing non-confidential data for the Primary and Secondary Distribution Line Feature Classes. PG&E is not providing the Transmission Line Feature class because it is confidential CEI.	Joseph Michal	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
6	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	3	MGRA_Data_Request_No.1_Q3	Please PPSI Event data, including Event Log, Event Line, Event Polygon data. Please exclude customer meter data. Provide all PPSI Event Asset Damage data including photos.	In response to this request, PG&E is unable to provide PPSI Event data, PPSI Event Damage data, and PPSI Damage photos since there were no PPSI Events from last business through 2022.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
6	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	3(a)	MGRA_Data_Request_No.1_Q3(a)	Please PPSI Event data, including Event Log, Event Line, Event Polygon data. Please exclude customer meter data. Provide all PPSI Event Asset Damage data including photos.	In response to this request, PG&E is unable to provide PPSI Event data, PPSI Event Damage data, and PPSI Damage photos since there were no PPSI Events from last business through 2022.	Joseph Michal	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
7	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	4	MGRA_Data_Request_No.1_Q4	Please Risk Event Point data, including Wire Down, Ignition, Transmission Upstream Outage, Distribution Upstream Outage, Distribution Vegetation Caused Upstream Outage, and Risk Event Asset Log feature classes and related table.	In response to this request, PG&E is providing non-confidential data for the Wire Down, Ignition, Transmission Upstream Outage, Distribution Upstream Outage, Distribution Vegetation Caused Upstream Outage, and Risk Event Asset Log feature classes and related table.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
7	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	4(a)	MGRA_Data_Request_No.1_Q4(a)	Please Risk Event Point data, including Wire Down, Ignition, Transmission Upstream Outage, Distribution Upstream Outage, Distribution Vegetation Caused Upstream Outage, and Risk Event Asset Log feature classes and related table.	In response to this request, PG&E is providing non-confidential data for the Wire Down, Ignition, Transmission Upstream Outage, Distribution Upstream Outage, Distribution Vegetation Caused Upstream Outage, and Risk Event Asset Log feature classes and related table.	Joseph Michal	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
8	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	5	MGRA_Data_Request_No.1_Q5	Please photo data for Risk Events.	PG&E does not have any non-confidential or non-published data to provide in response to this request. The photos provided in the feature class may be subject to attorney client privilege or the work product doctrine and may be subject to an ongoing investigation. Additionally, PG&E risk event photos are confidential CEI because they reveal physical facility and critical infrastructure information.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
8	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	5(a)	MGRA_Data_Request_No.1_Q5(a)	Please photo data for Risk Events.	PG&E does not have any non-confidential or non-published data to provide in response to this request. The photos provided in the feature class may be subject to attorney client privilege or the work product doctrine and may be subject to an ongoing investigation. Additionally, PG&E risk event photos are confidential CEI because they reveal physical facility and critical infrastructure information.	Joseph Michal	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
9	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	6	MGRA_Data_Request_No.1_Q6	Under Initiative, please provide Grid Handringing data, including Handringing Log, Handringing Point, and Handringing Line data. Inspection data is not requested at this time.	In response to this request, PG&E is providing non-confidential data for the System Handringing, Butte County Retail, and 10k Underpinning WMP initiative programs that were included in the Grid Handringing Log, Grid Handringing Point, and Grid Handringing Line feature classes and related table. Additional initiative projects included in these feature classes include data on where PG&E has replacements, switch replacements, surge arrester replacements, and SCADA enabled work has been performed, and where future work is planned to take place. These are confidential CEI because they reveal physical facility and critical infrastructure information. As such, have been removed from the response.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
9	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	6(a)	MGRA_Data_Request_No.1_Q6(a)	Under Initiative, please provide Grid Handringing data, including Handringing Log, Handringing Point, and Handringing Line data. Inspection data is not requested at this time.	In response to this request, PG&E is providing non-confidential data for the System Handringing, Butte County Retail, and 10k Underpinning WMP initiative programs that were included in the Grid Handringing Log, Grid Handringing Point, and Grid Handringing Line feature classes and related table. Additional initiative projects included in these feature classes include data on where PG&E has replacements, switch replacements, surge arrester replacements, and SCADA enabled work has been performed, and where future work is planned to take place. These are confidential CEI because they reveal physical facility and critical infrastructure information. As such, have been removed from the response.	Joseph Michal	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
10	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	7	MGRA_Data_Request_No.1_Q7	Under Initiative, please provide Other Initiative data for post, line, polygon features and the Other Initiative Log.	In response to this request, PG&E is providing WMP initiative program data for the Weather Station Installation and Optimization and Canem Installation that were included in the Other Initiative Log and Other Initiative Post related table feature class. Additional WMP initiative projects reported in these feature classes include data on where PG&E Line Sensor Installation, Distribution Fuel Anticipation, EPSS Reliability Improvements and Early Fault Detection sensors work has been performed, and where future work is planned to take place. These are confidential CEI because they reveal physical facility and critical infrastructure information. As such, have been removed from the response.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
10	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	7(a)	MGRA_Data_Request_No.1_Q7(a)	Under Initiative, please provide Other Initiative data for post, line, polygon features and the Other Initiative Log.	In response to this request, PG&E is providing WMP initiative program data for the Weather Station Installation and Optimization and Canem Installation that were included in the Other Initiative Log and Other Initiative Post related table feature class. Additional WMP initiative projects reported in these feature classes include data on where PG&E Line Sensor Installation, Distribution Fuel Anticipation, EPSS Reliability Improvements and Early Fault Detection sensors work has been performed, and where future work is planned to take place. These are confidential CEI because they reveal physical facility and critical infrastructure information. As such, have been removed from the response.	Joseph Michal	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
11	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	8	MGRA_Data_Request_No.1_Q8	Under Other Required Data, please provide Red Flag Warning Day polygon data.	PG&E is providing the Red Flag Warning Day polygon data, as requested by MGRA.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
11	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	8(a)	MGRA_Data_Request_No.1_Q8(a)	Under Other Required Data, please provide Red Flag Warning Day polygon data.	PG&E is providing the Red Flag Warning Day polygon data, as requested by MGRA.	Joseph Michal	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
12	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	9	MGRA_Data_Request_No.1_Q9	Please provide a layer indicating calculated critical-risk level using the methodology presented in the WMP. If independent probability and consequence layers exist, please provide these independently as well.	The method described in the 2023 WMP's aggregate model needs to be updated to produce a structural member risk level but it is not used to produce a critical level risk value. However, the geospatial representation of circuit segments that would be provided in response to this data request involves the classification of CEI, which we are unable to list. PG&E is unable to provide a critical level risk value without the requesting party agreeing to protect the information through a non-disclosure agreement.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
12	MGRA	Data Request No. 1	MGRA_Data_Request_No.1	9(a)	MGRA_Data_Request_No.1_Q9(a)	Please provide a layer indicating calculated critical-risk level using the methodology presented in the WMP. If independent probability and consequence layers exist, please provide these independently as well.	The method described in the 2023 WMP's aggregate model needs to be updated to produce a structural member risk level but it is not used to produce a critical level risk value. However, the geospatial representation of circuit segments that would be provided in response to this data request involves the classification of CEI, which we are unable to list. PG&E is unable to provide a critical level risk value without the requesting party agreeing to protect the information through a non-disclosure agreement.	Joseph Michal	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html https://www.pge.com/energy/infrastructure/vegetation-management/vegetation-management-reports/vegetation-management-reports.html	1	NA	6.4	Risk Analysis Results and Presentation	Risk Analysis Results and Presentation

565	MGRA	Date Request No. 10	MGRA_Data_Request No. 10	1	MGRA_Data_Request No. 10_01	<p>Please provide a spreadsheet listing (in rows) of every undergrounding project completed during the period of January 1, 2023, through December 31, 2023, including non-WMP projects. For each project please provide the following information (in columns):</p> <ul style="list-style-type: none"> a) Project ID number or other identifier. b) Circuit ID number. c) Of each circuit segment that was entirely undergrounded in the project (1) Total overhead circuit-miles removed. d) Total overhead circuit-miles retained. e) Total miles of trenching required. f) Total electric cost of the project (i.e., costs attributed to your electric facilities), including costs for planning, design, permitting, and construction. g) Total number of customers served by the project. h) Total number of minutes of PSPS experienced by the project circuit segments since 2019. 	Joseph Mitchell	4/12/2024	4/17/2024	4/17/2024	https://www.ags.com/ItemPage/ItemPage.aspx?item=614&url=/public/undergrounding-reports	1	N/A		Section 8.1.2 - Grid Design and System Hardening	8.1.2.2 Undergrounding of electric lines and/or equipment
566	MGRA	Date Request No. 10	MGRA_Data_Request No. 10	2	MGRA_Data_Request No. 10_02	<p>Please provide a spreadsheet listing (in rows) of every planned undergrounding project to be fully or partially completed by the end of 2025. This includes work currently underway, completed in 2024, or to be performed in 2024.</p> <ul style="list-style-type: none"> a) Order number. b) Program. c) Circuit ID number. d) Circuit segment name or ID number of the project affects more than one circuit segment, please identify each one. e) Relevant address (not necessary) from the address risk model that you are using to estimate distribution of your 2025 Update Risk. f) The expected start date of the project. g) Estimated completion date of the project. h) Length (in circuit miles) of underground conductor to be installed prior to the end of 2025. i) Length (in circuit miles) of overhead conductor to be permanently removed prior to the end of 2025 and replaced by underground conductor (note that this may differ slightly from the previous section due to differing overhead and underground). j) Length (in circuit miles) of overhead conductor to be permanently removed in 2025 and not replaced with covered conductor or undergrounded. k) Total number of customers served by the project. l) Total number of minutes of PSPS experienced by the project circuit segments since 2019. 	Joseph Mitchell	4/12/2024	4/17/2024	4/17/2024	https://www.ags.com/ItemPage/ItemPage.aspx?item=614&url=/public/undergrounding-reports	1	N/A		Section 8.1.2 - Grid Design and System Hardening	8.1.2.2 Undergrounding of electric lines and/or equipment
567	MGRA	Date Request No. 10	MGRA_Data_Request No. 10	3	MGRA_Data_Request No. 10_03	Are DCD algorithms based on prevailing weather conditions? If so, please describe how frequency of DCD is adjusted according to weather.	Joseph Mitchell	4/12/2024	4/17/2024	4/17/2024	https://www.ags.com/ItemPage/ItemPage.aspx?item=614&url=/public/undergrounding-reports	0	N/A	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-14 Effectiveness Analysis for EPSS including implementation of DCD
568	MGRA	Date Request No. 10	MGRA_Data_Request No. 10	4	MGRA_Data_Request No. 10_04	During today's April 8th meeting and confer, the ADMS technology was mentioned that could allow much faster modeling of fault configurations. Please describe ADMS and for what applications it could be used, and how much it might help to improve the data for us.	Joseph Mitchell	4/12/2024	4/17/2024	4/17/2024	https://www.ags.com/ItemPage/ItemPage.aspx?item=614&url=/public/undergrounding-reports	0	N/A	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-14 Effectiveness Analysis for EPSS including implementation of DCD
569	MGRA	Date Request No. 10	MGRA_Data_Request No. 10	5	MGRA_Data_Request No. 10_05	Please provide the 2023 and 2023 EPSS reliability studies referred to on p. 8 and p. 12 of TNEB08_2024042112556_20240402_PG23_WMP/Reliability_RFC21315_Alt01.pdf	Joseph Mitchell	4/12/2024	4/17/2024	4/17/2024	https://www.ags.com/ItemPage/ItemPage.aspx?item=614&url=/public/undergrounding-reports	3	N/A	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-14 Effectiveness Analysis for EPSS including implementation of DCD
570	MGRA	Date Request No. 10	MGRA_Data_Request No. 10	6	MGRA_Data_Request No. 10_06	As per discussions in the April 8th meeting and confer, please provide distribution of forecasted outage data for the 2023 calendar year if any format required to remove transmission data or any other confidential information. This can be unredacted to the extent of the Confidentiality Data Report.	Joseph Mitchell	4/12/2024	4/17/2024	4/17/2024	https://www.ags.com/ItemPage/ItemPage.aspx?item=614&url=/public/undergrounding-reports	1	N/A	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-14 Effectiveness Analysis for EPSS including implementation of DCD
585	MGRA	Date Request No. 11	MGRA_Data_Request No. 11	1	MGRA_Data_Request No. 11_01	Please provide non-confidential versions of any responses to Cal Advocates data requests if the responses to Cal Advocates are confidential.	Joseph Mitchell	4/16/2024	4/19/2024	4/19/2024	https://www.ags.com/ItemPage/ItemPage.aspx?item=614&url=/public/undergrounding-reports	0	N/A	6.2.1	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
586	MGRA	Date Request No. 11	MGRA_Data_Request No. 11	2	MGRA_Data_Request No. 11_02	<p>PG&E objects to the request on the grounds that it seeks to impose a continuing discovery obligation on PG&E. Continuing discovery obligations are not permitted under California's Discovery Code (Cal. Civ. Proc. Code §§ 2034.001, 2034.002, 2034.003, 2034.004, 2034.005, 2034.006, 2034.007, 2034.008, 2034.009, 2034.010, 2034.011, 2034.012, 2034.013, 2034.014, 2034.015, 2034.016, 2034.017, 2034.018, 2034.019, 2034.020, 2034.021, 2034.022, 2034.023, 2034.024, 2034.025, 2034.026, 2034.027, 2034.028, 2034.029, 2034.030, 2034.031, 2034.032, 2034.033, 2034.034, 2034.035, 2034.036, 2034.037, 2034.038, 2034.039, 2034.040, 2034.041, 2034.042, 2034.043, 2034.044, 2034.045, 2034.046, 2034.047, 2034.048, 2034.049, 2034.050, 2034.051, 2034.052, 2034.053, 2034.054, 2034.055, 2034.056, 2034.057, 2034.058, 2034.059, 2034.060, 2034.061, 2034.062, 2034.063, 2034.064, 2034.065, 2034.066, 2034.067, 2034.068, 2034.069, 2034.070, 2034.071, 2034.072, 2034.073, 2034.074, 2034.075, 2034.076, 2034.077, 2034.078, 2034.079, 2034.080, 2034.081, 2034.082, 2034.083, 2034.084, 2034.085, 2034.086, 2034.087, 2034.088, 2034.089, 2034.090, 2034.091, 2034.092, 2034.093, 2034.094, 2034.095, 2034.096, 2034.097, 2034.098, 2034.099, 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298	MGRA	Data Request No. 4	MGRA_Data_Request_No.4	5	MGRA_Data_Request_No.4_Q5	Please provide an alternative and more complete version of this data set in which the historic data is provided either in a 50m grid. This will allow a reworking of "low" and "high" risk to be more relative and show any gradients across the PG&E territory. It should also include a coverage of all circuits in the WDRM.	Please provide the requested data in "WMP-Discovory2023_DR_MGRA_004-0003A0401.zip". Results from analysis at the circuit level are provided in the attached file for the specific risk pools and associated predicted values for all locations in the WDRM.	Joseph Mitchell	4/28/2023	5/8/2023	5/9/2023	0	NA	6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the PFRA Proposed Update to HFTD
299	MGRA	Data Request No. 4	MGRA_Data_Request_No.4	6	MGRA_Data_Request_No.4_Q6	Is the risk score for each polygon represent an average over the risk in the polygon; please provide an additional version in which the maximum numerical value in the polygon is provided instead.	As described in section 6.2.3.2 pages 177 and 172 of PG&E 2002-2009 WMP, the point-level risk value is the product of the cumulative probability of risk drivers at that point and the median consequence. As such, the value is not an average over the risk in a polygon.	Joseph Mitchell	4/28/2023	5/8/2023	5/9/2023	0	NA	6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the PFRA Proposed Update to HFTD
300	MGRA	Data Request No. 4	MGRA_Data_Request_No.4	7	MGRA_Data_Request_No.4_Q7	If possible, provide the additional sets of GIS data to identify faults to the original, one representing the PCI component of the WDRM model and a second set showing the consequential component of the WDRM score. Output should be in numerical format and not binary.	The file provided in "WMP-Discovory2023_DR_MGRA_004-0003A0401.zip" contains the additionally requested Risk, PCI, and Wildlife Consequence data.	Joseph Mitchell	4/28/2023	5/8/2023	5/9/2023	0	NA	6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the PFRA Proposed Update to HFTD
301	MGRA	Data Request No. 4	MGRA_Data_Request_No.4	8	MGRA_Data_Request_No.4_Q8	Please provide or email spreadsheet giving the Distribution Outage ID for each outage occurring while EPSS was enabled in 2022.	Please see "WMP-Discovory2023_DR_MGRA_004-0003A0401.xlsx"	Joseph Mitchell	4/28/2023	5/8/2023	5/9/2023	0	NA	8.1.8.1	Grid Operations and Procedures	Protective Equipment and Device Settings
303	MGRA	Data Request No. 5	MGRA_Data_Request_No.5	1	MGRA_Data_Request_No.5_Q1	Is the sole source of this PCI data the machine learning algorithm described in WDRM documentation? If not what other steps go into the PCI?	Yes, the PCI data shown is the result of the process and data described in section 6.2.1 and shown in Table PG&E 6.2.1.1	Joseph Mitchell	5/10/2023	5/15/2023	5/15/2023	0	NA	6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the PFRA Proposed Update to HFTD
304	MGRA	Data Request No. 5	MGRA_Data_Request_No.5	2	MGRA_Data_Request_No.5_Q2	Is the fine-grained PCI distribution a result of the localization of specific historical outages, characteristics of asset or environment, or both?	The fine-grained features (shape constraints) in values between neighboring points in PG&E risk model outputs are a product of freely varying specific covariates, including asset characteristics and environmental attributes. Please see PG&E's response to Question 4 of the Data Request for an explanation of these historical outages may influence fine-grained localization. The causal effects of response to MGRA 004 0004 "As the point-by-point level, the model does exhibit some level of noise that can result in high-risk hot spots in an area of generally lower risk spots. For this reason, sensitive development is generally guided by circuit segment level aggregation that provide an improved resolution of risk level."	Joseph Mitchell	5/10/2023	5/15/2023	5/15/2023	0	NA	6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the PFRA Proposed Update to HFTD
305	MGRA	Data Request No. 5	MGRA_Data_Request_No.5	3	MGRA_Data_Request_No.5_Q3	Which of the following characteristics is known or suspected to contribute to the fine-grained localization of PCI above, and, to what degree? Vegetation The density and height of Asset health Asset age Asset type Asset condition/condition history	The data representing the items listed in parts a through e all contribute, in varying degrees depending on location and proximity to the fine-grained outlier point in PG&E risk modeling outputs, reducing the spatial noise provided by MGRA. Fine-grained localization may result when locations of significant covariate variability exist in PG&E's service territory (e.g. heavily forested area next to non-forested area). The causal effects of part f, hardening/mitigation history, were not directly modeled for the WDRM V3. To be entered an asset is required as part of a wildfire mitigation project, the asset health, age, and type would be selected in WDRM V3 and may contribute to fine-grained localization.	Joseph Mitchell	5/10/2023	5/15/2023	5/15/2023	0	NA	6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the PFRA Proposed Update to HFTD
306	MGRA	Data Request No. 5	MGRA_Data_Request_No.5	4	MGRA_Data_Request_No.5_Q4	As an example of "localized outage" effects, if a vehicle were to collide with a utility pole and cause an outage in the secondary or the single circuit, and the PCI were to be recalculated, would the area where the outage occurred show an increase in PCI? Or would conversely the increased increase risk of vehicle collision outage be generally distributed over the entire landscape, or a portion of the landscape?	The type of outage would be classified into the Contact Form Object "Wire party vehicle" and not listed in Table PG&E 6.2.1.1. In reality, a single accident does not have very much impact on the PCI. However, we can say that the additional PCI for that outage would be localized to the accident location and on the day of each outage. Wild and other weather events would not be localized to the accident location, but they would not be spread evenly across all WDRM V3.	Joseph Mitchell	5/10/2023	5/15/2023	5/15/2023	0	NA	6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the PFRA Proposed Update to HFTD
307	MGRA	Data Request No. 5	MGRA_Data_Request_No.5	5	MGRA_Data_Request_No.5_Q5	Are the weather inputs included in the WDRM v3 PCI model in any other manner than that described in WDRM v3 documentation? Are there any weather input variables such as annual maximum or annual days over an asset as consecutive variables?	Yes, in WDRM V3, day-of-asset wind speed and fuel conditions are significant covariates in the probability of ignition given the weather model, which is used to model the probability of ignition on the day of each outage. Wild and other contributors to "the weather" conditions are also prominent in the consequential consequences in WDRM V3.	Joseph Mitchell	5/10/2023	5/15/2023	5/15/2023	0	NA	6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the PFRA Proposed Update to HFTD
308	MGRA	Data Request No. 6	MGRA_Data_Request_No.6	1	MGRA_Data_Request_No.6_Q1	PG&E was requested to provide an Excel spreadsheet containing outage IDs. These were delivered with an OutageID study conducted by the OCM&MD that it fails to in outage data provided as a result of DR1. Please provide the file sent in response to OCM&MD as soon as possible.	"WMP-Discovory2023_DR_MGRA_006-0001A0101.xlsx" contains a new column called "OutageID" that will align with the same outage identifier (ID) from DR1.	Joseph Mitchell	5/15/2023	5/18/2023	5/18/2023	1	NA	8.1.8.1	Grid Operations and Procedures	Protective Equipment and Device Settings
309	MGRA	Data Request No. 6	MGRA_Data_Request_No.6	2	MGRA_Data_Request_No.6_Q2	Please add (or re-add) a simple "cause" attribute to our outage file.	"WMP-Discovory2023_DR_MGRA_006-0001A0101.xlsx" contains a new column called "basic_cause" as requested.	Joseph Mitchell	5/15/2023	5/18/2023	5/18/2023	0	NA	8.1.8.1	Grid Operations and Procedures	Protective Equipment and Device Settings
310	MGRA	Data Request No. 6	MGRA_Data_Request_No.6	3	MGRA_Data_Request_No.6_Q3	likewise, please add a "cause" attribute to the outage data in the GIS file issued in response to MGRA DR1. Alternatively, provide an Excel file in which cause is cross-referenced to OutageID.	"WMP-Discovory2023_DR_MGRA_006-0001A0101.xlsx" includes both "basic_cause" and "OutageID" for cross-referencing.	Joseph Mitchell	5/15/2023	5/18/2023	5/18/2023	0	NA	8.1.8.1	Grid Operations and Procedures	Protective Equipment and Device Settings
311	MGRA	Data Request No. 6	MGRA_Data_Request_No.6	4	MGRA_Data_Request_No.6_Q4	If there are refusals or delays to the above please provide the EPSS data in a text format similar to that provided in response to MGRA DR10-Question 6.	Not applicable.	Joseph Mitchell	5/15/2023	5/18/2023	5/18/2023	0	NA	8.1.8.1	Grid Operations and Procedures	Protective Equipment and Device Settings
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 Specialist team. Specifically please note the level of experience team members have in: Fire spread modeling using Techniqs or other simulation tools Traffic control and evacuation modeling Wildfire firefighting and suppression Provide any specific work experience or accomplishments.	PG&E has 50 Public Safety Specialists (PSS) at the request and assist teams. Below, we describe the general roles, levels, responsibilities, and qualifications of the PSS team. Other than the roles, we provide a table that lists the current and desired certified for PSS specialties and sectors. Generally, a PSS is responsible for serving as the point of contact for certified staff of emergency services (OES) and law enforcement agencies. The PSS also facilitates communications with and assists with public equipment, contractors, and other agencies. We have members, utilities and other specialized groups within PG&E's service territory and provides on-site support for PG&E and agency responses during emergency activations. Additionally, the position supports gas and electric regulatory compliance mandates, the delivery of the Community Wildfire Safety Program and the Public Safety Power Shutoff Program, wildfire readiness efforts, and emergency planning efforts across all Functional Areas. PSS teams are structured regionally. Collectively, the teams are a diverse group of safety specialists with varying degrees of experience in fire spread modeling, traffic control and evacuation, and wildfire firefighting and suppression. Experience in these areas is primarily based on their current modeling, traffic control and evacuation work. PSS team members who previously worked in law enforcement have significant experience in traffic control and evacuation modeling because that work generally falls to law enforcement agencies during a wildfire fire or other disaster. Team members who had previous careers in law enforcement generally had executive level positions within their respective agencies. PSS staff who previously worked for wildfire fire agencies, such as CALFIRE, USDA Forest Service, National Park Service, and the Bureau of Land Management have extensive experience in wildfire firefighting and suppression, with some limited to emergency operations in the disaster modeling only. Experience in other simulation tools. These team members often are very knowledgeable about traffic control and evacuation modeling. Most of our team members who had previous careers in firefighting held the position of Chief Officer and above. The PSS staff and some from firefighting within local government agencies such as counties, cities, and special districts have varying degrees of experience in the spread modeling, traffic control and evacuation, and wildfire firefighting and suppression based on the size and nature of their respective agencies.	Joseph Mitchell	10/6/2023	10/12/2023	10/12/2023	0	NA	8.4.4.1	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 or does the PSS team also analyze the potential for entrapment by fuel moving wildfires or other inefficient roadway?	Ingress and egress concerns are not determined solely by the potential for falling poles. The PSS considers many factors when evaluating ingress and egress concerns in a complex or rapidly expanding wildfire incident. * Population density * Time of day (there are differences between evaluating communities at night when most people are at home compared to during the day when fewer people are at home) * Amount of the public would need to evacuate or shelter in place * Notifications and information made available to the public * Road infrastructure (e.g. road size, number of lanes, type of surface, etc.) * Fuel types along an evacuation corridor (e.g. grass vs. forest vs. wetland) * Elevation/terrain conditions (e.g. fire risk including high temperatures, dry fuels, etc.) * Topography/terrain (do evacuation routes place evacuees in danger due to steep slopes, drop-offs, and other factors or a corridor which are often associated with extreme fire behavior) * Human factors (e.g. ability to travel, especially large and small pets, knowledge or experience of citizens living in high fire hazard areas) * Location of overhead electrical assets (e.g. poles proximity to the road) and whether and conductor crossings over those areas/ingress corridors should they become impacted by the fire and fall into the evacuation corridor) * Fuel types along the roadway, slope, size of equipment, etc.) * Fuel types along the roadway, slope, size of equipment, etc.)	Joseph Mitchell	10/6/2023	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 PSS score of the entire circuit? Specifically, in how many firefighting projects are there one circuit? Provide a distribution if possible. What fraction does the firefighting project typically take up of the circuit? Provide a distribution if possible. How have EPSS scores are determined and how these compare against WDRM V3. Is PSS ingress/egress scoring used as an element incorporated into the risk model (e.g. as an independent decision tree branch)? What fraction of underground projects rely on PSS ingress/egress scores to make the determination to underground? Provide the fraction for cases where it was the only/primary determinant and. Provide the fraction for cases where PSS ingress/egress was only one of many factors used in the determination to underground.	5. The portion of the circuit taken up by a firefighting project varies by circuit and depends on the risk distribution within the circuit and the needs of the street. There is no average distribution. CIP system firefighting projects can range from less than one mile to 10 miles. The circuit for small firefighting alternatives is typically made of a sub-project or a section of the circuit. The circuit in the firefighting project is not used in the determination of the value of the PSS score. PG&E assumes the quality of being in the PSS score. The PSS score is an output from a PSS Circuit Based Risk Assessment. A copy of the PSS assessment score sheet and the PSS Circuit Based Risk Assessment (CIRBA) is provided in the "WMP-Discovory2023_DR_MGRA_007-0003A0401.xlsx". In response to Question 1 of the Data Request, PG&E provided the qualifications for PSS team members. Only selected PSS team members were qualified by PG&E's Wildlife Governance team to provide the PSS Circuit Based Risk Assessment. To perform an assessment, a PSS must have: * Minimum of 10 years of education, training, and experience in wildfire incident response * Knowledge bases including fire behavior, prevention identified, suppression tactics and strategies, all risk emergency response, command and control, and complex incident management. * Each evaluator has functioned as a Chief Officer within California Professional Wildfire Firefighting Agencies. * Experience as members of a Local, State, or Federal Incident Management Team. PSS scores do not compare to WDRM v3 risk scores. The PSS score was used as a supplemental review of risks that was not identified by or qualified by WDRM v3. The PSS score is an independent metric. The PSS score is used to determine	Joseph Mitchell	10/6/2023	10/12/2023	10/12/2023	1	NA	8.1.3	Asset Inspections	NA

181	OEIS	002	OEIS_002	4	OEIS_002_04	<p>On page 567, PG&E references the weather stations deployed over their 10,000 square mile territory for monitoring conditions.</p> <p>Please see the attachment "WMP-Disaster2023_DR_OEIS_002-Q00AAH01CONFORM" for the requested information. The attachment is a spreadsheet in coordination with Western Weather Group, who provides guidance on calibration and maintenance cycles.</p> <p>Over the last 3 years, 111 out of 103 stations were calibrated in 2020, 281 out of 923 stations in 2021, and 1207 out of 1315 stations in 2022. The remainder of these stations were not able to be serviced due to External Factors such as weather, power outages, or communication issues.</p> <p>Please see the PG&E specific standard that is being referenced for the calibration or compared to the manufacturer's standard.</p> <p>Please see the total number of stations that are serviced annually over the past 3 years, and the maintenance performed on each station.</p> <p>Please see the total number of stations not serviced annually over the past 3 years to "remediation of station" and "weather conditions" in a span of each season and the replacement cycle for each.</p>	Colin Long	4182003	4182003	4182003	<p>https://www.pge.com/csr/pdfs/2023-2024-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2022-2023-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2021-2022-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2020-2021-annual-report.pdf</p>	2	NA	8.2.1	Situational Assessment and Forecasting	Existing Systems, Technologies, and Procedures
182	OEIS	002	OEIS_002	5	OEIS_002_05	<p>Please provide an Excel version of Table 7.4 - Summary of Risk Reduction for Top Risk Circuit Segments from PG&E 2023 WMP.</p>	Colin Long	4182003	4182003	4182003	<p>https://www.pge.com/csr/pdfs/2023-2024-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2022-2023-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2021-2022-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2020-2021-annual-report.pdf</p>	1	NA	7.2.3	Wildfire Mitigation Strategy Development	Projected Risk Reduction on Highest Risk Circuits Over the 3-Year WMP Cycle
183	OEIS	002	OEIS_002	6	OEIS_002_06	<p>Under Section 8.1.2.3, PG&E only includes additional information for distribution protection devices. What property does PG&E currently have for system automation equipment at the transmission level?</p>	Colin Long	4182003	4182003	4182003	<p>https://www.pge.com/csr/pdfs/2023-2024-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2022-2023-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2021-2022-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2020-2021-annual-report.pdf</p>	0	NA	8.1.2.3.1	Grid Design and System Hardening	T-Line removal (in HTD) - Transmission
184	OEIS	002	OEIS_002	7	OEIS_002_07	<p>Please provide a definition for PG&E's "Critical Pass Rate" for its asset inspection OC, as shown in Table PG&E-22-01. This should include criteria for what qualifies as "critical" including any risk thresholds, associated equipment types, or other information.</p> <p>Please see the "Critical Pass Rate" defined from the "DC Review HTD Failure Rate" provided in Table WMP-G&E-22-08-05 in response to Critical Pass Rate PG&E-22-08 (if not, describe how the test differs).</p> <p>Please see the "Critical Pass Rate" defined from the review of the "DC Review HTD - Failure Rate" provided in Table WMP-G&E-22-08-04 in response to Critical Pass Rate PG&E-22-08 (if not, describe how the test differs).</p>	Colin Long	4182003	4182003	4182003	<p>https://www.pge.com/csr/pdfs/2023-2024-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2022-2023-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2021-2022-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2020-2021-annual-report.pdf</p>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-01 Asset Inspection Quality Assurance and Quality Control ACI PG&E-22-08 Better Application of Specific Lessons Learned from Utility-Caused Fires
185	OEIS	002	OEIS_002	8	OEIS_002_08	<p>When would PG&E perform an EIA?</p> <p>Please provide an example of an Ignition PG&E performed EIA, including supporting documentation and reports as applicable.</p> <p>Is an Excel format, provide the following information for each ignition in which PG&E performed an EIA, following the same definitions as Table 13 of the QOR:</p> <p>1) EIA type (ignition occurred)</p> <p>2) EIA type</p> <p>3) Date of ignition</p> <p>4) Whether performing EIA (HTD/DC/EPSS protected facility, etc.)</p> <p>5) EIA type</p> <p>6) Ignition other</p> <p>7) EIA type</p> <p>8) Summary/notes on the cause of ignition as identified via EIA</p>	Colin Long	4182003	4182003	4182003	<p>https://www.pge.com/csr/pdfs/2023-2024-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2022-2023-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2021-2022-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2020-2021-annual-report.pdf</p>	4	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-08 Better Application of Specific Lessons Learned from Utility-Caused Fires
186	OEIS	002	OEIS_002	9	OEIS_002_09	<p>Please include the definitions for the EPSS Outage Types under Column J for the table labeled "2022 EPSS Outage Data".</p> <p>What analysis has PG&E performed on EPSS-caused outages to determine which outages would have led to an incident?</p> <p>What percentage of EPSS-caused outages since the establishment of the EPSS program would have led to an ignition? EPSS not been analyzed?</p> <p>Exclusion done by year since establishment of the EPSS program, how many ignitions have occurred on EPSS-protected circuits when EPSS was enabled at the time of ignition?</p> <p>Exclusion done by year since establishment of the EPSS program, how many ignitions have occurred on EPSS-protected circuits when EPSS was not enabled at the time of ignition?</p> <p>In PG&E response to WMP-G&E-22-12, PG&E provided additional reliability measures in Table WMP-G&E-22-12-05: EPSS System Reliability Remediation & Correction Actions, such as targeted equipment repairs, as PG&E will using of the identified reliability measures within this table? If not, provide a list of reliability measures PG&E is using to improve reliability, as well as an explanation as to why it is not used.</p> <p>Please include the GDS file for Figure PG&E-22-31 - Change to Number of EPSS Outages.</p> <p>Please include an Excel version of 2022-2027, PG&E_2022_WMP_RL_Appendix D(ACI) PG&E-22-31.</p> <p>2) Provide additional information on the table labeled "2022 CPZ Data".</p> <p>3) Provide additional information on the table labeled "2022 CPZ Data".</p> <p>4) Whether or not the CPZ qualifies for additional mitigation based on the results of the study.</p> <p>The mitigation types being used in the CPZ as a result of vegetation management, including of animal guards, etc.</p>	Colin Long	4182003	4182003	4182003	<p>https://www.pge.com/csr/pdfs/2023-2024-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2022-2023-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2021-2022-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2020-2021-annual-report.pdf</p>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-31 Update on EPSS Reliability Study
187	OEIS	002	OEIS_002	10	OEIS_002_010	<p>Please include an Excel sheet listing all open orders closed by PG&E in 2022 following the same format and information as Table 13 of the QOR, with the additional columns:</p> <p>Does the order include:</p> <p>LINE&E Priority (A, B, E, H, I, and F)</p> <p>W/Whether the order is classified as an "Ignition-Risk HTD/HFRA" tag</p> <p>W/Whether the order is Non-Pole or Pole</p> <p>W/Whether the order is closed/being closed/open work orders following the same format and information as Table 13 of the QOR, with the additional columns:</p> <p>PG&E Priority (A, B, E, H, I, and F)</p> <p>W/Whether or not the order qualifies as an "Ignition-Risk HTD/HFRA" tag</p> <p>W/Whether the order is Non-Pole or Pole</p>	Colin Long	4182003	5/8/2023	5/8/2023	<p>https://www.pge.com/csr/pdfs/2023-2024-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2022-2023-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2021-2022-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2020-2021-annual-report.pdf</p>	1	NA	8.1.7	Open Work Orders	NA
215	OEIS	003	OEIS_003	1	OEIS_003_01	<p>Regarding Activities that Exceed GO 166</p> <p>On page 624, PG&E states "is currently working with Internal and external stakeholders, including CADEE to develop an updated EOC plan that meets compliance requirements in CPUC General Order (GO) 166, Standards for Operations, Reliability, and Safety During Emergencies and Disasters." (GO 166, Standard 1.2.1.1)</p> <p>What are the additional activities being implemented to meet the requirements of GO 166, Standard 1.2.1.1? Please list and describe the additional activities. Explain how each listed activity exceeds GO 166.</p>	Colin Long	4/21/2023	4/26/2023	4/26/2023	<p>https://www.pge.com/csr/pdfs/2023-2024-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2022-2023-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2021-2022-annual-report.pdf</p> <p>https://www.pge.com/csr/pdfs/2020-2021-annual-report.pdf</p>	0	NA	8.4.1.1	Emergency Preparedness	Objectives

341	OEIS	004	OEIS_004	15	OEIS_004_Q15	<p>Regarding Feasibility Concerns</p> <p>PG&E must provide an explanation of how, if at all, feasibility concerns impact the decision making of its Wildlife Governance Steering Committee in selecting a corridor for mitigation measures that deviate from the risk information prioritization. This should include:</p> <ol style="list-style-type: none"> A description of the decision-making process followed by the Wildlife Governance Steering Committee, including where feasibility concerns are accounted for. The correlation between the V2 risk criteria and WFE. The correlation between WFE and feasibility. An associated path to prioritization due to implementing feasibility constraints. <p>A list of any projects not included within U2 scope due to feasibility constraints.</p>	Colin Long	5/8/2023	5/8/2023	5/8/2023	https://www.pge.com/globalassets/energy/2023/05/08/2023-05-08-004-Q15.pdf	1	NA	Appendix D	Appendix D - Areas for Combined Improvement	AC PG&E 23-4 - Review Process of Prioritizing Wildlife Mitigations
342	OEIS	004	OEIS_004	16	OEIS_004_Q16	<p>Regarding Effectiveness of EPSS</p> <p>Provide the formulas and calculations used by PG&E to determine the effectiveness of EPSS.</p> <p>Provide analysis demonstrating adequate overlap between EPSS risk and wildfire risk to ensure PG&E's EPSS is directly addressing wildfire risk reported to reliability.</p> <p>Provide PG&E's workshop for reviewing EPSS-directed mitigation measures, including ratios and work hours offset amount from wildfire risk mitigation. The above should include annual management related mitigations.</p>	Colin Long	5/8/2023	5/8/2023	5/8/2023	https://www.pge.com/globalassets/energy/2023/05/08/2023-05-08-004-Q16.pdf	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_Q17	<p>Regarding PG&E's Underpinning Program</p> <p>Provide the rationale for 12 and 15 risk scores of the 2022 WMP vs 2023 WMP underpinning scope for 2023-2028. This should not include nor account for feasibility.</p> <p>Provide the rationale on the remaining 10 of the miles no longer accepted for underpinning including:</p> <ul style="list-style-type: none"> 1. Mitigation being put in place if not accepted for underpinning in the future 2. The number of miles accepted for the future (year 2023) 3. Alternative mitigation being used if no longer accepted for underpinning 	Colin Long	5/8/2023	5/8/2023	5/10/2023	https://www.pge.com/globalassets/energy/2023/05/08/2023-05-08-004-Q17.pdf	2	NA	8.1.2.2	Grid Design and System Hardening	The Underpinning of Electric Lines and/or Equipment - Distribution
359	OEIS	005	OEIS_005	1	OEIS_005_Q1	<p>Regarding Maturity Survey response to Section 6.1.4 Question #8: PG&E answered "yes" What sections of the company Emergency Response Plan (CEMP) does PG&E provide a discussion of gaps, limitations, and improvement areas with respect to corrective action plans as it relates to wildfire and PSPPT if the discussion is contained in other documents, provide those and clearly what sections the discussion is contained in.</p>	Colin Long	5/1/2023	5/16/2023	5/16/2023	https://www.pge.com/globalassets/energy/2023/05/01/2023-05-01-005-Q01.pdf	3	NA	Maturity Survey	Maturity Survey	
360	OEIS	005	OEIS_005	2	OEIS_005_Q2	<p>Regarding Maturity Survey response to Section 6.1.4 Question #2: PG&E answered "yes" What an external third party evaluation is considered every five years.</p> <p>Provide a copy of the most recent third party evaluation.</p>	Colin Long	5/1/2023	5/16/2023	5/16/2023	https://www.pge.com/globalassets/energy/2023/05/01/2023-05-01-005-Q02.pdf	0	NA	Maturity Survey	Maturity Survey	
361	OEIS	005	OEIS_005	3	OEIS_005_Q3	<p>Regarding Maturity Survey response to Section 6.1.4 Question #7: PG&E answered "yes" That Subject Matter Experts (SME) perform internal and external audits every five years.</p> <p>Provide a copy of the most recent SME evaluation(s).</p>	Colin Long	5/1/2023	5/16/2023	5/16/2023	https://www.pge.com/globalassets/energy/2023/05/01/2023-05-01-005-Q03.pdf	1	NA	Maturity Survey	Maturity Survey	
366	OEIS	006	OEIS_006	3	OEIS_006_Q3	<p>Regarding PG&E's response to TURIN Data Request 7, Question 3</p> <p>For each of the circuit segments listed in part (b), provide the following by Excel:</p> <ol style="list-style-type: none"> WFE score EPSS score Feasibility scores V2 risk score V3 risk score V2 risk ranking PG&E's plans to mitigate risk, including mitigation types Years of mitigation implementation, as applicable. 	Deviata Smith	5/16/2023	5/23/2023	5/23/2023	https://www.pge.com/globalassets/energy/2023/05/16/2023-05-16-006-Q03.pdf	1	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
384	OEIS	006	OEIS_006	1	OEIS_006_Q1	<p>Regarding PG&E's response to OEIS DR 2 Question 10: Attachment 1</p> <p>Explain the difference between a Field Safety Reassessment and a Planned Field Safety Reassessment.</p> <p>Explain the difference between PG&E's work order due date through a Field Safety Reassessment? Provide supporting documentation and criteria, including any procedures and inspection protocols demonstrating decision-making.</p> <p>In what instances would a Standard Change lead to extending a work order due date? Provide all supporting documentation and criteria, including any procedures and inspection protocols demonstrating decision-making. Additionally, provide examples in which this has occurred, including any averaging changes.</p> <p>In what instances would a Standard Change lead to extending a work order due date? Provide all supporting documentation and criteria, including any procedures and inspection protocols demonstrating decision-making. Additionally, provide examples in which this has occurred, including any averaging changes.</p> <p>In what instances would a Standard Change lead to extending a work order due date? Provide all supporting documentation and criteria, including any procedures and inspection protocols demonstrating decision-making. Additionally, provide examples in which this has occurred, including any averaging changes.</p> <p>Provide the work order documentation associated with each of these tags in a. Electric Corrective notification(s) for these tags will occur? If not, provide the respective completion date for each tag as determined by timing of completion (see on how long).</p> <p>Provide PG&E's list of Field Campaign Action (FCA) codes for determining which ones present an ignition risk as discussed in response to California Data Request 7 Question 8.</p>	Deviata Smith	5/16/2023	5/23/2023	5/23/2023	https://www.pge.com/globalassets/energy/2023/05/16/2023-05-16-006-Q01.pdf	8	NA	8.1.7	Open Work Orders	NA

599	OEIS	016	OEIS_016	2	OEIS_016_Q2	<p>Q2: Regarding PG&E's Quarterly Targets for Routine Patrol</p> <p>In PG&E's 2023 WMP Update, PG&E sets quarterly targets for Routine Patrol – Distribution (08-16) 2023 and 2024 targets are included for reference.</p> <p>PG&E's Routine Patrol Targets by Year in Circuit Month</p> <p>Year of Q2</p> <p>End of Q2</p> <p>End of Year</p> <p>2023</p> <p>41,753</p> <p>51,806</p> <p>70,200</p> <p>10,223</p> <p>18,688</p> <p>18,620</p> <p>2024</p> <p>37,200</p> <p>47,200</p> <p>65,200</p> <p>17,200</p> <p>25,200</p> <p>25,200</p> <p>2023-2025</p> <p>18.7%</p> <p>19.7%</p> <p>While PG&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 year-over-year.</p> <p>Why have PG&E's end of Q2 and end of Q3 targets for routine patrol decreased year-over-year since 2022?</p> <p>What percentage of PG&E's end of Q2 and end of Q3 2025 targets will be completed within the WF? ?</p> <p>How will PG&E ensure the WF ID cost does not top the risk value we requested in a timely manner to mitigate wildfire risk before and during wildfire season?</p>	Brad Hill	4/22/2024	4/25/2024	4/25/2024	0	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-09 Decrease in Desired Distribution Inspections
600	OEIS	016	OEIS_016	3	OEIS_016_Q3	<p>Q3: Regarding PG&E's Adjustments to its WORM</p> <p>In its 2023 WMP Update, PG&E discusses the changes made between its Wildfire Distribution Risk Model (WDRM) Version 3 (V3) to Version 4 (V4). Based off those changes, provide:</p> <p>a. An updated version of Table 6-4 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 7-1 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>d. An updated version of Figure 7-4 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>e. A graph demonstrating the overlaid risk scores between V3 and V4, similar to the graph provided in Data Request OEIS-PG&E-22-019 Question 17 showing the difference in output between V3 and V4.</p>	Brad Hill	4/22/2024	4/25/2024	4/25/2024	0	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
600	OEIS	016	OEIS_016	3(x)	OEIS_016_Q3(x)	<p>Q3: Regarding PG&E's Adjustments to its WORM</p> <p>In its 2023 WMP Update, PG&E discusses the changes made between its Wildfire Distribution Risk Model (WDRM) Version 3 (V3) to Version 4 (V4). Based off those changes, provide:</p> <p>a. An updated version of Table 6-4 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 7-1 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>d. An updated version of Figure 7-4 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>e. A graph demonstrating the overlaid risk scores between V3 and V4, similar to the graph provided in Data Request OEIS-PG&E-22-019 Question 17 showing the difference in output between V3 and V4.</p>	Brad Hill	4/22/2024	5/8/2024	5/8/2024	1	0	NA	6.1.2	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
644	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016	1	CPUC - SPD (Safety Policy Division)_016_Q1	<p>In response to ACI PG&E-23-13 – Workforce Planning and Resource Allocation in Response to EPSS Events, Customer Energy Programs/Outlets/lines (CADI) needs PG&E initiated customer or average equipment EPSS events of 178 minutes in 2022 and 193 minutes in 2023 (We note that the CADI score when excluding EPSS Event Days (MED) was 153 minutes for 2023. What was the ratio (weekly) or diversity if lower, for the remainder of the year from 2022 to 2023?</p>	Henry Sweet	5/30/2024	6/4/2024	6/4/2024	0	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-13
605	OEIS	017	OEIS_017	1	OEIS_017_Q1	<p>Regarding the Joint Utility Council Consensus Effectiveness Weekly Meetings</p> <p>PG&E 2023 Update mentions that it participated in weekly meetings with utilities in 2023 to benchmark and share information regarding several conductive effectiveness ("e-4E") responses to PG&E-23-04 "Cross-Utility Collaboration on Best Practices for Inclusion of Climate Change Forecasts in Consequence Modeling, Inclusion of Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildfire Safety")</p> <p>Please explain the following:</p> <ol style="list-style-type: none"> Which utilities were present at these weekly meetings? The first month these meetings began. How often these meetings were held in response to a specific Area of Continued Improvement. If so, please state which Area of Continued Improvement. 	Brad Hill	4/29/2024	5/20/2024	5/20/2024	0	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_Q2	<p>Regarding the Utility Underwriting Working Group Meetings</p> <p>PG&E 2023 Update mentions that Utility the utility also developed an underground working group to discuss lessons learned and the challenges associated with underground. (e-4E, responses to PG&E-23-04 "Cross-Utility Collaboration on Best Practices for Inclusion of Climate Change Forecasts in Consequence Modeling, Inclusion of Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildfire Safety")</p> <p>Please explain the following:</p> <ol style="list-style-type: none"> Which utilities were present at these working group meetings? Are these monthly, weekly, or quarterly meetings? Please specify. If these meetings were in response to a specific Area of Continued Improvement. If so, please state which Area of Continued Improvement. If not, please state what directed these meetings were in response to. 	Brad Hill	4/29/2024	5/20/2024	5/20/2024	0	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_Q3	<p>Regarding the Standing Joint Utility Monthly Meetings</p> <p>PG&E 2023 Update mentions that "Furthermore, as described above, PG&E, SCE, and SOG&E developed standing monthly joint utility meetings, creating a forum to keep one another updated and discuss wildfire topics (e-4E, responses to PG&E-23-04 "Cross-Utility Collaboration on Best Practices for Inclusion of Climate Change Forecasts in Consequence Modeling, Inclusion of Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildfire Safety")</p> <p>Please provide the following:</p> <ol style="list-style-type: none"> Provide the following information about these standing monthly joint utility sessions: Each meeting session's date, time, and host organization. Does PG&E plan to continue these sessions in the future? Are there any plans to include San Valley, Century, or PG&E/SC in these meetings? If yes, please state any past or future attempts to include these utilities. 	Brad Hill	4/29/2024	5/20/2024	5/20/2024	4	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-04
608	OEIS	017	OEIS_017	4	OEIS_017_Q4	<p>Regarding the Joint Utility Monthly Meetings on the WMP</p> <p>PG&E 2023 Update mentions that "The Joint Utilities conduct a monthly meeting that discusses many areas of the WMP in depth. PG&E, Southern California Edison Company (SCE), and SOG&E each have teams leading the meetings. Topics for these meetings generally cover mitigation strategy and implementation, regulatory development, and knowledge sharing." (e-4E, responses to PG&E-23-04 "Cross-Utility Collaboration on Best Practices for Inclusion of Climate Change Forecasts in Consequence Modeling, Inclusion of Community Vulnerability in Consequence Modeling, and Utility Vegetation Management for Wildfire Safety")</p> <p>Are these meetings in response to a specific Area of Continued Improvement?</p> <p>If so, please state which Area of Continued Improvement.</p> <p>Are these monthly meetings the same as the Joint Utility meetings mentioned on page 48 of PG&E's 2023 Update (Furthermore, as described above, PG&E, SCE, and SOG&E developed standing monthly joint utility meetings, creating a forum to keep one another updated and discuss wildfire topics.)</p> <p>If not, please describe how they are different.</p>	Brad Hill	4/29/2024	5/20/2024	5/20/2024	1	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-04

308		010	TURN_010	7	TURN_010_07	<p>1. Please see "WMP-Disavow2023_DR_TURN_010-0007A68030CNF.pdf" sent by VM Program Communications on 10/24/2023.</p> <p>2. In an email to the EVM team on 10/24/2023, PG&E informed that due to the end of the Enhanced Vegetation Management (EVM) Program by year end, PG&E has identified the EVM program's regulatory language and evaluation.</p> <p>3. Please see "WMP-Disavow2023_DR_TURN_010-0007A68030CNF.pdf" and "WMP-Disavow2023_DR_TURN_010-0007A68030CNF.pdf" sent by VM Program Communications on 10/24/2023.</p> <p>4. The EVM program begins in 2019. Please see below for EVM Actual Totals for 2019-2022.</p> <p>5) 1918.4 Acre 6) 442.48 7) 775.64 2023: 817M</p>	Tom Long	4/26/2023	5/30/2023	5/30/2023	3	Yes	8.2.3	Vegetation Management and Inspections	Vegetation and Fuels Management
309		011	TURN_011	1	TURN_011_01	<p>1. PG&E's WMP (R1) at page 4 references WORM c2.</p> <p>2. Please explain and quantify the difference in risk scoring results between WORM c2 and WORM c3. Please provide supporting data and explain in Excel with working formulas.</p> <p>3. Please provide all details of WORM c3 in Excel at the circuit segment, circuit protection zone, or most granular level available. This should include, at a minimum, the following information in separate columns for all overhead HT and HV circuit segments:</p> <p>A) Unique circuit segment identifier that can be used to cross-reference with PG&E's underground worklogs, present in spreadsheet "2023-2024_PGSE_2023_WMP_R1_Appendix A-03_PGSE-22-19_A0017". Please add this unique identifier to the worksheet if necessary and provide in Excel if not already available. This unique identifier should also be incorporated into the response to question 2.</p> <p>B) Total wildfire risk score.</p> <p>C) Total PPS risk score.</p> <p>D) Total PPS risk score (please explain in the response how this is calculated).</p> <p>E) Mean PPS risk score (please explain in the response how this is calculated).</p> <p>F) Risk Rank (please explain in the response how this is calculated).</p> <p>G) Detailed number of underground miles to underground the circuit (if available for currently accepted projects).</p> <p>H) Please add 4 columns to the spreadsheet provided in part (b) for the number of overhead miles expected to be underground in 2023, 2024, and 2025, respectively, corresponding to each circuit segment.</p>	Tom Long	5/1/2023	5/30/2023	5/30/2023	2	NA	6.2	Risk Methodology and Assessment	Risk Analysis Framework
310		011	TURN_011	2	TURN_011_02	<p>1. PG&E's underground worklogs "2023-04-08_PGSE_2023_WMP_R1_Appendix A-03_PGSE-22-19_A0017".</p> <p>2. Please add a column that provides the unique circuit segment identifier requested in 1(b) above.</p> <p>3. Please add 4 columns to the spreadsheet that provides the total wildfire risk of each circuit segment as calculated by WORMa.</p> <p>4. Please add 4 columns to the spreadsheet that provides the total wildfire risk of each circuit segment as calculated by WORMb.</p> <p>5. Please add 4 columns that provides the total overhead circuit miles of each circuit segment.</p> <p>6. Please explain why that number of overhead miles that correspond to each year's total underground miles (with WRA).</p> <p>7. Can you reproduce the "feasibility scores by CPZ" which is defined in the definitions tab as a "Cost multiplier relative to the difficulty of undergrounding the circuit segment (Circuit Protection Zone (CPZ)). Please explain what the multiplier is applied to. For example, what is the baseline cost of undergrounding per mile of circuit of 101,000,000, 202,000,000, and 303,000,000 respectively?</p> <p>8. Please provide an indication of how the multiplier is used to estimate costs. For example, if a CPZ has a feasibility score of 2.5, what is the estimated cost? Please explain and provide the calculation for this scenario.</p> <p>9. Please provide the estimated costs forecast related to the WMP for 2023-2025, annually. Please provide in Excel with formulas that calculate the costs for each year. Please provide all supporting workpapers and calculations in Excel. Please provide recorded 2022 costs for undergrounding miles within the WMP.</p>	Tom Long	5/1/2023	5/30/2023	5/30/2023	3	Yes	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-16 - Progress and Updates on Undergrounding and Risk Prioritization
312		011	TURN_011	4	TURN_011_04	<p>1. Regarding Attachment 2023-04-08_PGSE_2023_WMP_R2_Section 4.2_A0017, an earlier version of which is referenced on page 105, 16, 17 of the WMP (R1).</p> <p>2. Please add 4 columns to the spreadsheet and provide the unique circuit segment identifier requested in 1(b) above and C&M 2023-03 above.</p> <p>3. In the circuit protection zone supporting data and provide risk calls in this spreadsheet to support the "Individual Risk" calculations in tab "Data_RR" (columns L, O, R, and U for undergrounding). Many items link to documents in PG&E's internal server locations.</p> <p>4. Please define and explain the following column headings on the "Data_RR" tab: "Assigned, Control, for system, baselines, wildfire, risk, area".</p> <p>5. Please explain how, and whether, PG&E has incorporated an overhead to underground conversion ratio in its calculation of mitigated risk. Please provide details.</p> <p>6. Please confirm that the sum of all risk mitigation for undergrounding in 2023, 2024, and 2025, is 2,321 units, which represents 10 percent of baseline wildfire risk.</p> <p>7. If confirmed, please provide a corrected calculation, and an explanation of the percentages of total wildfire risk mitigated by undergrounding indicated by these calculations.</p> <p>8. If confirmed, does PG&E agree that this means these calculations indicate PG&E will reduce wildfire risk by 10 percent through its undergrounding program from 2023-2025? Please explain why or why not.</p> <p>9. If PG&E disagrees with the 10 percent figure, please provide the correct percentage of wildfire risk PG&E expects to mitigate through its undergrounding program.</p> <p>Please provide all supporting workpapers, calculations, and assumptions in Excel.</p>	Tom Long	5/1/2023	5/30/2023	5/30/2023	1	NA	6.4.2	Risk Methodology and Assessment	Top Risk-Contributing Circuit Segments
311		TURN	TURN_011	3	TURN_011_03	<p>1. Regarding DR response TURN_1 attachment "WMP-Disavow2023_DR_TURN_007-0001A68030CNF.pdf".</p> <p>2. Please add 4 columns to this spreadsheet, for tab "PG&E US Worklogs 2023-26_Conf", with the unique identifier for each circuit segment provided in 1(b) and 2(a) above.</p> <p>3. Please add the supporting data and calculations for "PG&E US Worklogs 2023-26_Conf" column AC "HF_WFE Scores". The formula looks up a value in a confidential data request sent to CalPFA. Please provide in Excel with formulas that calculate with internal references to calculation, not external workbooks.</p> <p>4. Please provide "WMP-Disavow2023_DR_TURN_010-0007A68030CNF.pdf" Excel that is provided in response to part (b) of this question. Please provide in Excel with formulas that calculate with internal references to calculation, not external workbooks.</p>	Tom Long	5/1/2023	5/30/2023	5/30/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
345		TURN	TURN_012	2	TURN_012_02	<p>1. Comparing the wildfire mitigation work proposed in PG&E's WMP with the wildfire mitigation work proposed in PG&E's last year 2022 (A31-A32-0621).</p> <p>2. Please discuss the wildfire mitigation program proposed in volume of wildfire mitigation work proposed between the WMP and the GRC for the years 2023-2025 and compare the wildfire mitigation work proposed in PG&E's WMP to the wildfire mitigation work proposed in the WMP and the GRC for the years 2022-2024.</p> <p>3. Please provide a table that shows, on a program by program basis, the WMP proposal, the GRC proposal, and a description of the differences between the two, including which implementation activities are unique to each of the WMP and GRC proposals.</p> <p>4. Please provide a table that shows, on a program by program basis, the WMP proposal, the GRC proposal, and a description of the differences between the two, including which implementation activities are unique to each of the WMP and GRC proposals.</p> <p>5. Please provide a table that shows, on a program by program basis, the WMP proposal, the GRC proposal, and a description of the differences between the two, including which implementation activities are unique to each of the WMP and GRC proposals.</p>	Tom Long	5/30/2023	5/1/2023	5/1/2023	0	NA	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
344		TURN	TURN_012	1	TURN_012_01	<p>1. Please confirm that the Streamlined Wildfire Risk Report (SWRR) and Wildfire Feasibility Expansion (WFE) measures discussed in page 10 of PG&E's WMP are only calculated by PG&E for undergrounding projects.</p> <p>2. Please provide a table that shows, on a program by program basis, the WMP proposal, the GRC proposal, and a description of the differences between the two, including which implementation activities are unique to each of the WMP and GRC proposals.</p> <p>3. Please provide a table that shows, on a program by program basis, the WMP proposal, the GRC proposal, and a description of the differences between the two, including which implementation activities are unique to each of the WMP and GRC proposals.</p> <p>4. Please provide a table that shows, on a program by program basis, the WMP proposal, the GRC proposal, and a description of the differences between the two, including which implementation activities are unique to each of the WMP and GRC proposals.</p>	Tom Long	5/30/2023	5/1/2023	5/1/2023	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-16 - Review Process of Prohibiting Wildfire Mitigation

683	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017	3	CPUC - SPD (Safety Policy Division)_017_03	Prepare a table which shows the number of Circuit Mile Days where EPSS is enabled for 2022 and 2023 for the following: PG&E's 8-10 as compared to the new criteria. Additionally, provide the expected number of Circuit Mile Days where EPSS will be enabled for each criterion for a typical year.	Please see response to SPD_017-0001. PG&E continues to average the same enablement criteria first approved by PG&E's Utilities Risk Governance Steering Committee in 2022 and provided in response to Question No. 001. EPSS ratings were enabled for approximately 5,560,000 Circuit Mile Days in 2022 and approximately 5,520,000 Circuit Mile Days in 2023. Given EPSS enablement is dependent on the forecasted daily weather risk conditions in PG&E's service area and may vary year to year, the number of Circuit Mile Days where EPSS will be enabled is not available. However, based on the prior two years of program utilization, PG&E has averaged approximately 5,540,000 Circuit Mile Days of EPSS enablement annually.	Henry Sweet	6/10/2024	6/13/2024	6/13/2024	https://www.pge.com/Assets/Reports/Inspection-Reports/2023-2024-EPSS-Enablement-Data-Table.pdf	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
684	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017_04	4	CPUC - SPD (Safety Policy Division)_017_04	Discuss the reason for the changes.	Please see response to SPD_017-0001. PG&E continues to observe its EPSS peak season and non-peak season widths.	Henry Sweet	6/10/2024	6/13/2024	6/13/2024	https://www.pge.com/Assets/Reports/Inspection-Reports/2023-2024-EPSS-Enablement-Data-Table.pdf	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
685	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017_05	5	CPUC - SPD (Safety Policy Division)_017_05	Consider the additional risk (and/or increased) due to the changes in criteria. This consideration should account for lower probabilities of fires at lower FPI levels. Compare the additional risk induced due to increased (or reduced) fire to the change in criteria.	PG&E is still completing the requested analysis and will provide the requested change in risk by Monday, July 1, 2024.	Henry Sweet	6/10/2024	6/13/2024	6/13/2024	https://www.pge.com/Assets/Reports/Inspection-Reports/2023-2024-EPSS-Enablement-Data-Table.pdf	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
686	CPUC - SPD (Safety Policy Division)	017	CPUC - SPD (Safety Policy Division)_017_06	6	CPUC - SPD (Safety Policy Division)_017_06	Provide the analysis referenced in ACI PG&E-23-26 which compares the risk associated with EPSS enablement thresholds. SPD understands the analysis shows a demonstration of trade-offs between reliability and wildfire risk mitigation effectiveness for each FPI level as well as reduction of areas outside the HF ID. SPD already has access to the analysis provided with the WAMP filing, and would like to see the more detailed FPI based analysis.	Please see response to SPD_017-0005.	Henry Sweet	6/10/2024	6/13/2024	6/13/2024	https://www.pge.com/Assets/Reports/Inspection-Reports/2023-2024-EPSS-Enablement-Data-Table.pdf	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
683	CPUC - SPD (Safety Policy Division)	016	CPUC - SPD (Safety Policy Division)_016_G10(a)	10(a)	CPUC - SPD (Safety Policy Division)_016_G10(a)	sub02shyngaeAGEW3WpT2	As a requirement for this release response of June 10, 2024, please see the response below which provides the requested information for Priority A and X overhead distribution tags. This information was not included in the initial response as we needed additional time to gather and quality control the data. a Please see the table below: WAMP-Discov023-2025_DR_SPD_016-00110Supp01 Page 2 Calculation Code Example Copy The EC notification is being converted to another notification type. The replacement notification will be referenced in the notification log but when searching for this reason. For example, an EC notification is converted to a "self" notification. No photo is required. CLASS The EC notification is a "dummy" notification created to generate an order ONLY. No work is required in the field. No photo is required. A duplicate EC notification exists for the same location. The duplicate notification will be referenced in the notification's log but when searching for this reason. No photo is required. EDOR The notification was created to enter field cancellation. For example, an EC notification was not intended to be created or multiple EC notifications generated due to communication errors. No photo is required. NCR No compelling or regulatory condition exists. A minimum of two photos are required for this cancellation reason. PG&E will retain a field if photos are not provided. PROG This work package is being completed under another program (CODE, Reliability, WRO, etc.). No photo is required. b Please see the table below for the requested information for Priority A tags. Count of Notification No Column Labels: CONV, DUPL, ENDR, NCR, NCR, NCR, PROG, Grant True 2020 14 54 17 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z	Henry Sweet	5/30/2024	6/13/2024	6/13/2024	https://www.pge.com/Assets/Reports/Inspection-Reports/2023-2024-EPSS-Enablement-Data-Table.pdf	0	NA	8	Section 8.1.7 - Open Work Orders	8.1.7.2 Open Work Orders - Distribution Tags
687	OEIS	022	OEIS_022	1	OEIS_022_01	Regarding Monitoring Potential Hazard Trees: For Forested Tree Inspections, does One View VM have the capability to document potential defects or issues found with "inventory only trees" so that PG&E may monitor the condition of those trees? For other VM inspections, does inspector able to document potential defects or issues found with trees not prescribed for work so that PG&E may monitor the condition of those trees?	For the FTI program, the One VM application is not set up to document potential defects or issues with "inventory only trees". Inspection operations with bases of potential defects or issues that would cause the tree to fall within 10 months of operations is completed twice a year in HF ID areas where PG&E is contractually monitor the health of the vegetation along the line. For other VM programs housed within One VM, the application is not set up to document potential defects or issues when a prescribed for work so that PG&E may monitor the condition of those trees.	Brad Hill	6/11/2024	6/14/2024	6/14/2024	https://www.pge.com/Assets/Reports/Inspection-Reports/2023-2024-EPSS-Enablement-Data-Table.pdf	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-30 Continued Progression of Vegetation Management Maturity
687	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014_00(a)	0(a)	CPUC - SPD (Safety Policy Division)_014_00(a)	Explain tag prioritization oversight process where an inspector's initial prioritization is changed. 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 to. b Provide inspection reports and work orders, including 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. 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 change priority and (5) a description of the defect.	PG&E is amending its response to support its Division No. 100. For initial correspondence with the Safety Policy Division (SPD) on June 10, 2024, PG&E initially created the inspection reports in "WAMP-Discov023-2025_DR_SPD_014-0000W01A001CONF.zip". Please see "WAMP-Discov023-2025_DR_SPD_014-0000W01A001CONF.zip" for the requested Priority B tags and associated inspection reports. In addition, PG&E inadvertently included two Electric Corrective (EC) tags which were not associated with inspections. Please remove EC tag 128772006 and 128772008 from SPD records and replace with EC tag 128718176 associated with SAP ID 102170388 Inspection Report and EC tag 128718206 associated with SAP ID 104043740 Inspection Report. PG&E understands this is the reporting tag related to reworked OIR inspections. Please see below for tag response to the request. If an A or X tag are determined not to be emergency tags during the oversight process, the tag is cancelled and a new tag is created with a lesser priority. If a Cancellation determines a tag's initial prioritization should be de-prioritized, logs in the gatekeeper screen will force the gatekeeper to provide reasons for de-prioritization. These reason/responses are sent to the submitter via SAP e-mail generated to finalize the changes made. a Please see the table below for the requested information, which is current as of May 20, 2024. Tag Count Original Priority Level Report Priority A B C D E F G H I J K L M N O P Q R S T U V W X Y Z	Henry Sweet	5/14/2024	6/13/2024	6/13/2024	https://www.pge.com/Assets/Reports/Inspection-Reports/2023-2024-EPSS-Enablement-Data-Table.pdf	1	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
688	CaPA	Set WMP-49	CaPA_Set WMP-49_01	1	CaPA_Set WMP-49_01	How did PG&E come up with 23 random numbers when I decided on the 25 out of 50 flashlight outages to provide inspections to?	PG&E selected the first 23 outages listed in the referenced file "Random Flash-Try August 2023 Outages.txt" to provide to Tylee Hohenbach.	Tylee Hohenbach	6/13/2024	6/27/2024	6/14/2024	https://www.pge.com/Assets/Reports/Inspection-Reports/2023-2024-EPSS-Enablement-Data-Table.pdf	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
Pre-Discovery 80	CaPA	Set WMP-39	CaPA_Set WMP-39_019(a)	19(a)	CaPA_Set WMP-39_019(a)	In response to other request CaPA/Cadovocales-PGE-2023WMP-39 question 6, September 27, 2023, PG&E asked the expert to publish to 2023 Electric Asset Management Plan by the end of 2023. a) Has PG&E completed the 2023 Electric Asset Management Plan? b) If the answer is part (a) is yes, please provide a copy of the 2023 Electric Asset Management Plan. c) If the answer is part (a) is no, please explain the delay. d) If the answer is part (a) is no, please state when PG&E currently expects to publish the 2023 Electric Asset Management Plan.	Please see "WAMP-Discov023-2025_DR_CaPA/Cadovocales_039-019Supp01A0101CONF.pdf" for the completed 2023 Electric Asset Management Plan.	Holly Wehman	3/22/2024	6/21/2024	6/18/2024	https://www.pge.com/Assets/Reports/Inspection-Reports/2023-2024-EPSS-Enablement-Data-Table.pdf	1	NA	NA	N/A	N/A
682	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014_01(a)	1(a)	CPUC - SPD (Safety Policy Division)_014_01(a)	Provide the last 100 created Priority A tags and associated inspection report. Include all photos from tags or inspection reports. a A minimum of 50 tags must be identified during inspections. b 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.	PG&E has prepared the following response after discussing this request with the Safety Policy Division on Monday, June 10, 2024. Please see the table below for attachments, including 50 of each Priority A, X, and B tags and their associated asset inspection reports. We experienced unexpected technical difficulties in downloading the requested images taken during the inspections. We will process images as soon as possible. Attachment Name Description WAMP-Discov023-2025_DR_SPD_014-00018Supp01A001CONF.zip Priority A tags and asset inspection reports WAMP-Discov023-2025_DR_SPD_014-00018Supp01A001CONF.zip Priority X tags and asset inspection reports WAMP-Discov023-2025_DR_SPD_014-00018Supp01A001CONF.zip Priority B tags and asset inspection reports	Henry Sweet	5/14/2024	6/20/2024	6/17/2024	https://www.pge.com/Assets/Reports/Inspection-Reports/2023-2024-EPSS-Enablement-Data-Table.pdf	3	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections
682	CPUC - SPD (Safety Policy Division)	014	CPUC - SPD (Safety Policy Division)_014_01(a)	1(a)	CPUC - SPD (Safety Policy Division)_014_01(a)	Provide the last 100 created Priority A tags and associated inspection report. Include all photos from tags or inspection reports. a A minimum of 50 tags must be identified during inspections. b 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.	Please see "WAMP-Discov023-2025_DR_SPD_014-00018Supp01A001CONF.zip" for the requested images associated with tag and inspection reports provided with SPD_014-00018Supp1. Not applicable for the delay in providing these images. 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: SAP Equipment ID Notification Number Priority 102004842 12881801 A 100107396 12881808 A 100441232 128860979 A 100513731 A 100598982 A 100605479 128713025 A 100775289 128655119 A 100794126 128713748 A 100994052 128774520 A 101098883 128718583	Henry Sweet	5/14/2024	6/21/2024	6/21/2024	https://www.pge.com/Assets/Reports/Inspection-Reports/2023-2024-EPSS-Enablement-Data-Table.pdf	1	NA	8	8.0 Wildlife Mitigations	8.1.3 Asset Inspections

694	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_02	2	CPUC - SPD (Safety Policy Division)_019_02	Provide a breakdown of all of the level 1 asset findings or corrective actions (per GD 95 Priority Levels) that made up the results of table 2. SPD requests a table containing the following columns with each level 1 asset inspection for years 2020 Q1 through present listed on the Y axis. Follow the attached excel formatting: 1. Work Order Number 2. Asset Type (insulation, underground) 3. Line Type (Transmission, Distribution-Primary, Distribution-Secondary) 4. PG&E Tag Priority 5. Longitude 6. Latitude 7. Location (Division) 8. Date created / found 9. Completion date (if applicable) 10. Initial fault (precipitation, wind, color of work, storm work) 11. GD 95 Required Compliance Date 12. Location (HF TD Tier 2, HF TD Tier 3, HF TD Zone 1, HFRA (Non-HF TD), Non HF TD/Non HFRA) 13. Segment ID 14. Circuit ID 15. Wire down Event ID (if Applicable) 16. Change event ID (if Applicable) 17. Facility Damage Action (FDA) 18. Cause / Note 19. Justification for a non-immediate repair, if repair took longer than 1 day to complete, explain reason why	Henry Sweet	8/29/2024	9/12/2024				NA	GDR	NA	NA	NA
695	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_03	3	CPUC - SPD (Safety Policy Division)_019_03	Explain if a same day repair would be designated as 0 or 1 day in table 2.	Henry Sweet	8/29/2024	9/12/2024				NA	GDR	NA	NA	
696	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_04	4	CPUC - SPD (Safety Policy Division)_019_04	Explain to the Q2 2024 QDR how Work Order number 12070603 was an open least 1 work order originating on July 8th 2021. Provide the work order and background information regarding this asset including why this work order required costs as of 6/30/2024.	Henry Sweet	8/29/2024	9/12/2024				NA	GDR	NA	NA	
697	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_05	5	CPUC - SPD (Safety Policy Division)_019_05	Table 13 in the Q2 2024 QDR lists Work Order numbers 128769102 and 129121761 as open as of 6/30/2024. Provide the work order and explain why these work orders represent costs as of 6/30/2024.	Henry Sweet	8/29/2024	9/12/2024				NA	GDR	NA	NA	
698	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_08	6	CPUC - SPD (Safety Policy Division)_019_08	SPD observed discrepancies in table 2 regarding the reporting unit used for the category 3 - Time between level 1 asset inspection finding and resulting maintenance activity. The 2023 QDRs designate this time in days, while the first two quarters of the 2024 QDR list hours as first and second. There is also a note on the 2024 QDR listing the following: "Please note the PG&E is reporting the metrics in hours as the standard of converting these reflections are typically in months". Please confirm if this metric has been reported in days and why the PG&E/CPUC is using the measurement change . Submit the following documents for a pole which (1) has a pole loading calculation and (2) was identified by the cost tool and trend inspection program to work with, with remaining string: - Pole tool and trend inspection report - The procedure used to inspect and pole tool and load - Work order for the pole - The calculation (spreadsheet/ excel) for the remaining strength. The spreadsheet submitted should be able to be modified so that SPD can recalculate parameters depending on different properties. - Papers on testing data which justifies the methodology used to calculate the remaining strength. - The pole loading calculation. A description of actions taken by PG&E after the inspection	Henry Sweet	8/29/2024	9/12/2024				NA	GDR	NA	NA	NA
699	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_07	7	CPUC - SPD (Safety Policy Division)_019_07	In response to SPD_0184213, PG&E stated a completed pole loading development spreadsheet for 130,000 poles in the HF TD area. SPD understands a subset of these poles are undergoing further engineering analysis. Submit the following for each of the 130,000 poles in the HF TD area that was assessed as part of the develop-based assessment (see the attached spreadsheet for the template): - SAP ID - Historical Loading Data (for cylindrical shapes) - Loading Type (Heavy or Light) - Safety Factor Calculated by Develop-based assessment. Table to Determine Further Engineering Assessment Submit one example of a pole develop-based assessment/pole loading calculation for an ungrouped tangent pole and highlight where the criteria submitted in the spreadsheet are met or calculated to be obtained from the spreadsheet. When will the further engineering assessment be completed?	Henry Sweet	8/29/2024	9/12/2024				NA	8	Section 8.1.3 - Asset Inspection	8.1.3.4 Pole Loading Assessments	
700	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_08	8	CPUC - SPD (Safety Policy Division)_019_08	Submit one example of a pole develop-based assessment/pole loading calculation for an ungrouped tangent pole and highlight where the criteria submitted in the spreadsheet are met or calculated to be obtained from the spreadsheet. When will the further engineering assessment be completed?	Henry Sweet	8/29/2024	9/12/2024				NA	8	Section 8.1.3 - Asset Inspection	8.1.3.4 Pole Loading Assessments	
701	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_09	9	CPUC - SPD (Safety Policy Division)_019_09	Submit one example of a pole develop-based assessment/pole loading calculation for an ungrouped tangent pole and highlight where the criteria submitted in the spreadsheet are met or calculated to be obtained from the spreadsheet. When will the further engineering assessment be completed?	Henry Sweet	8/29/2024	9/12/2024				NA	8	Section 8.1.3 - Asset Inspection	8.1.3.4 Pole Loading Assessments	
702	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_010	10	CPUC - SPD (Safety Policy Division)_019_010	Submit one example of a pole develop-based assessment/pole loading calculation for an ungrouped tangent pole and highlight where the criteria submitted in the spreadsheet are met or calculated to be obtained from the spreadsheet. When will the further engineering assessment be completed?	Henry Sweet	8/29/2024	9/12/2024				NA	8	Section 8.1.3 - Asset Inspection	8.1.3.4 Pole Loading Assessments	
703	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_011	11	CPUC - SPD (Safety Policy Division)_019_011	For inspection for PG&E's distribution overhead inspection programs, (1) how are future weather conditions profiled for inspection, (2) when wind and how much an inspection consider weather conditions when planning a work order as Priority A, B, C, E, or F (such as an emergency, warning or defensible asset and, also note requirements of the asset inspection) Describe Pole Top Inspection progress thus far in 2024 (provide the date at which the data is current through the reporting). Include the following: - Number of total lines prescribed to be worked - Number of total lines worked thus far - Number of total lines prescribed for removal - Number of total lines removed thus far - Number of miles inspected - Number of miles inspected - Number of miles per mile of lines inspected before removals - Number of miles per mile of lines inspected before removals - Number of lines inspected - Confirm the number of miles inspected, number of miles inspected and number of lines removed in the SPD program in 2023. The Q2 2023 QDR seems to state \$0 dollars were spent please explain (see row 49 and Table 11). Provide an update comparing costs estimated as part of the Revision Notice compared to forecasted costs for the rest of the year and the costs actually incurred. Explain any variance.	Henry Sweet	8/29/2024	9/12/2024				NA	8	Section 8.1.3 - Asset Inspection	8.1.3 Asset Inspections	
704	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019_012	12	CPUC - SPD (Safety Policy Division)_019_012	Describe Pole Top Inspection progress thus far in 2024 (provide the date at which the data is current through the reporting). Include the following: - Number of total lines prescribed to be worked - Number of total lines worked thus far - Number of total lines prescribed for removal - Number of total lines removed thus far - Number of miles inspected - Number of miles inspected - Number of miles per mile of lines inspected before removals - Number of miles per mile of lines inspected before removals - Number of lines inspected - Confirm the number of miles inspected, number of miles inspected and number of lines removed in the SPD program in 2023. The Q2 2023 QDR seems to state \$0 dollars were spent please explain (see row 49 and Table 11). Provide an update comparing costs estimated as part of the Revision Notice compared to forecasted costs for the rest of the year and the costs actually incurred. Explain any variance.	Henry Sweet	8/29/2024	9/12/2024				NA	8.2.2.5	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	Provide ignition reports (also known as PIRs) for CPUC reportable ignitions that occurred on RD+ days in 2024	Henry Sweet	8/29/2024	9/12/2024				NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-08 - 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	Provide ignition reports (also known as PIRs) for CPUC reportable ignitions that occurred on days when EPSS was installed in 2024. Reports already provided in response to Question 13 need not be resubmitted in response to Question 14.	Henry Sweet	8/29/2024	9/12/2024				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 6/20/2024 at 10am-10am between PG&E and CPUC/SPD with the report as follows: - Provide and discuss additional examples in the WMP Cost Reporting Template with goal of promoting all requests relative to end of September (when Final Decision on WMP is expected). PG&E includes the following attachment of the WMP Cost Reporting Template in draft version that we reviewed with SPD on August 26: Attachment "WMP-Discovery2023-2026_DR_SPD_Q20-Q201-Asset1.xlsx" This file contains the sample information discussed with SPD on August 8: System Hardware Distribution and 10k Underground) and the relative discussion on August 26: (DR - Distribution Backlog, and Eliminate HF TD HFRA Distribution Backlog). The information provided is a sample of the level of detail PG&E provides in response to the template provided by SPD. We have referenced prior filings to populate the sample draft version however, some questions remain as indicated in the template: "WMP-Discovery2023-2026_DR_SPD_Q20-Q201-Asset1.xlsx" is the original template used by SPD and does not reflect any template changes discussed on August 26.	Edwin Schmitt	8/27/2024	9/4/2024	9/4/2024			1	NA	4.3	4.3 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	Complete table 2 through 6 of the attached spreadsheet. For table 2 through 5, complete a corresponding data row for each of the 174 mitigation activities in the most recent QDR. Table 6 is according to the directions on the spreadsheet and the two attached guidance documents listed below. Guidance for WMP Cost Reporting (applicable to table 2 through 5) Guidance for Annual Funding (applicable to table 6)	Kevin Miller	9/10/2024					NA	4.3	4.3 Overview of WMP	4.3 Proposed Expenditures	