







38	CAFA	Sat WMP-09	CaFA_Sat WMP-09_07	7	<p>CaFA_Sat WMP-09_07</p> <p>P: 73 of PG&amp;E's WMP states, "We created a species-specific stress index model for PG&amp;E tree health and mortality."</p> <p>a) What is PG&amp;E's species-specific stress index model for tree health and mortality?</p> <p>b) How does PG&amp;E utilize its species-specific stress index model to track tree health and mortality?</p> <p>c) Please describe the data inputs to this model.</p> <p>d) Please describe the outputs of this model.</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	0	NA	4.4	Overview of WMP	Risk-Infused Framework
39	CAFA	Sat WMP-09	CaFA_Sat WMP-09_08	8	<p>CaFA_Sat WMP-09_08</p> <p>P: 120 of PG&amp;E's WMP states, "When conducting VM activities, PG&amp;E employees and contractors must adhere to PG&amp;E's Best Management Practices (BMP) where practicable. BMPs are considered practicable when physically possible and not conflicting with other regulatory obligations or safety considerations (GO 15 Risk 35 and Public Resources Codes 4202 and 4203) in emergency situations."</p> <p>a) How does PG&amp;E audit or review VM contractors to ensure they are adhering to BMPs where practicable?</p> <p>b) When does PG&amp;E use a VM contractor that does not consistently adhere to BMPs where practicable?</p> <p>c) Please list all instances in 2022 in which PG&amp;E took action to reprimand or sanction a VM contractor for failing to adhere to BMPs where practicable.</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/12/2023</p> <p>4/12/2023</p>	1	NA	5.4.5	Overview of the Service Territory	Environmental Compliance and Permitting
40	CAFA	Sat WMP-09	CaFA_Sat WMP-09_09REV	9	<p>CaFA_Sat WMP-09_09REV</p> <p>P: 130 of PG&amp;E's WMP states, "When conducting VM activities, PG&amp;E employees and contractors must adhere to PG&amp;E's Best Management Practices (BMP) where practicable. BMPs are considered practicable when physically possible and not conflicting with other regulatory obligations or safety considerations (GO 15 Risk 35 and Public Resources Codes 4202 and 4203) in emergency situations."</p> <p>a) How does PG&amp;E audit or review VM contractors to ensure they are adhering to BMPs where practicable?</p> <p>b) When does PG&amp;E use a VM contractor that does not consistently adhere to BMPs where practicable?</p> <p>c) Please list all instances in 2022 in which PG&amp;E took action to reprimand or sanction a VM contractor for failing to adhere to BMPs where practicable.</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/12/2023</p> <p>4/13/2023</p>	1	NA	5.4.5	Overview of the Service Territory	Environmental Compliance and Permitting
41	CAFA	Sat WMP-09	CaFA_Sat WMP-09_09	9	<p>CaFA_Sat WMP-09_09</p> <p>P: 524 of PG&amp;E's WMP states, "The primary target for secondary paths is HF1D and HF1A fire excursions and additional areas are included in appropriate address registration associated risks."</p> <p>a) How does PG&amp;E audit or review VM contractors to ensure they are adhering to BMPs where practicable?</p> <p>b) When does PG&amp;E use a VM contractor that does not consistently adhere to BMPs where practicable?</p> <p>c) Please list all instances in 2022 in which PG&amp;E took action to reprimand or sanction a VM contractor for failing to adhere to BMPs where practicable.</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	0	NA	8.2.2.2	Vegetation Management and Inspection	Distribution Second Patrol
42	CAFA	Sat WMP-09	CaFA_Sat WMP-09_010	10	<p>CaFA_Sat WMP-09_010</p> <p>P: 542 of PG&amp;E's WMP states, "In July 2021, PG&amp;E launched a multi-year program to upgrade 10,000 distribution circuit miles to high voltage lines."</p> <p>a) How does PG&amp;E audit or review VM contractors to ensure they are adhering to BMPs where practicable?</p> <p>b) When does PG&amp;E use a VM contractor that does not consistently adhere to BMPs where practicable?</p> <p>c) Please list all instances in 2022 in which PG&amp;E took action to reprimand or sanction a VM contractor for failing to adhere to BMPs where practicable.</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	2	NA	8.1.2.2	Grid Design and System Planning	Underpinning of Electric Lines and/or Equipment - Distribution
43	CAFA	Sat WMP-09	CaFA_Sat WMP-09_011	11	<p>CaFA_Sat WMP-09_011</p> <p>P: 560 of PG&amp;E's WMP states, "On average, 1 to 1.5 inches of rain is required to replace 1 OH mile. However, at times the replacement rate may be as low as 0.5 inches."</p> <p>a) How does PG&amp;E audit or review VM contractors to ensure they are adhering to BMPs where practicable?</p> <p>b) When does PG&amp;E use a VM contractor that does not consistently adhere to BMPs where practicable?</p> <p>c) Please list all instances in 2022 in which PG&amp;E took action to reprimand or sanction a VM contractor for failing to adhere to BMPs where practicable.</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	0	NA	Appendix D	Assess for Continued Improvement	ACI PG&E-23-34 - Review Process of Planning Wildfire Mitigation
44	CAFA	Sat WMP-09	CaFA_Sat WMP-09_012	12	<p>CaFA_Sat WMP-09_012</p> <p>a) What is PG&amp;E's current forecast cost per mile for underground projects completed in the second half of 2022?</p> <p>b) Please provide workpapers to support your answer to part (a).</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	0	NA	8.1.2.2	Grid Design and System Planning	Underpinning of Electric Lines and/or Equipment - Distribution
45	CAFA	Sat WMP-09	CaFA_Sat WMP-09_013	13	<p>CaFA_Sat WMP-09_013</p> <p>a) What is PG&amp;E's forecast RSE for underground completed in the second half of 2022?</p> <p>b) Please provide workpapers to support your answer to part (a).</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	1	NA	8.1.2.2	Grid Design and System Planning	Underpinning of Electric Lines and/or Equipment - Distribution
46	CAFA	Sat WMP-09	CaFA_Sat WMP-09_014	14	<p>CaFA_Sat WMP-09_014</p> <p>a) What is PG&amp;E's current forecast cost per mile for covered conductor projects completed in the second half of 2022?</p> <p>b) Please provide workpapers to support your answer to part (a).</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	1	NA	8.1.2.5	Grid Design and System Planning	Traditional Overhead Hauling - Transmission Conductor and Distribution
47	CAFA	Sat WMP-09	CaFA_Sat WMP-09_015	15	<p>CaFA_Sat WMP-09_015</p> <p>a) What is PG&amp;E's forecast RSE for covered conductor system haulers completed in the second half of 2022?</p> <p>b) Please provide workpapers to support your answer to part (a).</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/7/2023</p> <p>4/7/2023</p>	0	NA	8.1.2.5	Grid Design and System Planning	Traditional Overhead Hauling - Transmission Conductor and Distribution
48	CAFA	Sat WMP-10	CaFA_Sat WMP-10_01	1	<p>CaFA_Sat WMP-10_01</p> <p>Table 8-3 on p. 332 of PG&amp;E's WMP states that PG&amp;E will make capable for Down Conductor Detection (DCD) 1,800 devices in 2023.</p> <p>a) How does PG&amp;E audit or review VM contractors to ensure they are adhering to BMPs where practicable?</p> <p>b) When does PG&amp;E use a VM contractor that does not consistently adhere to BMPs where practicable?</p> <p>c) Please list all instances in 2022 in which PG&amp;E took action to reprimand or sanction a VM contractor for failing to adhere to BMPs where practicable.</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/10/2023</p> <p>4/10/2023</p>	0	NA	8.1.1.2	Grid Design, Operations, and Maintenance	Targets
49	CAFA	Sat WMP-10	CaFA_Sat WMP-10_02	2	<p>CaFA_Sat WMP-10_02</p> <p>Table 8-5 on p. 336 of PG&amp;E's WMP shows a forecast reduction in the number of EPSS events over one to two years starting from 2023-2025.</p> <p>a) What factors does PG&amp;E expect to contribute to the reduction in the number of EPSS events discussed above?</p> <p>b) How does PG&amp;E forecast reliability in the number of EPSS events based on the 2023-2025 period?</p> <p>c) Please provide any available studies, analyses, reports, or workpapers pertinent to your answer to part (a).</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/10/2023</p> <p>4/10/2023</p>	0	NA	8.1.1.3	Grid Design, Operations, and Maintenance	Performance Metrics Identified by the Electrical Corporation
50	CAFA	Sat WMP-10	CaFA_Sat WMP-10_03	3	<p>CaFA_Sat WMP-10_03</p> <p>a) Does PG&amp;E forecast a change in the average duration of EPSS events during the 2023-2025 period?</p> <p>b) If the answer to part (a) is yes, provide the expected average duration of EPSS events for 2023, 2024, and 2025.</p> <p>c) If the answer to part (a) is no, explain why not.</p> <p>d) Please provide any available studies, analyses, reports, or workpapers that support PG&amp;E's forecast regarding the duration of EPSS events in 2023-2025.</p>	<p>Holly Whitman</p> <p>4/4/2023</p> <p>4/10/2023</p> <p>4/10/2023</p>	0	NA	8.1.1.3	Grid Design, Operations, and Maintenance	Performance Metrics Identified by the Electrical Corporation



























203	CaPA	Sat WMP-16	CaPA_Set WMP-16	8	CaPA_Set WMP-16_G8	<p>a) The average, median, minimum and maximum age of poles (in years) (reference 2020, 2021, and 2022 are as follows: 2020 2021 2022 Average 42 45 48 Median 47 47 48 Maximum 4 7 Maximum 95 97 98 99 1) PG&amp;E's form of pole repair discussed in Section 8.1.2.3 of the WMP is to reinforce the pole with a steel truss. As such, the age of poles provided below is specific to poles reinforced 2020, 2021, and 2022 are as follows: 2020 2021 2022 Average 51 55 55 Median 51</p> <p>8.1.2.3 - Distribution Pole Replacements and Reinforcements Page 32 of PG&amp;E's WMP states: "The replacement and treatment reduce outage likelihood which increases the chances of the area being impacted in future PSPS events. These programs also support public and employee safety because they improve the overall health of the distribution system." Please provide the average, median, minimum and maximum age of poles that PG&amp;E: a) Replaced in 2020 b) Replaced in 2021 c) Replaced in 2022 d) Replaced in 2022</p>	Holly Whitman	4/18/2023	5/8/2023	5/8/2023	0	NA	8.1.2.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
204	CaPA	Sat WMP-16	CaPA_Set WMP-16	9	CaPA_Set WMP-16_G9	<p>8.1.2.10 - Other Grid Technology Improvements to Minimize Risk of Ignition Pg 374-375 of PG&amp;E's WMP states: "Installation of DCC or existing, new, and retrofitted recloser controls is intended to reduce the number of ignitions due to high impedance fault by quickly detecting and clearing the fault, which is the primary existing gap in EPSS protection on primary overhead distribution conductor. Approximately half of the CP&amp;C-replaceable systems in WFD that occurred in 2022 where EPSS was enabled were the result of high impedance faults." a) Explain how DCC technology or other grid technology that you propose to use will improve high impedance fault protection. b) List the advantages of having both programs enabled simultaneously. c) What percentage of high-impedance faults does PG&amp;E anticipate could be mitigated by EPSS alone? d) What percentage of high-impedance faults does PG&amp;E anticipate could be mitigated by DCC alone? e) What percentage of high-impedance faults does PG&amp;E anticipate could be mitigated by the combination of EPSS and DCC?</p>	Holly Whitman	4/18/2023	4/21/2023	4/21/2023	0	NA	8.1.10	Grid Design and System Hardening	Other Grid Technology Improvements to Minimize Risk of Ignition
205	CaPA	Sat WMP-16	CaPA_Set WMP-16	10	CaPA_Set WMP-16_G10	<p>Please provide an Excel sheet listing each circuit (in its own row) that had circuit outages that occurred from 2020 to 2022 in any WFD area. A circuit outage is when the Substation that circuit breaks trip and the circuit is out of service for a time. For each circuit with an outage, the Excel sheet should list each Circuit Outage as a row. Please provide the following additional information (in columns): a) ID number of the circuit affected b) The date of the outage c) Cause of outage d) For all equipment failure outages, please state the specific type of failure (i.e., OH transformer failure, overhead cross arm, LG transformer failure, cable failure, splice failure, etc.) e) On the outage duration in minutes f) The total number of customers impacted g) If all or part of the circuit is currently underground, provide the date that OH to LG conversion was completed h) If all or part of the circuit is in scope of a planned underground project, the forecast completion date of the OH to LG conversion project</p>	Holly Whitman	4/18/2023	4/21/2023	4/21/2023	1	NA	QOR	NA	NA
206	CaPA	Sat WMP-16	CaPA_Set WMP-16	11	CaPA_Set WMP-16_G11	<p>Provide the average peak load to circuit ampacity in percent from 2018 to 2020 for the circuits with OH to LG conversion completed in 2020 b) Provide the average peak load to circuit ampacity in percent from 2018 to 2020 for the circuits with OH to LG conversion completed in 2021 c) Provide the average peak load to circuit ampacity in percent from 2020 to 2022 for the circuits that will be undergrounded in 2024 d) Provide the average peak load to circuit ampacity in percent from 2020 to 2022 for all adjacent circuits to the circuits that have OH to LG conversion projects in 2023 e) Provide the average peak load to circuit ampacity in percent from 2020 to 2022 for all adjacent circuits to the circuits that have OH to LG conversion projects in 2024</p> <p>NSM-DC</p> <p>With respect to PG&amp;E's response to CaPA_Set WMP-11_G14 PG&amp;E states that one of the significant changes to the grid required for RECL is "the replacement of old, direct bury underground cable" with RECL. Please explain the inoperability of old, direct bury underground cable, with RECL. With respect to PG&amp;E's response to CaPA_Set WMP-11_G14 PG&amp;E states that one of the significant changes to the grid required for RECL is "the replacement of old, direct bury underground cable" with RECL. Does PG&amp;E have any recently undergrounded segments that are also "direct bury" or would these be incompatible with RECL? With respect to PG&amp;E's response to CaPA_Set WMP-11_G14 PG&amp;E states that one of the significant changes to the grid required for RECL is "the replacement of old, direct bury underground cable" with RECL. Does PG&amp;E have any undergrounding plans include "direct bury" and if so would that make these segments incompatible with RECL?</p>	Holly Whitman	4/18/2023	4/26/2023	4/26/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
207	MGRA	Data Request No. 2	MGRA_Data Request No. 2	1	MGRA_Data Request No. 2_G1	<p>During the demonstration project, we reviewed primary distribution equipment installation packages. During RECL operation, line-to-ground voltage increases by 1.7 times, which is not compatible with RECL. a) Provide the inoperability of old, direct bury underground cable, with RECL. b) Provide the inoperability of old, direct bury underground cable, with RECL.</p>	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	0	NA	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
208	MGRA	Data Request No. 2	MGRA_Data Request No. 2	2	MGRA_Data Request No. 2_G2	<p>During the demonstration project, we reviewed primary distribution equipment installation packages. During RECL operation, line-to-ground voltage increases by 1.7 times, which is not compatible with RECL. a) Provide the inoperability of old, direct bury underground cable, with RECL. b) Provide the inoperability of old, direct bury underground cable, with RECL.</p>	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	0	NA	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
209	MGRA	Data Request No. 2	MGRA_Data Request No. 2	3	MGRA_Data Request No. 2_G3	<p>During the demonstration project, we reviewed primary distribution equipment installation packages. During RECL operation, line-to-ground voltage increases by 1.7 times, which is not compatible with RECL. a) Provide the inoperability of old, direct bury underground cable, with RECL. b) Provide the inoperability of old, direct bury underground cable, with RECL.</p>	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	0	NA	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
210	MGRA	Data Request No. 2	MGRA_Data Request No. 2	4	MGRA_Data Request No. 2_G4	<p>Please see "WMP-Discovery2023_DR_OES_001-Q007A8ACDF" file. Please see "WMP-Discovery2023_DR_OES_001-Q007A8ACDF_Rejected.pdf".</p>	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	1	NA	Appendix B	Supporting Documentation for Risk Methodology and Assessment Definitions	Detailed Model Documentation
211	MGRA	Data Request No. 2	MGRA_Data Request No. 2	5	MGRA_Data Request No. 2_G5	<p>Please see "WMP-Discovery2023_DR_OES_001-Q007A8ACDF" file. Please see "WMP-Discovery2023_DR_OES_001-Q007A8ACDF_Rejected.pdf".</p>	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	1	NA	Appendix B	Supporting Documentation for Risk Methodology and Assessment Definitions	Detailed Model Documentation
212	MGRA	Data Request No. 2	MGRA_Data Request No. 2	6	MGRA_Data Request No. 2_G6	<p>Please see "WMP-Discovery2023_DR_OES_001-Q007A8ACDF" file. Please see "WMP-Discovery2023_DR_OES_001-Q007A8ACDF_Rejected.pdf".</p>	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	1	NA	Appendix B	Supporting Documentation for Risk Methodology and Assessment Definitions	Detailed Model Documentation
213	MGRA	Data Request No. 2	MGRA_Data Request No. 2	7	MGRA_Data Request No. 2_G7	<p>The method of providing geospatial file with the location of 2022 outages on EPSS installed circuits would require the disclosure of device location and therefore the personal information of individual employees. In response to this data request we have identified the identification of Critical Energy Infrastructure Information (CEI), which we are required by law to maintain as confidential and cannot produce without the requesting party agreeing to protect the information through a non-disclosure agreement.</p>	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
214	MGRA	Data Request No. 2	MGRA_Data Request No. 2	8	MGRA_Data Request No. 2_G8	<p>Please see "WMP-Discovery2023_DR_MGRA_002-Q008A901" sheet. CP&amp;C General Order 168 Standard 1A, Internal Coordination, requires California electric utilities to provide as part of their emergency plans a description of internal coordination functions they follow, process, and disseminate information with their service areas and utilities, electric resources, and coordinate advice to resolve service. GO 168 Standard 1D, External and Government Coordination, requires California electric utilities to address as part of their emergency planning coordination with Electric Customers and other local government agencies. a) The additional items referenced above that are not required by GO 168 is the below: i. We have drafted a Threat Hazard Identification Risk Assessment (THIRA) and are sharing the results with external agency partners. ii. We participate in quarterly MARAC meetings. iii. We hold quarterly Operational Area calls with PG&amp;E Public Safety Specialists. iv. We conduct more than the minimum one single exercise and include public partners in integrated exercise plan. This includes inviting them to be part of the planning exercises. Internal or External Coordination Additionally, although not required as part of GO 168, Standard 1A compliance, key element of PG&amp;E's internal and external coordination strategy is the alignment of PG&amp;E's functional areas to the frameworks provided by the California Statewide Emergency Management System (SEMS) and SEMS component Incident Command System (ICS). The adoption of these frameworks aligns PG&amp;E with public partners to ensure a coordinated response that supports safe restoration of service and whole community recovery. Specifically, PG&amp;E has adopted the following SEMS/ICS consistent components: i. Whole community emergency response through PG&amp;E's presence in County Emergency Operations Centers and the State Operations Center, and actions of PG&amp;E's Liaison Team and its sub-teams. ii. Use of the same framework as the SEMS Operational Area concept in the context of emergency organizational structure and teams, with emergency brigades of the SEMS Operational Area coordination framework details can be found in CP&amp;C attachment 3, Local Government, Operational Areas. Whole community emergency response through PG&amp;E's participation in the SEMS/ICS framework, and its coordination and communication with external partners and Emergency Response PG&amp;E Coordinated Training General Order 168, Standard 3C, requires California utilities to annually train designated personnel in preparation for emergencies and major outages. Per Standard 3C, the training shall be designed to ensure critical personnel are identified and trained in the restoration of normal service and shall include regular changes to the plan. Although not required as part of GO Standard 3C compliance, PG&amp;E has continued to train its EOC staff using a SEMS/ICS Baseline, Expanded, Advanced and Position Specific approach to training. i. ICS Baseline ii. ICS Baseline Foundational SEMS and NIMS courses required of all EOC personnel and pre-requisites as any advanced training iii. ICS 101 (EOCS) Refresher iv. ICS 200 (EOC Action Plan) v. ICS 775 (EOC Management and Operations) vi. ICS 306 (Including People with Disabilities &amp; Others with Access &amp; Functional Needs in Disaster Operations) vii. Additional ICS/EOC and CEI/...</p>	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	1	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
215	OES	003	OES_003	1	OES_003_G1	<p>On page 624, PG&amp;E states it is currently working with internal and external stakeholders, including CA068, to identify and operationalize the exact compliance requirements to EPC General Order (GO) 168, Standard for Operation, Reliability, and Safety During Emergencies and Outages. a. List and describe the referenced activities. b. Explain how each activity exceeds GO 168.</p>	Colin Lang	4/21/2023	4/26/2023	4/26/2023	0	NA	8.4.1.1	Emergency Preparedness	Objectives













275	CaPA	Sat WMP-20	CaPA_Sat WMP-20	1	CaPA_Sat WMP-20_01	<p>a) Describe PG&amp;E's standard process for retiring an asset from service.</p> <p>b) Describe how PG&amp;E records the retirement of an asset from service.</p>	Holly Whitman	4/26/2023	5/0/2023	5/30/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	1	NA	8.1.5	Asset Management and Inspection (Enterprise System)	NA
276	CaPA	Sat WMP-20	CaPA_Sat WMP-20	2	CaPA_Sat WMP-20_02	<p>a) In 2022, as part of a WMP system hardening activities, does PG&amp;E retire from service (i.e., replace, remove, destroy, or decommission) any assets that had not been fully depreciated at the time of retirement?</p> <p>b) Please describe how PG&amp;E records the retirement of assets during 2022 system hardening activities.</p>	Holly Whitman	4/26/2023	5/0/2023	5/30/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	0	NA	8.1.2	Grid Design and System Hardening	All
277	CaPA	Sat WMP-20	CaPA_Sat WMP-20	3	CaPA_Sat WMP-20_03	<p>a) In 2023, as part of a WMP system hardening activities, does PG&amp;E intend to retire from service (i.e., replace, remove, destroy, or decommission) any assets that had not been fully depreciated at the time of retirement?</p> <p>b) Please describe how PG&amp;E will record the retirement of assets during 2023 system hardening activities.</p>	Holly Whitman	4/26/2023	5/0/2023	5/30/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	0	NA	8.1.2	Grid Design and System Hardening	All
278	CaPA	Sat WMP-20	CaPA_Sat WMP-20	4	CaPA_Sat WMP-20_04	<p>What is PG&amp;E's standard practice for tracking assets that are retired from service before they are fully depreciated?</p>	Holly Whitman	4/26/2023	5/0/2023	5/30/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	0	NA	8.1.5	Asset Management and Inspection (Enterprise System)	NA
279	CaPA	Sat WMP-20	CaPA_Sat WMP-20	5	CaPA_Sat WMP-20_05	<p>a) If PG&amp;E retires from service an asset that has not been fully depreciated, does it remove the remaining undepreciated value of the asset from its rate base?</p> <p>b) How does PG&amp;E determine the remaining undepreciated value of an asset if the asset is not fully depreciated?</p> <p>c) Please describe any scenario in which PG&amp;E would retire from service an asset that has not been fully depreciated, but would keep the remaining undepreciated value of the asset in its rate base.</p>	Holly Whitman	4/26/2023	5/0/2023	5/30/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	0	NA	8.1.5	Asset Management and Inspection (Enterprise System)	NA
280	CaPA	Sat WMP-20	CaPA_Sat WMP-20	6	CaPA_Sat WMP-20_06	<p>a) As of the date of this data request, does PG&amp;E's rate base currently include any portion of the value of any assets that are in progress to retire?</p> <p>b) If the answer to part (a) is no, please explain why.</p> <p>c) If the answer to part (a) is yes, for the scenario in place that ensures PG&amp;E's rate base does not currently include any portion of the value of assets that are in progress to retire.</p>	Holly Whitman	4/26/2023	5/0/2023	5/30/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	0	NA	8.1.5	Asset Management and Inspection (Enterprise System)	NA
281	CaPA	Sat WMP-20	CaPA_Sat WMP-20	7	CaPA_Sat WMP-20_07	<p>In its responses to data request California-PGE-2023WMP-14 questions 20-22, PG&amp;E stated, "We cannot provide the requested data. Our asset registry and work execution systems are not set up to enable the cross-referenced data consolidation and we do not track the volume of assets replaced that have not been fully depreciated."</p> <p>a) Please explain what is meant by the statement, "Our asset registry and work execution systems are not set up to enable the cross-referenced data consolidation."</p> <p>b) Please explain what is meant by the statement, "we do not track the volume of assets replaced that have not been fully depreciated."</p> <p>c) Is PG&amp;E able to determine the number of assets that have not been fully depreciated that it retired from service in 2022-2022 WMP activities?</p> <p>d) Is PG&amp;E able to determine the total remaining undepreciated value of assets that are retired from service as part of its 2022-2022 WMP activities?</p>	Holly Whitman	4/26/2023	5/0/2023	5/30/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	0	NA	8.1	Grid Design, Operations and Maintenance	Distribution Pole and Replacement Traditional Overhead Feeder Systems
282	TURN	009	TURN_009	1	TURN_009_01	<p>1. Regarding the 2023-2024 Underpinning Workplan referenced on page 910 of the WMP (B) and provided in Excel format in response to TURN Data Request 2.4:</p> <p>a. For each underpinning project listed in this document, please provide the RSE calculated in accordance with the CRUC's SAAMP Settlement (see pp. 202 et seq. of PG&amp;E WMP-B) (not SWRE or WFE) that PG&amp;E calculated for the underpinning project. Please provide all inputs and calculations for these RSE values, in the Excel format.</p> <p>b. For each underpinning project listed in this document, please provide the RSE calculated in accordance with the CRUC's SAAMP Settlement (see pp. 202 et seq. of PG&amp;E WMP-B) that PG&amp;E calculated for any alternative mitigation for the project location, including but not limited to cover construction. Please provide all inputs and calculations for these RSE values, in the Excel format.</p>	Tom Long	4/26/2023	5/1/2023	5/1/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	0	NA	Appendix D	Areas for Continued Improvement	ADJ PG&E-2016 - Progress and Updates on Underpinning and Risk Prioritization
283	MGRA	Data Request No. 3	MGRA_Data Request No. 3	1	MGRA_Data Request No. 3_01	<p>Please provide for Asset Point data for Camera, Fault Support Structure, and Weather Station.</p>	Joseph Mitchell	4/27/2023	5/2/2023	4/27/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
284	MGRA	Data Request No. 3	MGRA_Data Request No. 3	2	MGRA_Data Request No. 3_02	<p>Provide Asset Line data for Transmission Line (as permitted on non-coordinated), Primary Distribution Line, and Secondary Distribution Line.</p>	Joseph Mitchell	4/27/2023	5/2/2023	4/27/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
285	MGRA	Data Request No. 3	MGRA_Data Request No. 3	3	MGRA_Data Request No. 3_03	<p>Provide PSEPs Event data, Include Event Log, Event Line, Event Polygon data. Please exclude customer meter data. Provide all PSEPs Event Asset Damage data including photos.</p>	Joseph Mitchell	4/27/2023	5/2/2023	4/27/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
286	MGRA	Data Request No. 3	MGRA_Data Request No. 3	4	MGRA_Data Request No. 3_04	<p>Provide Risk Event Point data, including Wire Down, System, Transmission unplanned outage (see classified non-confidential), Distribution Unplanned Outage, Distribution Vegetation Caused Unplanned Outage, Risk Event Asset Log.</p>	Joseph Mitchell	4/27/2023	5/2/2023	4/27/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
287	MGRA	Data Request No. 3	MGRA_Data Request No. 3	5	MGRA_Data Request No. 3_05	<p>Under Inflation, please provide Grid Hardening data, including Hardening Log, Hardening Point, and Hardening Line data. Inspection data is not requested at this time.</p>	Joseph Mitchell	4/27/2023	5/2/2023	4/27/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
288	MGRA	Data Request No. 3	MGRA_Data Request No. 3	6	MGRA_Data Request No. 3_06	<p>Under Inflation, please provide Other Inflation data for point, line, polygon features and the Other Inflation Log.</p>	Joseph Mitchell	4/27/2023	5/2/2023	4/27/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
289	MGRA	Data Request No. 3	MGRA_Data Request No. 3	7	MGRA_Data Request No. 3_07	<p>Under Other Required Data, please provide Red Flag Warning Day polygon data.</p>	Joseph Mitchell	4/27/2023	5/2/2023	4/27/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
290	CaPA	Sat WMP-21	CaPA_Sat WMP-21	1	CaPA_Sat WMP-21_01	<p>Per Table 8.12, Vegetation Management Implementation Objectives, PG&amp;E's Focused Tree Inspection (FTI) Program is currently under development. By the end of 2024, PG&amp;E plans to fully implement AOC cross-functional team to implement guidelines across AOC's 4:</p> <p>PG&amp;E plans to implement 11 data request California-PGE-WMP-13 that its FTI plan of 200 overhead lines is intended to yield the savings needed to support and inform future work plans.</p> <p>Please provide an anticipated schedule for PG&amp;E's rollout of the Focused Tree Inspection Program in the table below (letting us see needed), include, at a minimum, when and how PG&amp;E will execute the plan, analyze data collected from these pilots, and provide what data it will request Focused Tree Inspection Program.</p> <p>Step 1: Implementing the Focused Tree Inspections Program</p> <p>Step 2: Implementing the Focused Tree Inspections Program</p> <p>Step 3: Implementing the Focused Tree Inspections Program</p> <p>Completion Date</p>	Holly Whitman	4/27/2023	5/2/2023	5/30/2023	<a href="https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html">https://www.pge.com/web/global/external/na/us/en/energy/operations/retirement/retirement.html</a>	0	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections









333	OESB	004	OESB_004	7	OESB_004_07	<p>Regulating Vegetation-Caused Outages</p> <p>Provide the following table of vegetation-caused outages by mode of failure in the HFTD between 2015 and 2022 broken out by year. PG&amp;E may add additional rows (i.e., mode of failure) if needed.</p> <p>VEGETATION CAUSES OUTAGE MODE OF FAILURE</p> <p>2015 2016 2017 2018 2019 2020 2021 2022</p> <p>Branch (total &lt; 10k) Branch (within total &lt; 4.20k) Branch (within total &lt; 1.50k) Branch (total, distance Unbraced) Branch (within 4k) Dead Tree Tree Fall (unbraced-owners default) Tree Fall (upright default) Tree Fall (down) Tree Over 18k Other (Unbraced) TOTAL</p> <p>Regulating Vegetation Hazards Mitigated by PSPS</p> <p>Does PG&amp;E have data on vegetation hazards mitigated by PSPS? If so, provide the following table of vegetation hazards mitigated by mode of failure in HFTD between 2015 and 2022, broken out by year. PG&amp;E may add additional rows (i.e., mode of failure) if needed.</p> <p>MODE OF FAILURE FOR VEGETATION HAZARDS MITIGATED BY PSPS</p> <p>2015 2016 2017 2018 2019 2020 2021 2022</p> <p>Branch (total &lt; 10k) Branch (within total &lt; 4.20k) Branch (within total &lt; 1.50k) Branch (total, distance Unbraced) Branch (within 4k) Dead Tree Tree Fall (unbraced-owners default) Tree Fall (upright default) Tree Fall (down) Tree Over 18k Other (Unbraced) TOTAL</p>	Colin Lang	5/4/2023	5/8/2023	5/8/2023	<p><a href="https://www.pge.com/eog_global/CommonPDFs/RegulatingVegetationHazardsMitigatedByPSPS.pdf">https://www.pge.com/eog_global/CommonPDFs/RegulatingVegetationHazardsMitigatedByPSPS.pdf</a></p> <p><a href="https://www.pge.com/eog_global/CommonPDFs/RegulatingVegetationHazardsMitigatedByPSPS.pdf">https://www.pge.com/eog_global/CommonPDFs/RegulatingVegetationHazardsMitigatedByPSPS.pdf</a></p>	1	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-22-28 – Progression of Effectiveness of Outage Clearance Joint Study	
334	OESB	004	OESB_004	8	OESB_004_08	<p>Regulating Vegetation Hazards Mitigated by PSPS</p> <p>Does PG&amp;E have data on vegetation hazards mitigated by PSPS? If so, provide the following table of vegetation hazards mitigated by mode of failure in HFTD between 2015 and 2022, broken out by year. PG&amp;E may add additional rows (i.e., mode of failure) if needed.</p> <p>MODE OF FAILURE FOR VEGETATION HAZARDS MITIGATED BY PSPS</p> <p>2015 2016 2017 2018 2019 2020 2021 2022</p> <p>Branch (total &lt; 10k) Branch (within total &lt; 4.20k) Branch (within total &lt; 1.50k) Branch (total, distance Unbraced) Branch (within 4k) Dead Tree Tree Fall (unbraced-owners default) Tree Fall (upright default) Tree Fall (down) Tree Over 18k Other (Unbraced) TOTAL</p> <p>Regulating Vegetation Hazards Mitigated by PSPS</p> <p>Does PG&amp;E have data on vegetation hazards mitigated by PSPS? If so, provide the following table of vegetation hazards mitigated by mode of failure in HFTD between 2015 and 2022, broken out by year. PG&amp;E may add additional rows (i.e., mode of failure) if needed.</p> <p>MODE OF FAILURE FOR VEGETATION HAZARDS MITIGATED BY PSPS</p> <p>2015 2016 2017 2018 2019 2020 2021 2022</p> <p>Branch (total &lt; 10k) Branch (within total &lt; 4.20k) Branch (within total &lt; 1.50k) Branch (total, distance Unbraced) Branch (within 4k) Dead Tree Tree Fall (unbraced-owners default) Tree Fall (upright default) Tree Fall (down) Tree Over 18k Other (Unbraced) TOTAL</p>	Colin Lang	5/4/2023	5/8/2023	5/8/2023	<p><a href="https://www.pge.com/eog_global/CommonPDFs/RegulatingVegetationHazardsMitigatedByPSPS.pdf">https://www.pge.com/eog_global/CommonPDFs/RegulatingVegetationHazardsMitigatedByPSPS.pdf</a></p> <p><a href="https://www.pge.com/eog_global/CommonPDFs/RegulatingVegetationHazardsMitigatedByPSPS.pdf">https://www.pge.com/eog_global/CommonPDFs/RegulatingVegetationHazardsMitigatedByPSPS.pdf</a></p>	0	NA	Quarterly	9.2.2	Public Safety Power Shutoff	Method Used to Compare and Evaluate the Relative Consequence of PSPS and Wildfires
335	OESB	004	OESB_004	9	OESB_004_09	<p>Regulating Coordination with Other Utilities on PSPS Wind Thresholds</p> <p>PG&amp;E has coordinated with the joint O&amp;U team, PG&amp;E has performed additional studies to evaluate how covered conductor can reduce system risk compared to bare conductors. PG&amp;E will continue to coordinate with the covered conductor stakeholders. Study Table 8.6.6, Line 17</p> <p>1. List PG&amp;E's other, if any, collaboration efforts with the investor-owned utilities at evaluating the effect of covered conductor.</p> <p>2. Has PG&amp;E specifically discussed adjusting PSPS wind thresholds in any of its covered conductor collaboration efforts?</p> <p>3. List the collaboration efforts, if any, where adjusting PSPS wind thresholds for covered conductor was discussed.</p> <p>4. Provide a list of PG&amp;E's contacts that fully understand the covered conductor.</p>	Colin Lang	5/4/2023	5/8/2023	5/8/2023	<p><a href="https://www.pge.com/eog_global/CommonPDFs/RegulatingCoordinationWithOtherUtilitiesOnPSPSWindThresholds.pdf">https://www.pge.com/eog_global/CommonPDFs/RegulatingCoordinationWithOtherUtilitiesOnPSPSWindThresholds.pdf</a></p> <p><a href="https://www.pge.com/eog_global/CommonPDFs/RegulatingCoordinationWithOtherUtilitiesOnPSPSWindThresholds.pdf">https://www.pge.com/eog_global/CommonPDFs/RegulatingCoordinationWithOtherUtilitiesOnPSPSWindThresholds.pdf</a></p>	1	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-23-31 – PSPS Wind Threshold Change Evaluations	
336	OESB	004	OESB_004	10	OESB_004_10	<p>Regulating Tree Fall and PSPS</p> <p>PG&amp;E has coordinated with the joint O&amp;U team, PG&amp;E has performed additional studies to evaluate how covered conductor can reduce system risk compared to bare conductors. PG&amp;E will continue to coordinate with the covered conductor stakeholders. Study Table 8.6.6, Line 17</p> <p>1. List PG&amp;E's other, if any, collaboration efforts with the investor-owned utilities at evaluating the effect of covered conductor.</p> <p>2. Has PG&amp;E specifically discussed adjusting PSPS wind thresholds in any of its covered conductor collaboration efforts?</p> <p>3. List the collaboration efforts, if any, where adjusting PSPS wind thresholds for covered conductor was discussed.</p> <p>4. Provide a list of PG&amp;E's contacts that fully understand the covered conductor.</p>	Colin Lang	5/4/2023	5/8/2023	5/8/2023	<p><a href="https://www.pge.com/eog_global/CommonPDFs/RegulatingTreeFallandPSPS.pdf">https://www.pge.com/eog_global/CommonPDFs/RegulatingTreeFallandPSPS.pdf</a></p> <p><a href="https://www.pge.com/eog_global/CommonPDFs/RegulatingTreeFallandPSPS.pdf">https://www.pge.com/eog_global/CommonPDFs/RegulatingTreeFallandPSPS.pdf</a></p>	0	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-23-31 – PSPS Wind Threshold Change Evaluations	
337	OESB	004	OESB_004	11	OESB_004_11	<p>Regulating Tree Fall and PSPS</p> <p>PG&amp;E has coordinated with the joint O&amp;U team, PG&amp;E has performed additional studies to evaluate how covered conductor can reduce system risk compared to bare conductors. PG&amp;E will continue to coordinate with the covered conductor stakeholders. Study Table 8.6.6, Line 17</p> <p>1. List PG&amp;E's other, if any, collaboration efforts with the investor-owned utilities at evaluating the effect of covered conductor.</p> <p>2. Has PG&amp;E specifically discussed adjusting PSPS wind thresholds in any of its covered conductor collaboration efforts?</p> <p>3. List the collaboration efforts, if any, where adjusting PSPS wind thresholds for covered conductor was discussed.</p> <p>4. Provide a list of PG&amp;E's contacts that fully understand the covered conductor.</p>	Colin Lang	5/4/2023	5/18/2023	5/18/2023	<p><a href="https://www.pge.com/eog_global/CommonPDFs/RegulatingTreeFallandPSPS.pdf">https://www.pge.com/eog_global/CommonPDFs/RegulatingTreeFallandPSPS.pdf</a></p> <p><a href="https://www.pge.com/eog_global/CommonPDFs/RegulatingTreeFallandPSPS.pdf">https://www.pge.com/eog_global/CommonPDFs/RegulatingTreeFallandPSPS.pdf</a></p>	1	NA	7.1.4	Wildfire Mitigation Strategy Development	Identifying and Evaluating Mitigation Initiatives	
338	OESB	004	OESB_004	12	OESB_004_12	<p>Regulating PSPS Loadshed</p> <p>PG&amp;E has coordinated with the joint O&amp;U team, PG&amp;E has performed additional studies to evaluate how covered conductor can reduce system risk compared to bare conductors. PG&amp;E will continue to coordinate with the covered conductor stakeholders. Study Table 8.6.6, Line 17</p> <p>1. List PG&amp;E's other, if any, collaboration efforts with the investor-owned utilities at evaluating the effect of covered conductor.</p> <p>2. Has PG&amp;E specifically discussed adjusting PSPS wind thresholds in any of its covered conductor collaboration efforts?</p> <p>3. List the collaboration efforts, if any, where adjusting PSPS wind thresholds for covered conductor was discussed.</p> <p>4. Provide a list of PG&amp;E's contacts that fully understand the covered conductor.</p>	Colin Lang	5/4/2023	5/18/2023	5/18/2023	<p><a href="https://www.pge.com/eog_global/CommonPDFs/RegulatingPSPSLoadshed.pdf">https://www.pge.com/eog_global/CommonPDFs/RegulatingPSPSLoadshed.pdf</a></p> <p><a href="https://www.pge.com/eog_global/CommonPDFs/RegulatingPSPSLoadshed.pdf">https://www.pge.com/eog_global/CommonPDFs/RegulatingPSPSLoadshed.pdf</a></p>	0	NA	6.2	Risk Methodology and Assessment	Risk Analysis Framework	
339	OESB	004	OESB_004	13	OESB_004_13	<p>Regulating PSPS Loadshed</p> <p>PG&amp;E has coordinated with the joint O&amp;U team, PG&amp;E has performed additional studies to evaluate how covered conductor can reduce system risk compared to bare conductors. PG&amp;E will continue to coordinate with the covered conductor stakeholders. Study Table 8.6.6, Line 17</p> <p>1. List PG&amp;E's other, if any, collaboration efforts with the investor-owned utilities at evaluating the effect of covered conductor.</p> <p>2. Has PG&amp;E specifically discussed adjusting PSPS wind thresholds in any of its covered conductor collaboration efforts?</p> <p>3. List the collaboration efforts, if any, where adjusting PSPS wind thresholds for covered conductor was discussed.</p> <p>4. Provide a list of PG&amp;E's contacts that fully understand the covered conductor.</p>	Colin Lang	5/4/2023	5/23/2023	5/23/2023	<p><a href="https://www.pge.com/eog_global/CommonPDFs/RegulatingPSPSLoadshed.pdf">https://www.pge.com/eog_global/CommonPDFs/RegulatingPSPSLoadshed.pdf</a></p> <p><a href="https://www.pge.com/eog_global/CommonPDFs/RegulatingPSPSLoadshed.pdf">https://www.pge.com/eog_global/CommonPDFs/RegulatingPSPSLoadshed.pdf</a></p>	1	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-23-33 – Progress on Filig Asset Inventory Data Collection	













339	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009_06	6	CPUC - SPD (Safety Policy Division)_009_06	SPG&E monitors pre-pandemic in-person engagement. Does PG&E have data comparing pre-pandemic engagement to pandemic (includes engagement efforts and any other things, attendance)? For instance, are there metrics/data regarding non-APNMB and APNMB?	For community events and ongoing levels of customer attendance/interest, PG&E does not have specific data on customer demographics or attendance. We do monitor our Virtual webinars and team the events. Registration is optional, and we track the majority of attendees about 10-15 minutes prior to the event. We do not have pre-recorded attendance (anonymous). Prior to the pandemic (2019), all regional Safety Town Halls were conducted in-person. Since the start of COVID-19, we have moved all Safety Town Halls to virtual. With that being said, we have seen good attendance throughout the first half of 2022. The data we have collected shows an increase in attendance for Safety Town Halls. The data summarizes the attendance of our events by year and the year-over-year percentage change.	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	0	NA	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
400	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009_07	7	CPUC - SPD (Safety Policy Division)_009_07	PG&E states that if an APN customer does not answer the door, the notification is considered successful if a door hanger is left. What industry policy/practice is PG&E following that classifies a non-answer as a successful notification?	During a PG&E event, medical baseline customers receive automated calls, text and e-mails at the same intervals as the general customer notifications. In addition, customers receive repeated automated calls and both at hourly intervals until the customer confirms receipt of the notification by either answering the phone, responding to the text or opening the email. If confirmation is not received, a PG&E representative calls the customer's home to reach out to the customer in a friendly and cordial manner. PG&E uses a "door hanger" process in above and beyond the guidelines set forth in CPUC's Decision Order #18-12-005. While PG&E has not specifically determined an industry practice, the three joint California C&I have agreed on this process. The door hanger is considered Successful Notification Delivery but is not confirmed as an Notification Received. After a door hanger is left, these customers will continue to receive health and well-being notifications.	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	0	NA	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
405	CaPA	Sat WMP-26	CaPA_Sat WMP-26	1	CaPA_Sat WMP-26_01	a) Please describe your general process or strategy for developing load forecasts. b) Do you have a uniform process or procedure for developing load forecasts? c) If the answer to (a) is "yes," explain how load growth projects influence your mitigation selection process. d) If the answer to (b) is "no," explain why not.	a) Please see WMP-Discover2023_02_CaPA-Distribution_2023-007-04207 for a description of the Distribution Planning Process. This document was submitted as part of the 2023 GRC Phase II Cost of Service. Features are Chapter 4: Distribution Expansion Planning Process and Projected Costs. Part C: the document includes information regarding load forecasting. b) Yes, PG&E has a written process for producing annual distribution load forecasts. c) Please see WMP-Discover2023_02_CaPA-Distribution_2023-007-04207 Appendix for a copy of the Distribution Planning Process, 020848 "Guide for Planning Area Distribution Facilities" Section 7: conditions information regarding load forecasts. d) Not applicable.	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	2	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
406	CaPA	Sat WMP-26	CaPA_Sat WMP-26	2	CaPA_Sat WMP-26_02	a) Do you consider load growth projections when you determine which system hardening measures to deploy for wildfire mitigation purposes? b) If yes, what degree of load growth do you design for? c) If the answer to (a) is "no," explain why not.	a) The choice of which system hardening measures is deployed for wildfire mitigation purposes is not influenced by either load forecasts or load growth projections in any way. b) Not applicable. c) System hardening measures are selected based on wildfire risk and ignition risk mitigation needs, not loading. However, any loading conditions (including load growth projections) are addressed during the system hardening project scoping and design phases, such as the application of fire-resistant construction, additional reactive power or voltage control equipment, upgraded protection, or additional hardening.	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
407	CaPA	Sat WMP-26	CaPA_Sat WMP-26	3	CaPA_Sat WMP-26_03	a) When you plan system hardening projects for wildfire mitigation purposes, do you design projects to accommodate forecasted load growth? b) If yes, what degree of load growth do you design for? c) Describe your process for incorporating forecasted load growth into the design of system hardening projects for instance, which sequence of possible load growth are considered?	a) Yes, when we plan system hardening projects for wildfire mitigation purposes the design of the project may be influenced by forecasted load growth. b) The design takes into account a 13-year substation-transformer and distribution circuit load forecast and a three-year distribution section forecast. c) Only one scenario is used for the residential-urban distribution forecast. The Energy Efficiency Energy Policy Report forecast for load and Distributed Energy Resource growth. Our Electric Distribution Planning and Design team report and review for the Grid Design team throughout the scoping process ensuring that adequate capacity, voltage control, and protection is incorporated within the system hardening project scope. There is also an additional touchpoint later in the estimating process where the Electric Distribution Planning and Grid Design engineering teams review the Circuit Break Change Sheet (CBCS) and approve the load design. At that point, any changes are required to be incorporated into the design. d) The situation being described is a condition to correct conductor to lower the level of electric loading. When conducting that condition to correct conductor to lower the level of electric loading, we ensure that we maintain the load capacity at peak, at a minimum. We also work with our Distribution Planning team to make the design for forecasted load growth when required.	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
408	CaPA	Sat WMP-26	CaPA_Sat WMP-26	4	CaPA_Sat WMP-26_04	a) In a typical bare conductor or covered conductor conversion project, is the intention to maintain, increase, or decrease the load capacity at peak operating temperature? b) Explain the reasoning for your response to (a).	a) PG&E designs for two basic systems in primary electric distribution: bare-line and mainline. Bare-lines are typically served by fuses and transformers and are generally carrying less than 100 amps. Our new minimum wire size is 10 aluminum conductor steel reinforced (ACSR) ALE (we use two conductors), 42 copper CU ALPPE (we use two conductors), and 10 aluminum (AL) EPPE for UL. Each of these conductor sizes can carry greater than 100 amps on typical 480V distribution. We have a design margin in charge in protection when a larger fuse or through the application of a recloser or recloser. If the load forecast is greater than the existing capacity through protection alone, we would consider extending additional mainline conductor through the area to offset the load, and providing a system capable of handling that load. b) The wire sizes are 715 aluminum conductor (AAC), 42 copper CU ALPPE (we use two wires), 307 AL (AL) ALPPE (we use one), 100 AL EPPE for UL, and 800 AL EPPE for mainline (UL listed and on the circuit). Each of these conductable conductors can carry more than 400 amps and are typically based on their forecasted load, voltage levels, weather, power flux, and operational capacity requirements in the area. Additional measures included in mainline design are voltage regulation, capacitors for reactive power management, and mainline protection and SCADA, as well as considerations for new lines and mainline to manage customer load and new business/forecasted improvements. In addition, when the load forecast may exceed our maximum wire size or capability of the circuit, we may choose to install power line conductor with the new conductor system to be installed.	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
409	CaPA	Sat WMP-26	CaPA_Sat WMP-26	5	CaPA_Sat WMP-26_05	a) Are all new covered conductor installation projects designed to accommodate greater than current capacity for the same circuit? b) If the answer to (a) is "yes," explain how. c) Please see our response to subpart (a).	a) In general, new covered conductor systems are designed to accommodate forecasted growth in an area, where applicable, and for operational capacity requirements to support existing and regular maintenance. However, not all areas are forecasted to require additional capacity for regular or emergency loads. b) Please see our response to subpart (a). c) Please see our response to subpart (a).	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
410	CaPA	Sat WMP-26	CaPA_Sat WMP-26	6	CaPA_Sat WMP-26_06	a) Are all overhead to underground conductor conversion projects designed to accommodate loads greater than current capacity for the same circuit? b) If the answer to (a) is "yes," explain how. c) If the answer to (a) is "no," explain why not.	a) In general, new underground systems are designed to accommodate forecasted growth in an area, where applicable, as well as for operational capacity requirements to support existing and regular maintenance. However, not all areas are forecasted to require additional capacity for regular or emergency loads. b) Please see our response to subpart (a). c) Please see our response to subpart (a).	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
411	CaPA	Sat WMP-26	CaPA_Sat WMP-26	7	CaPA_Sat WMP-26_07	Describe the challenges or advantages entailed in increasing load capacity on a circuit that has previously been hardened with covered conductor.	The challenges or advantages associated with increasing capacity on a circuit that has been hardened with covered conductor as compared to one that has not been hardened, in our view, the system structure and components will be replaced as required to support larger conductor or an additional underground circuit. It might be possible for a hardened system to require fewer protection upgrades due to a lesser ambient, since replacements to increase load capacity, it might also be possible for new load growth to require physical system changes on a hardened system if that ambient, accessible to support forecasted growth.	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
412	CaPA	Sat WMP-26	CaPA_Sat WMP-26	8	CaPA_Sat WMP-26_08	Describe the challenges or advantages entailed in increasing load capacity on a circuit that has previously been hardened with underground conductor.	The challenges or advantages associated with increasing capacity on an underground electric distribution system will differ depending on whether the underground system was built recently or in the past under different engineering and design standards. Based on current design standards and practices, it is likely that recent undergrounding projects include physical capacity to support forecasted load growth in the system. Spine conductors or larger cables may have already been installed. However, if load capacity above the design of a specific built underground system is required, additional cable systems and enclosures would likely need to be installed. In these cases, adding new existing underground infrastructure can be more difficult than installing underground assets in the first place, and finding locations for additional enclosures may be challenging. Lastly, in some limited cases, a higher capacity conductor cable can be pulled through the existing conduit system to support additional load growth without needing to do additional trenching or installing additional conductors. If load capacity needs to increase on an underground system built under current engineering and design standards, there are potential challenges would depend on the health of the existing underground system. If the existing conduit is compromised then it may not be possible to pull new cable through the existing conduit, and a new elements related detail to be required trenching installing the conduit and new enclosures as well. If the existing conduit is generally intact, it may be possible to pull new cable through that conduit to facilitate some load growth without significant trenching.	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
413	CaPA	Sat WMP-26	CaPA_Sat WMP-26	9	CaPA_Sat WMP-26_09	a) Circuit ID Number b) Peak load in Amps observed since January 1, 2014. c) Circuit Capacity in Amps	The information in this response contains confidential material and is provided pursuant to the accompanying confidentiality declaration. In this response, PG&E provides the requested data for the distribution circuits in our system. As agreed to, we plan to supplement this distribution with available data for the transmission circuits in The Grid, August 2023. Please see WMP-Discover2023_02_CaPA-Distribution_2023-007-04207 Appendix for a copy of the Distribution Planning Process, 020848 "Guide for Planning Area Distribution Facilities" Section 7: conditions information regarding load forecasts. d) Not applicable. The 2022 data was obtained from SCADA information at distribution substation meters as part of the annual load forecast process. This data was obtained by Distribution Planning to include substation information and interrelated and supplemented with AMI data where SCADA data was not present. Please note, peak loads prior to 2022 are, in many instances, no longer relevant because circuit hardening/updates have occurred. In other words, the set of customers previously served by the circuit may not be the same set of customers served by the circuit at present time. Please note, confidential load data that could reveal individual customer loading is redacted in grey. Please note, we do not model the secondary system nor recent secondary distribution loading.	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution

43	CAPA	Sat WMP-26	CaPA_Sat WMP-26	SRFP	CaPA_Sat WMP-26_C09LPP	Provide a list of all circuits in your system. For each circuit, provide: a) Circuit ID Number b) Peak load in Amperes observed since January 1, 2014. c) Circuit Capacity in Amperes	In this response, PG&E provides the requested data for the PG&E owned active transmission circuits in our system that are calculated from telemetry and included in Energy Management System (EMS). Please note, we did not include information that did not match between PG&E's GIS system and the CAISO Transmission Register because the GIS system information included some distribution, idle, inactive, or reserved lines. Please see "WMP-Discovery2023_DR_CaPAInnovates_Q08-Q0900app1A0101.xlsx" for a list of transmission circuits (subset (a)), 2022 peak load (subset (b)), and their capacity (subset (c)). Where available, we selected the highest telemetered peak value for all line segments and all phases at each segment. Where telemetered values were not available, the calculated loadings were selected with the highest loading in the same manner. Please note, peak loads prior to 2022 are, in many instances, no longer relevant because circuit reconfigurations have occurred. In other areas, the set of customers presently served by the circuit may be the same as of customers we served in the circuit in previous years. Additionally, loading in the data set indicates the circuit was not loaded to 100% or was loaded close to 100% of its capacity. All rated circuits have at least four rating types that represent Summer Normal (SN), Summer Emergency (SE), Winter Normal (WN), and Winter Emergency (WE) ratings. In cases where peak loading exceeds normal ampacity, it is likely that an emergency condition was present. Please see below for the definitions of rating type terms: • Normal Ampacity: The ampacity continuous load that can be carried under normal conductor operating temperature. • Emergency Ampacity: Ampacity level permitted for short duration in emergency resulting from the outage of other facilities. Emergency loading is limited to four hours per day and should not exceed a total time of 100 hours in one year. PG&E also notes that we do not maintain the data provided in this response in the format presented in "WMP-Discovery2023_DR_CaPAInnovates_Q08-Q0900app1A0101.xlsx" during the normal course of business. It was cross-referenced to the data repository in Energy Management System. The attachment to the response contains confidential material and is provided pursuant to the accompanying confidentiality declaration. Please refer to "WMP-Discovery2023_DR_CaPAInnovates_Q08-Q0900app1A0101.CONF.pdf" for the requested GIS attributes for our primary distribution system. Line section attributes may include additional circuits not shown in the response to Q009. The list of circuits in Q009 includes inactive circuits that are included as part of the distribution planning process. Single-circuit circuits, in cables, and idle circuits are not included. Please note, the attachment contains confidential information, so we do not maintain the secondary distribution system, nor record secondary distribution loadings. As agreed by PG&E will provide a response to the portion of the request relating to information that is automatically reported to the public website. The attachment to the response contains confidential material and is provided pursuant to the accompanying confidentiality declaration. Please refer to "WMP-Discovery2023_DR_CaPAInnovates_Q08-Q0900app1A0101.CONF.pdf" for the requested GIS attributes for PG&E's transmission system. Please note, "Islands" identified in "WMP-Discovery2023_DR_CaPAInnovates_Q08-Q0900app1A0101.xlsx" are represented with the Data Requested set for additional context regarding the transmission peak load and circuit capacity data provided in "WMP-Discovery2023_DR_CaPAInnovates_Q08-Q0900app1A0101.xlsx".	Holly Whitman	7/27/2023	8/4/2023	8/4/2023	1	NA	8.1.2.2	Grid Design and System Planning	Undergrounding of Electric Lines and/or Equipment - Distribution
434	CAPA	Sat WMP-26	CaPA_Sat WMP-26	10	CaPA_Sat WMP-26_Q10	Provide updated GIS layers of primary distribution, secondary distribution, and transmission lines, with the following attributes: a) Circuit ID Number b) Peak load in Amperes observed since January 1, 2014. c) Circuit Capacity in Amperes	The attachment to the response contains confidential material and is provided pursuant to the accompanying confidentiality declaration. Please refer to "WMP-Discovery2023_DR_CaPAInnovates_Q08-Q0900app1A0101.CONF.pdf" for the requested GIS attributes for our primary distribution system. Line section attributes may include additional circuits not shown in the response to Q009. The list of circuits in Q009 includes inactive circuits that are included as part of the distribution planning process. Single-circuit circuits, in cables, and idle circuits are not included. Please note, the attachment contains confidential information, so we do not maintain the secondary distribution system, nor record secondary distribution loadings. As agreed by PG&E will provide a response to the portion of the request relating to information that is automatically reported to the public website. The attachment to the response contains confidential material and is provided pursuant to the accompanying confidentiality declaration. Please refer to "WMP-Discovery2023_DR_CaPAInnovates_Q08-Q0900app1A0101.CONF.pdf" for the requested GIS attributes for PG&E's transmission system. Please note, "Islands" identified in "WMP-Discovery2023_DR_CaPAInnovates_Q08-Q0900app1A0101.xlsx" are represented with the Data Requested set for additional context regarding the transmission peak load and circuit capacity data provided in "WMP-Discovery2023_DR_CaPAInnovates_Q08-Q0900app1A0101.xlsx".	Holly Whitman	7/27/2023	8/17/2023	8/17/2023	1	NA	8.1.2.2	Grid Design and System Planning	Undergrounding of Electric Lines and/or Equipment - Distribution
434	CAPA	Sat WMP-26	CaPA_Sat WMP-26	10SRFP	CaPA_Sat WMP-26_Q10SRFP	Provide updated GIS layers of primary distribution, secondary distribution, and transmission lines, with the following attributes: a) Circuit ID Number b) Peak load in Amperes observed since January 1, 2014. c) Circuit Capacity in Amperes	The attachment to the response contains confidential material and is provided pursuant to the accompanying confidentiality declaration. Please refer to "WMP-Discovery2023_DR_CaPAInnovates_Q08-Q0900app1A0101.CONF.pdf" for the requested GIS attributes for our primary distribution system. Line section attributes may include additional circuits not shown in the response to Q009. The list of circuits in Q009 includes inactive circuits that are included as part of the distribution planning process. Single-circuit circuits, in cables, and idle circuits are not included. Please note, the attachment contains confidential information, so we do not maintain the secondary distribution system, nor record secondary distribution loadings. As agreed by PG&E will provide a response to the portion of the request relating to information that is automatically reported to the public website. The attachment to the response contains confidential material and is provided pursuant to the accompanying confidentiality declaration. Please refer to "WMP-Discovery2023_DR_CaPAInnovates_Q08-Q0900app1A0101.CONF.pdf" for the requested GIS attributes for PG&E's transmission system. Please note, "Islands" identified in "WMP-Discovery2023_DR_CaPAInnovates_Q08-Q0900app1A0101.xlsx" are represented with the Data Requested set for additional context regarding the transmission peak load and circuit capacity data provided in "WMP-Discovery2023_DR_CaPAInnovates_Q08-Q0900app1A0101.xlsx".	Holly Whitman	7/27/2023	8/4/2023	8/4/2023	1	NA	8.1.2.2	Grid Design and System Planning	Undergrounding of Electric Lines and/or Equipment - Distribution
435	CAPA	Sat WMP-27	CaPA_Sat WMP-27	1	CaPA_Sat WMP-27_Q1	a) Did PG&E provide an internal analysis in the Wall Street Journal as described in the article? b) If the answer to part (a) is yes, please provide a copy of the internal analysis described in the article. c) If the answer to part (a) is no, please state when PG&E provided a copy of the internal analysis in the Wall Street Journal. d) If the answer to part (a) is no, is PG&E aware of the internal analysis described in the article? e) If the answer to part (a) is no, please provide a copy of the internal analysis described in the article.	PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ: however, PG&E does not know how they used the WSJ. Please see attachment "WMP-Discovery2023_DR_CaPAInnovates_Q07-Q08A0101.pdf". Please see part (c) The materials were shared on July 25, 2023. (b) Not applicable. (e) Please see part (c).	Holly Whitman	8/4/2023	8/18/2023	8/18/2023	1	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
436	CAPA	Sat WMP-27	CaPA_Sat WMP-27	2	CaPA_Sat WMP-27_Q2	The article states the following: The California utility company PG&E spent about \$2.3 billion on a yearlong effort aimed at reducing wildfire risk by cutting or clearing more than a million trees growing alongside power lines. It now says that work was largely ineffective and is abandoning the program, according to an internal analysis reviewed by the Wall Street Journal and interviews with utility executives. a) Please list the utility executives who were interviewed by the Wall Street Journal as described in the article. b) For each executive listed in part (a), provide the date or dates the interview occurred. c) If for each executive listed in part (a), please provide transcripts of the interview, if available.	PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ: however, PG&E does not know how they used the WSJ. Please see attachment "WMP-Discovery2023_DR_CaPAInnovates_Q07-Q08A0101.pdf". Please see part (c) The materials were shared on July 25, 2023. (b) Not applicable. (e) Please see part (c).	Holly Whitman	8/4/2023	8/18/2023	8/18/2023	1	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
437	CAPA	Sat WMP-27	CaPA_Sat WMP-27	3	CaPA_Sat WMP-27_Q3	The article states the following: PG&E now says that work was largely ineffective and is abandoning the program, according to an internal analysis reviewed by the Wall Street Journal and interviews with utility executives. a) Please explain what is meant by the statement quoted above that the work described in the article was "largely ineffective." b) Please provide a transcript of the interview.	PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ: however, PG&E does not know how they used the WSJ. Please see attachment "WMP-Discovery2023_DR_CaPAInnovates_Q07-Q08A0101.pdf". Please see part (c) The materials were shared on July 25, 2023. (b) Not applicable. (e) Please see part (c).	Holly Whitman	8/4/2023	8/18/2023	8/18/2023	0	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
438	CAPA	Sat WMP-27	CaPA_Sat WMP-27	4	CaPA_Sat WMP-27_Q4	The article states the following: The California utility giant says the program, which involved creating state agencies between live wires and potentially hazardous trees, resulted in a 13% reduction in ignition during periods when the risk is highest, typically in autumn according to the company's internal analysis. Measured across a full year, the work resulted in a 7% reduction in ignitions. a) Please provide the analysis and data to support the 13% reduction in ignitions during periods when the risk was highest. b) Please provide the analysis and data to support the 7% reduction in ignitions across a full year.	PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ: however, PG&E does not know how they used the WSJ. Please see attachment "WMP-Discovery2023_DR_CaPAInnovates_Q07-Q08A0101.pdf". Please see part (c) The materials were shared on July 25, 2023. (b) Not applicable. (e) Please see part (c).	Holly Whitman	8/4/2023	8/18/2023	8/18/2023	2	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
439	CAPA	Sat WMP-27	CaPA_Sat WMP-27	5	CaPA_Sat WMP-27_Q5	In response to data request CaPAInnovates-PGE-2023WMP-14, question 5, on April 17, 2023, PG&E stated that it expected to complete the Substation Annual Abatement Effectiveness Study by July 18, 2023. a) Has PG&E completed the Substation Annual Abatement Effectiveness Study? b) If the answer to part (a) is yes, please provide a copy of any reports or other output from the Substation Annual Abatement Effectiveness Study. c) If the answer to part (a) is no, please state when PG&E currently expects to complete the Substation Annual Abatement Effectiveness Study.	PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ: however, PG&E does not know how they used the WSJ. Please see attachment "WMP-Discovery2023_DR_CaPAInnovates_Q07-Q08A0101.pdf". Please see part (c) The materials were shared on July 25, 2023. (b) Not applicable. (e) Please see part (c).	Holly Whitman	8/4/2023	8/18/2023	8/18/2023	0	NA	8.1.2.10.2	Grid Design and System Planning	Other Technologies and System - Substation Annual Abatement
420	CAPA	Sat WMP-27	CaPA_Sat WMP-27	6	CaPA_Sat WMP-27_Q6	In response to data request TURN-PGE-3, question 2, on April 10, 2023, PG&E stated the following: Additionally, we are in the process of finalizing a study that is planned to be completed by June 30, 2023. This study will assess the recorded reliability improvements at locations that have been undergrounded and/or have been hardened with covered conductors. a) Has PG&E completed the study described above? b) If the answer to part (a) is yes, please provide a copy of any reports or other output from the study described above. c) If the answer to part (a) is no, please state when PG&E currently expects to complete the study described above.	PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ: however, PG&E does not know how they used the WSJ. Please see attachment "WMP-Discovery2023_DR_CaPAInnovates_Q07-Q08A0101.pdf". Please see part (c) The materials were shared on July 25, 2023. (b) Not applicable. (e) Please see part (c).	Holly Whitman	8/4/2023	8/18/2023	8/18/2023	0	NA	NA	NA	NA
421	CAPA	Sat WMP-27	CaPA_Sat WMP-27	7	CaPA_Sat WMP-27_Q7	Please provide a copy of PG&E's 2022 Annual Electric Reliability Report. This should be similar to the documents provided to TURN in response to TURN-PGE-3, question 2, on April 10, 2023.	PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ: however, PG&E does not know how they used the WSJ. Please see attachment "WMP-Discovery2023_DR_CaPAInnovates_Q07-Q08A0101.pdf". Please see part (c) The materials were shared on July 25, 2023. (b) Not applicable. (e) Please see part (c).	Holly Whitman	8/4/2023	8/18/2023	8/18/2023	1	NA	NA	NA	NA
422	CAPA	Sat WMP-28	CaPA_Sat WMP-28	1	CaPA_Sat WMP-28_Q1	RP-PAGE-21-02 Page 25 of PG&E's response states, "PG&E is currently working to integrate OC with our execution processes to drive quality during critical work execution." a) Describe how PG&E will integrate OC with execution processes. b) Describe the OC and CA processes in place at the beginning of 2023 for a detailed distribution inspection. Describe the process from start to finish from an CA action that occur prior to the inspection, continuing through the inspection, and ending when OC and CA are both complete. c) Describe the OC and CA processes that PG&E is proposing when OC will be integrated with execution processes for a detailed distribution inspection. As specified in the previous part, describe the process from start to finish. d) State the percentage of distribution asset inspections that will undergo the integrated OC process that PG&E is proposing.	PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ: however, PG&E does not know how they used the WSJ. Please see attachment "WMP-Discovery2023_DR_CaPAInnovates_Q07-Q08A0101.pdf". Please see part (c) The materials were shared on July 25, 2023. (b) Not applicable. (e) Please see part (c).	Holly Whitman	8/18/2023	8/18/2023	8/18/2023	0	NA	8.1.6	Quality Assurance and Quality Control	NA
423	CAPA	Sat WMP-28	CaPA_Sat WMP-28	2	CaPA_Sat WMP-28_Q2	RP-PAGE-21-02 Page 25 of PG&E's response states, "PG&E is currently working to integrate OC with our execution processes to drive quality during critical work execution." a) How will PG&E track the quality of asset inspection work under the integrated OC process (which was previously tracked as a OC pass rate)? b) What metrics or measures will PG&E use to identify a possible downward trend in the quality of asset inspection work?	PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ: however, PG&E does not know how they used the WSJ. Please see attachment "WMP-Discovery2023_DR_CaPAInnovates_Q07-Q08A0101.pdf". Please see part (c) The materials were shared on July 25, 2023. (b) Not applicable. (e) Please see part (c).	Holly Whitman	8/18/2023	8/18/2023	8/18/2023	0	NA	8.1.6	Quality Assurance and Quality Control	NA

424	CaPA	Sat WMP-28	CaPA_Sat WMP-28	3	CaPA_Sat WMP-28_03	<p>RMP/PSGE-23-02 Table 2-11 (Revised) on page 35 of PSGE's response states that PSGE will perform field QA audits on 500 transmission locations and 1500 distribution locations.</p> <p>a) Provide a breakdown of the 500 transmission locations by inspection type. For example, how many of these locations will audit detailed ground inspections, how many will audit aerial inspections, etc.</p> <p>b) Provide a breakdown of the 1500 distribution locations by inspection type. For example, how many of these locations will audit detailed ground inspections, how many will audit aerial inspections, how many will audit panel inspections, etc.</p>	<p>All QA audit locations are assessed from completed QC ground or detailed audit locations. Both ground and detailed QC locations have an equal but random likelihood of appearing in the QA sample. Due to the random nature of the sampling, it is not possible to determine in advance the quantities of each inspection type which may appear in the QA sample.</p> <p>a) Provide a breakdown of the 500 transmission locations by inspection type. For example, how many of these locations will audit detailed ground inspections, how many will audit aerial inspections, etc. The process is the same for distribution locations as it is for transmission locations.</p> <p>b) Type of Audit Field Panel 2023 YTD Pass Rate Results (Data as of 7/25/2023) QC Complete Quantity as of 7/25/2023 QC Complete of System Inspections Total as of 7/25/2023 Transmission Field 80.9% 98.1% 23.40 0.95% Distribution Field 79.2% 87% 22.43 36.07% Desktop 85.5% 84.2% 82.50 41.5%</p> <p>WMP-Revised2023_DR_California_C23-0004 Page 2</p> <p>b) Our improved pass rates are the result of the continuous improvements our team has made since Energy Safety issued the 2022 Position Notice and which are described in both our 2022 and 2023 WMP. In particular, the system inspections and QC organizations make weekly collaboration meetings to explore improvement opportunities, identify gaps in our processes, address challenges and resolve them. Furthermore, in addition to the internal improvements we have made as of July 10, 2023, we have created 14 additional PSGE compliance independent problem assessors our work teams, as well as a supervisor problem assessor by name on the field to conduct this assessment of our work teams.</p> <p>a) By using Quality Control checks to the work and evening working personnel to address and mitigate issues faster, we will ensure that we have formal sampling of locations through QC will need to occur and issues will be identified on time. The 520 million efficiency is a forecast based on the sample we anticipate through finding working teams locations, and improvements to the quality of work as first which will cause a reduction in work and QC costs.</p> <p>b) These are our responses to Question 63 for an explanation as to how our new QC process will achieve comparable or improved quality performance results. Please also see our response to Question 63 for an explanation as to how our new QC process will achieve comparable or improved quality performance results.</p> <p>a) Quality is being tracked by using data on QC failures to inform dashboards and plans that give visibility into opportunities for improvement in vital work execution, driving quality of the source. Where applicable, PSGE will also continue to track QC pass rates as we have done previously. PSGE utilizes patch checks, among other tools, to track low finding paper which are paired with stakeholders to formulate solution plans of action. Where applicable, PSGE will also continue to track QC pass rates.</p> <p>The response that referenced OSHA audits in 2022 were not directly focused on HTD in addition, the ability to discuss between HTD and non-HTD, or the various VMM programs that were reviewed in distribution pre-construction, permit specific, etc. was limited in 2022. This means that the identified number of 2022 OSHA audits is not directly comparable to the 2023 OSHA audits.</p> <p>Given for implementation of the Quality Management System (QMS) for the first month of 2023, and the statistically valid QA sampling methodology, PSGE is focusing quality control where audit failure the most critical in the areas of critical risk components where audit failure the most critical in the areas of critical risk components between EPSS and Non-EPSS enabled lines.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.0	Quality Assurance and Quality Control	NA
425	CaPA	Sat WMP-28	CaPA_Sat WMP-28	4	CaPA_Sat WMP-28_04	<p>RMP/PSGE-23-02 Table 2-11 (Revised) on page 36 of PSGE's response shows higher QC pass rates in 2023 (as of July 25, 2023) than in 2022.</p> <p>a) Provide a breakdown of the four QC categories displayed in Table RMP/PSGE-23-02-1, provide the sample size (as both a number and percentage of total) that has undergone QC in 2023 as of July 25, 2023.</p> <p>b) List all factors in which PSGE attributes the improved QC pass rates. They may include changes to inspection programs, changes to training, changes to the QC process, different personnel/contractors, etc.</p>	<p>Table RMP/PSGE-23-02-1 on page 36 of PSGE's response shows higher QC pass rates in 2023 (as of July 25, 2023) than in 2022.</p> <p>a) Provide a breakdown of the four QC categories displayed in Table RMP/PSGE-23-02-1, provide the sample size (as both a number and percentage of total) that has undergone QC in 2023 as of July 25, 2023.</p> <p>b) List all factors in which PSGE attributes the improved QC pass rates. They may include changes to inspection programs, changes to training, changes to the QC process, different personnel/contractors, etc.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.0	Quality Assurance and Quality Control	NA
426	CaPA	Sat WMP-28	CaPA_Sat WMP-28	5	CaPA_Sat WMP-28_05	<p>RMP/PSGE-23-02 Page 4 of PSGE's response states, "By being flexible with how we deploy our quality management resources, we can mitigate \$20 million in annual costs to our customers in 2024 and 2025 and yet achieve comparable quality performance results."</p> <p>a) State the basis for PSGE's estimate that its proposed QC process will mitigate \$20 million in annual costs to customers.</p> <p>b) State the basis for PSGE's statement that its proposed QC process will achieve comparable quality performance results.</p> <p>c) Please describe the methods PSGE will use to track and compare the quality performance between its proposed QC process and the QC process in place at the beginning of 2023.</p>	<p>RMP/PSGE-23-02 Page 4 of PSGE's response states, "By being flexible with how we deploy our quality management resources, we can mitigate \$20 million in annual costs to our customers in 2024 and 2025 and yet achieve comparable quality performance results."</p> <p>a) State the basis for PSGE's estimate that its proposed QC process will mitigate \$20 million in annual costs to customers.</p> <p>b) State the basis for PSGE's statement that its proposed QC process will achieve comparable quality performance results.</p> <p>c) Please describe the methods PSGE will use to track and compare the quality performance between its proposed QC process and the QC process in place at the beginning of 2023.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.0	Quality Assurance and Quality Control	NA
427	CaPA	Sat WMP-28	CaPA_Sat WMP-28	6	CaPA_Sat WMP-28_06	<p>RMP/PSGE-23-02 Table 2-11 (Revised) on page 37 of PSGE's response states that:</p> <p>"2,859 distribution locations underwent field QA audits in 2022, and 2,820 distribution locations in the HTDFRA will undergo field QA audits in 2023. Given that approximately one third of PSGE's overhead distribution lines are in the HTDFRA (per Table 2-2 in PSGE's 2023-2025 WMP), please explain why the proposed audit sample size in 2023 is approximately one third of the actual audit sample size in 2022."</p>	<p>RMP/PSGE-23-02 Table 2-11 (Revised) on page 37 of PSGE's response states that:</p> <p>"2,859 distribution locations underwent field QA audits in 2022, and 2,820 distribution locations in the HTDFRA will undergo field QA audits in 2023. Given that approximately one third of PSGE's overhead distribution lines are in the HTDFRA (per Table 2-2 in PSGE's 2023-2025 WMP), please explain why the proposed audit sample size in 2023 is approximately one third of the actual audit sample size in 2022."</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.0	Quality Assurance and Quality Control	NA
428	CaPA	Sat WMP-28	CaPA_Sat WMP-28	7	CaPA_Sat WMP-28_07	<p>RMP/PSGE-23-03 Page 14 of PSGE's response states, "The likelihood of experiencing an extended outage (i.e., an outage of 12 hours or more) on EPSS enabled lines was 20% lower than all other PSGE outages in 2022, and the likelihood of experiencing a major outage was 27% lower than all other PSGE outages in 2022."</p> <p>a) Has PSGE conducted a study or analysis of why the likelihood of experiencing an extended outage on EPSS enabled lines was 20% lower than all other PSGE outages in 2022?</p> <p>b) If the answer to part (a) is yes, please provide the results of the study or analysis.</p> <p>c) Has PSGE's 2023-2025 WMP/PSGE response to most outages on EPSS enabled lines within 60 minutes. Describe the extent to which the expected response time compares to the likelihood of experiencing an extended outage on EPSS enabled lines being 20% lower than all other PSGE outages in 2022.</p>	<p>RMP/PSGE-23-03 Page 14 of PSGE's response states, "The likelihood of experiencing an extended outage (i.e., an outage of 12 hours or more) on EPSS enabled lines was 20% lower than all other PSGE outages in 2022, and the likelihood of experiencing a major outage was 27% lower than all other PSGE outages in 2022."</p> <p>a) Has PSGE conducted a study or analysis of why the likelihood of experiencing an extended outage on EPSS enabled lines was 20% lower than all other PSGE outages in 2022?</p> <p>b) If the answer to part (a) is yes, please provide the results of the study or analysis.</p> <p>c) Has PSGE's 2023-2025 WMP/PSGE response to most outages on EPSS enabled lines within 60 minutes. Describe the extent to which the expected response time compares to the likelihood of experiencing an extended outage on EPSS enabled lines being 20% lower than all other PSGE outages in 2022.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.0	Grid Operations and Procedures	NA
429	CaPA	Sat WMP-28	CaPA_Sat WMP-28	8	CaPA_Sat WMP-28_08	<p>RMP/PSGE-23-03 Page 14 of PSGE's response states, "PSGE estimates that by the end of the WMP cycle, we will have reduced wildfire risk in the HTDFRA by 84 percent through a combination of permanent risk reduction (system resilience mitigation) and operational mitigations such as EPSS."</p> <p>a) State the basis for PSGE's estimate that, by the end of the WMP cycle, PSGE will have reduced wildfire risk in the HTDFRA by 84 percent.</p> <p>b) Provide any supporting data for your response to (a).</p> <p>c) Please disaggregate the estimated 84 risk reduction figure into the amounts attributable to permanent risk reduction and operational mitigations.</p>	<p>RMP/PSGE-23-03 Page 14 of PSGE's response states, "PSGE estimates that by the end of the WMP cycle, we will have reduced wildfire risk in the HTDFRA by 84 percent through a combination of permanent risk reduction (system resilience mitigation) and operational mitigations such as EPSS."</p> <p>a) State the basis for PSGE's estimate that, by the end of the WMP cycle, PSGE will have reduced wildfire risk in the HTDFRA by 84 percent.</p> <p>b) Provide any supporting data for your response to (a).</p> <p>c) Please disaggregate the estimated 84 risk reduction figure into the amounts attributable to permanent risk reduction and operational mitigations.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	1	NA	8.1.0	Grid Operations and Procedures	NA
430	CaPA	Sat WMP-28	CaPA_Sat WMP-28	9	CaPA_Sat WMP-28_09	<p>RMP/PSGE-23-04 Page 25 of PSGE's response states, "Instead, we will eliminate the entire HTD maintenance lag backlog by 2025."</p> <p>a) Is the above statement intended to refer to the HTD maintenance backlog, or the HTDFRA maintenance backlog?</p> <p>b) If the answer to part (a) is the HTD maintenance backlog, state when PSGE will eliminate the entire HTD maintenance backlog.</p> <p>c) Does PSGE's plan for addressing maintenance lag backlogs differentiate between lags in HTD and lags in HTDFRA?</p>	<p>RMP/PSGE-23-04 Page 25 of PSGE's response states, "Instead, we will eliminate the entire HTD maintenance lag backlog by 2025."</p> <p>a) Is the above statement intended to refer to the HTD maintenance backlog, or the HTDFRA maintenance backlog?</p> <p>b) If the answer to part (a) is the HTD maintenance backlog, state when PSGE will eliminate the entire HTD maintenance backlog.</p> <p>c) Does PSGE's plan for addressing maintenance lag backlogs differentiate between lags in HTD and lags in HTDFRA?</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.0	Grid Operations and Procedures	NA
431	CaPA	Sat WMP-28	CaPA_Sat WMP-28	10	CaPA_Sat WMP-28_10	<p>RMP/PSGE-23-04 Table RMP/PSGE-23-04-1 on page 46 of PSGE's response shows that, under PSGE's proposed plan to address maintenance lags, the average open notification age will remain at or under two years. Under PSGE's previously proposed plan, the average open notification age would reach 4.5 years.</p> <p>a) Has PSGE performed a study or analysis of the average number of days that notification will be overdue (per QC 2-23 (Revised) under its proposed (in PSGE's response) and previous (in PSGE's March 2023 WMP) plans to address overdue maintenance?</p> <p>b) If the answer to part (a) is yes, please provide a table or figure to show the average number of days that maintenance lags will be overdue under the plans proposed in PSGE's March 2023 WMP and in PSGE's response.</p>	<p>RMP/PSGE-23-04 Table RMP/PSGE-23-04-1 on page 46 of PSGE's response shows that, under PSGE's proposed plan to address maintenance lags, the average open notification age will remain at or under two years. Under PSGE's previously proposed plan, the average open notification age would reach 4.5 years.</p> <p>a) Has PSGE performed a study or analysis of the average number of days that notification will be overdue (per QC 2-23 (Revised) under its proposed (in PSGE's response) and previous (in PSGE's March 2023 WMP) plans to address overdue maintenance?</p> <p>b) If the answer to part (a) is yes, please provide a table or figure to show the average number of days that maintenance lags will be overdue under the plans proposed in PSGE's March 2023 WMP and in PSGE's response.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.0	Grid Operations and Procedures	NA
432	CaPA	Sat WMP-28	CaPA_Sat WMP-28	11	CaPA_Sat WMP-28_11	<p>RMP/PSGE-23-04 Footnote 16 on page 52 of PSGE's response states, "PSGE will develop a risk spend efficiency by isolation zone bundles and not for individual lags. We will identify groups of QC notifications in an isolation zone bundle to a circuit protection zone and sum the wildfire risk from those notifications. That sum will be divided by the sum of the average unit cost of those same notifications by part a risk spend efficiency by isolation zone bundles."</p> <p>a) How will PSGE determine the wildfire risk of individual notifications?</p> <p>b) How will PSGE determine the unit cost of individual notifications?</p>	<p>RMP/PSGE-23-04 Footnote 16 on page 52 of PSGE's response states, "PSGE will develop a risk spend efficiency by isolation zone bundles and not for individual lags. We will identify groups of QC notifications in an isolation zone bundle to a circuit protection zone and sum the wildfire risk from those notifications. That sum will be divided by the sum of the average unit cost of those same notifications by part a risk spend efficiency by isolation zone bundles."</p> <p>a) How will PSGE determine the wildfire risk of individual notifications?</p> <p>b) How will PSGE determine the unit cost of individual notifications?</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.0	Grid Operations and Procedures	NA
433	CaPA	Sat WMP-28	CaPA_Sat WMP-28	12	CaPA_Sat WMP-28_12	<p>RMP/PSGE-23-04 PSGE states that an isolation zone is "similar to a circuit protection zone" (footnote 16 on page 52).</p> <p>a) Define "isolation zone."</p> <p>b) Is an isolation zone identical to a circuit protection zone?</p> <p>c) If the answer to part (b) is no, describe the difference.</p>	<p>RMP/PSGE-23-04 PSGE states that an isolation zone is "similar to a circuit protection zone" (footnote 16 on page 52).</p> <p>a) Define "isolation zone."</p> <p>b) Is an isolation zone identical to a circuit protection zone?</p> <p>c) If the answer to part (b) is no, describe the difference.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.0	Grid Operations and Procedures	NA
434	CaPA	Sat WMP-28	CaPA_Sat WMP-28	13	CaPA_Sat WMP-28_13	<p>RMP/PSGE-23-04 Page 55 of PSGE's response states, with regard to field safety measurements, "Inspection can also recommend a notification be cancelled if they believe it was created in error or if it was already completed."</p> <p>a) Describe the process by which an inspector determines that a notification should be cancelled, do any additional checks or verifications take place prior to cancelling the notification?</p> <p>b) If the answer to part (a) is no, describe such additional checks or verifications.</p> <p>c) If the answer to part (b) is no, explain why not.</p>	<p>RMP/PSGE-23-04 Page 55 of PSGE's response states, with regard to field safety measurements, "Inspection can also recommend a notification be cancelled if they believe it was created in error or if it was already completed."</p> <p>a) Describe the process by which an inspector determines that a notification should be cancelled, do any additional checks or verifications take place prior to cancelling the notification?</p> <p>b) If the answer to part (a) is no, describe such additional checks or verifications.</p> <p>c) If the answer to part (b) is no, explain why not.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.0	Grid Operations and Procedures	NA

435	CAFA	Sat WMP-28	CaPA_Sat WMP-28	14	CaPA_Sat WMP-28_014	<p>RP/PG&amp;E-23-04 Table RP/PG&amp;E-23-04 on page 67 of PG&amp;E's response addresses PG&amp;E's low 700 level test logs in 2023. 54,500 level test logs in 2024 and 55,700 level test logs in 2025. a) State the basis for the reduced number of level 2 tests PG&amp;E forecasts being completed in 2024 and 2025 compared to 2023.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
436	CAFA	Sat WMP-28	CaPA_Sat WMP-28	15	CaPA_Sat WMP-28_015	<p>RP/PG&amp;E-23-04 Page 68 of PG&amp;E's response states, "For example, we have found certain topics such as, actions within test level of an insulator, and number of actions per span that are not passed increased call of options. Instead of issuing a non-ignition risk maintenance tag, the actions are better addressed by the asset management team as they are a component of a healthy asset health issue." a) Describe the asset management team call back options if a maintenance tag is not issued. b) Describe the circumstances under which PG&amp;E would issue a maintenance tag that is not passed on ignition risk and not a maintenance tag. c) How does PG&amp;E's asset management team use actions as an indicator of "holistic asset health" and under what circumstances does the asset management team take action based on this indicator?</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
437	CAFA	Sat WMP-28	CaPA_Sat WMP-28	16	CaPA_Sat WMP-28_016	<p>RP/PG&amp;E-23-05 Page 88 of PG&amp;E's response states, "There are 79 circuit segments that are not included in an underground plan and have not been hardened. In places of these circuit segments, PG&amp;E shows an all different circuit segments to the portfolio that could be undergrounded more efficiently. PG&amp;E manages wildfire risk on these 79 circuit segments through our portfolio of Comprehensive Monitoring and Data Collection and Operational Mitigation Description." a) Has PG&amp;E considered overhead hardening on the 79 circuit segments described in the Operational Mitigation Description to part (a) or (b), why did PG&amp;E not consider overhead hardening as an mitigation for these 79 circuit segments? b) If the answer to part (a) is no, explain why not.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
438	CAFA	Sat WMP-28	CaPA_Sat WMP-28	17	CaPA_Sat WMP-28_017	<p>RP/PG&amp;E-23-05 Table RP/PG&amp;E-23-05-2 on page 72 of PG&amp;E's response compares the mileage in the top 20% of WFE, the top 50% of WORM, and the top 20% of WORM-02. a) Is our understanding from PG&amp;E's response to ACI PG&amp;E-23-04 in its 2023-2023 WMP that the list of circuit segments under WFE is based on the risk score from WORM-02 and the healthiness score of undergrounding in other words, in the formula below, the WORM-02 risk score appears in the numerator and the healthiness of undergrounding appears in the denominator? b) Please confirm or correct the understanding stated above. c) Does the list of circuit segments selected for WFE responsive risk scores from WORM-02? If yes, describe how so.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
439	CAFA	Sat WMP-28	CaPA_Sat WMP-28	18	CaPA_Sat WMP-28_018	<p>RP/PG&amp;E-23-05 Page 73 of PG&amp;E's response states, "Based on our further evaluation, the preliminary updated mitigation effectiveness for undergrounding, considering the residual risk from excavation and service lines, is approximately 97 percent compared to the 99 percent." a) Describe how PG&amp;E calculated the effectiveness of 97 percent. b) Provide supporting data and worksheets for your response to part (a).</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	1	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management and Inspections
440	CAFA	Sat WMP-28	CaPA_Sat WMP-28	19	CaPA_Sat WMP-28_019	<p>RP/PG&amp;E-23-07 Page 103 of PG&amp;E's response states, "The TAT was developed to fit the scope of the EVM Program. With the conclusion of EVM, PG&amp;E has decided to discontinue the use of the TAT and will be moving forward with utility driven work, beginning in 2024. The scope of FTI will be similar to the scope of EVM (approximately 1800 miles). PG&amp;E will not be using the TAT to assess the risk of the TAT to non-FTI assets." a) Describe the work in which the TAT and FTI are similar. b) Describe the assessment process for the completion of FTI for the 2017 FTI. B&amp;B. c) Please see the response to part B of this question.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	2	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management and Inspections
441	CAFA	Sat WMP-28	CaPA_Sat WMP-28	20	CaPA_Sat WMP-28_020	<p>RP/PG&amp;E-23-07 Page 104 of PG&amp;E's response states, "Given that we began working with the ISA TRAQ in 2023, data does not exist to objectively compare effectiveness differences between ISA TRAQ and the TAT." a) Describe how PG&amp;E will perform a study or analysis to compare the effectiveness of the TAT and the ISA TRAQ? This may include, for example, performing a subset of FTI work using both tools. b) If the answer to part (a) is no, please describe the study PG&amp;E plans to perform, and the data PG&amp;E plans to conduct the study. c) If the answer to part (a) is no, please describe why not.</p>	Holly Whitman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management and Inspections
442	OBIS	011	OBIS_011	1	OBIS_011_01	<p>Regarding distribution detailed ground inspections a. On page 464 of its revised WMP, PG&amp;E states that it will start from inspecting all FTID 3 distribution assets annually and for 2 assets every three years, to inspecting assets and where appropriate plan more annually and high consequence assets every two years. b. Page 465 located in FTID 3a.1. c. Please provide the number of assets/structures (using the same asset/structure definition as WMP 19 table 8.1.3, page 465) located in FTID 3a.2.</p>	Delecia Smith	8/16/2023	8/23/2023	8/23/2023	0	NA	8.1.3.2.1	Asset Inspections	Detailed Ground Inspection
443	OBIS	011	OBIS_011	2	OBIS_011_02	<p>Regarding PG&amp;E's Grid Design and Maintenance Quality Control a. In the Revision Notice Response, PG&amp;E states that it is "working to integrate QC with [its] execution processes. The approach will create real-time learning to correct and guide workers..." and that minimum sample sizes and pass rate targets "would mirror PG&amp;E's Reliability" (Page 35). b. Describe the approach, including the similarities and differences from the current and previous approach to QC. c. Provide the timeline for integrating the approach. d. Provide the estimated sample size for the approach. These sample sizes may differ represent physical assets PG&amp;E will QC per year (e.g., PG&amp;E will QC 1,000 circuit miles each year of the WMP cycle), or how PG&amp;E determines the sample size for QC (i.e., the criteria for when and where PG&amp;E performs QC). e. Describe any performance metrics PG&amp;E has developed related to the approach and any targets for performance for 2023-2025. f. Explain why PG&amp;E can provide real-time data pass rate results for its QC program (Table RP/PG&amp;E-23-02-1) but not pass rate targets for the 2023-2025 WMP cycle.</p>	Delecia Smith	8/16/2023	8/23/2023	8/23/2023	0	NA	8.1.6	Quality Assurance and Quality Control	NA
444	OBIS	011	OBIS_011	3	OBIS_011_03	<p>Regarding PG&amp;E's Vegetation Management Quality Control a. In the Revision Notice Response, PG&amp;E states that it is "working to integrate QC with [its] execution processes. The approach will create real-time learning to correct and guide workers..." and that minimum sample sizes and pass rate targets "would mirror PG&amp;E's Reliability" (Page 35). b. Describe the approach, including the similarities and differences from the current and previous approach to QC. c. Provide the timeline for integrating the approach. d. Provide the estimated sample size for the approach. These sample sizes may differ represent physical assets PG&amp;E will QC per year (e.g., PG&amp;E will QC 1,000 circuit miles each year of the WMP cycle), or how PG&amp;E determines the sample size for QC (i.e., the criteria for when and where PG&amp;E performs QC). e. Describe any performance metrics PG&amp;E has developed related to the approach and any targets for performance for 2023-2025. f. Explain why PG&amp;E can provide real-time data pass rate results for its QC program (Table RP/PG&amp;E-23-02-1) but not pass rate targets for the 2023-2025 WMP cycle.</p>	Delecia Smith	8/16/2023	8/23/2023	8/23/2023	0	NA	8.1.6	Quality Assurance and Quality Control	NA





483	MORA	Data Request No. 7	MORA_Data Request No. 7	2	MORA_Data Request No. 7_C2	<p>How ingress and egress concerns determined solely by the potential for falling poles or does the PSS team also analyze the potential for entrapment by fast moving utilities and/or conductors?</p> <p>PNED - When PG&amp;E conducted the EASOP analysis, our PSS team members reviewed each system hardware project during the scoring process to determine if ingress/egress issues existed at the site. Given the time and effort required to create the types of analyses, PG&amp;E is limited using a PSS team member reviewing each of the 2023-2024 projects when selected by WDRM v3. PG&amp;E is using the PSS score for each circuit and applying it to each segment on that circuit. If the PSS score for a circuit is high (score &gt; 100), then the model considers there to be an ingress/egress risk on each of the segments that make up that circuit.</p>	<p>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 wildland fire including:</p> <ul style="list-style-type: none"> <li>• Population density</li> <li>• Time of day (there are differences between excavating communities at night when most people are at home compared to during the day when fewer people are at home)</li> <li>• Amount of the public would need to evacuate or shelter in place</li> <li>• Mitigations and information made available to public</li> <li>• Road characteristics (e.g., road size, number of lanes, type of surface, destination)</li> <li>• Fuel (type along an evacuation corridor (e.g., grass vs. brush vs. timber))</li> <li>• Weather/Weather conditions (e.g., wet flag days including high temperatures, low winds, low relative humidity)</li> <li>• Topography/Terrain (do evacuation routes provide protection in range due to slope, elevation, drainage, and other things along a corridor which are often associated with electric infrastructure)</li> <li>• Human factors (e.g., ability, special needs, evacuating large and small paths, knowledge or awareness of options being in high fire hazard areas)</li> <li>• Location of overhead electrical assets (e.g., poles proximate to the road's shoulder and conductor clearance over those ingress/egress thoroughfares should they become impacted by fire and fall onto the evacuation corridor)</li> <li>• Traffic/flow issues (e.g., number, type, size of emergency vehicles, etc.)</li> </ul> <p>a. The number of hardening projects per circuit varies depending on the length of the circuit, the number of circuit protection zones on the circuit, the load, and the needs of the circuit. There is no average distribution. Please note that the PSS score is not the sole driver for any mitigation decision and is only a driver for the inclusion of a circuit segment to be included in the portfolio. A more detailed PSS review is conducted within the scoring process to understand the specific needs within a project.</p> <p>b. The portion of the circuit taken up by a hardening project varies by circuit and depends on the risk distribution within the circuit and the needs of the circuit. There is no average distribution. CPZ system hardening projects can range from less than 1 mile to more than 10 miles. The decision for specific mitigation alternatives is typically made at a sub-project level. Because of this, a knowledge of the circuit a hardening project is not critical in the determination of the value of the PSS score.</p> <p>c. PG&amp;E reserves the right to re-evaluate the qualification for the PSS score. PG&amp;E score is based on a PSS Circuit Based Risk Assessment. A copy of the PSS assessment form, score sheet, and risk matrix is attached "WMP_Document023_DR_MORA_0070003And01.xlsx". In response to Question 1 of the WMP Update, PG&amp;E will provide the qualifications for the PSS score.</p> <p>Only when PSS team members were qualified by PG&amp;E's Wildfire Governance (Professional Wildland Firefighting Agencies).</p> <p>• Experience as members of a Local, State, or Federal Incident Management Team.</p> <p>PSS scores do not compare to WDRM v3 risk scores. The PSS score was used as a supplemental review of risk that was not identified by or qualified by WDRM v3.</p> <p>d. The PSS score is an independent element. The PSS score was used to advance risk into the portfolio, but the portfolio was not the final risk score.</p>	Joseph Mitchell	10/20/23	10/1/2023	10/1/2023	0	NA	8.1.3	Asset Inspections	NA
484	MORA	Data Request No. 7	MORA_Data Request No. 7	3	MORA_Data Request No. 7_C3	<p>How representative is the primary PSS score of the entire circuit? Specifically, a. How many hardening projects are there per circuit? Provide a distribution if possible. b. What factors does the hardening project typically take up of the circuit? Provide a distribution if possible. c. Show how EPS scores are determined and how these compare against WDRM v3. d. In PSS ingress/egress scoring used as an element incorporated into the risk model or is used as an independent decision tree branch?</p> <p>Provide the factors for cases where a risk is the primary determinant.</p> <p>Provide the factors for cases where PSS ingress/egress was only one of many factors used in the determination of WDRM v3.</p>	<p>a. The number of hardening projects per circuit varies depending on the length of the circuit, the number of circuit protection zones on the circuit, the load, and the needs of the circuit. There is no average distribution. Please note that the PSS score is not the sole driver for any mitigation decision and is only a driver for the inclusion of a circuit segment to be included in the portfolio. A more detailed PSS review is conducted within the scoring process to understand the specific needs within a project.</p> <p>b. The portion of the circuit taken up by a hardening project varies by circuit and depends on the risk distribution within the circuit and the needs of the circuit. There is no average distribution. CPZ system hardening projects can range from less than 1 mile to more than 10 miles. The decision for specific mitigation alternatives is typically made at a sub-project level. Because of this, a knowledge of the circuit a hardening project is not critical in the determination of the value of the PSS score.</p> <p>c. PG&amp;E reserves the right to re-evaluate the qualification for the PSS score. PG&amp;E score is based on a PSS Circuit Based Risk Assessment. A copy of the PSS assessment form, score sheet, and risk matrix is attached "WMP_Document023_DR_MORA_0070003And01.xlsx". In response to Question 1 of the WMP Update, PG&amp;E will provide the qualifications for the PSS score.</p> <p>Only when PSS team members were qualified by PG&amp;E's Wildfire Governance (Professional Wildland Firefighting Agencies).</p> <p>• Experience as members of a Local, State, or Federal Incident Management Team.</p> <p>PSS scores do not compare to WDRM v3 risk scores. The PSS score was used as a supplemental review of risk that was not identified by or qualified by WDRM v3.</p> <p>d. The PSS score is an independent element. The PSS score was used to advance risk into the portfolio, but the portfolio was not the final risk score.</p>	Joseph Mitchell	10/20/23	10/1/2023	10/1/2023	1	NA	8.1.3	Asset Inspections	NA
485	CaPA	Set WMP-30	CaPA_Set WMP-30	1	CaPA_Set WMP-30_C1	<p>This data request relates to PG&amp;E's Wildfire Distribution Risk Model version 4 (herein referred to as "WDRM v4"). If any of the requested documents or information is not yet complete and available, please state in your response when you expect the documents or information to be complete and available.</p> <p>Provide a GIS file that details the risk scores generated by PG&amp;E's WDRM v4. For example, WDRM v3 generated 17 different risk scores.</p> <p>For each risk score in part (a), please provide a category or brief description of the type of risk the score represents.</p> <p>For each risk score in part (a), please provide a brief explanation of how PG&amp;E intends to use that risk score.</p> <p>For each risk score in part (a), please list all PG&amp;E wildfire mitigation initiatives that are informed by that risk score.</p> <p>For each risk score in part (a), please state the most granular level available for that risk score. For example, in WDRM v3, the most granular level available would be the risk scores associated with individual 100m x 100m grids.</p> <p>For each risk score in part (a), please state the granularity of which the risk score is used to inform wildfire mitigation initiatives (e.g., overall segment, circuit, individual asset, etc.).</p>	<p>a) - (1) The Wildfire Distribution Risk Model (WDRM v4) is not currently available. PG&amp;E plans to make the model information available with the 2025 WMP Update.</p>	Holly Weisman	10/11/2023	10/25/2023	10/23/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
486	CaPA	Set WMP-30	CaPA_Set WMP-30	2	CaPA_Set WMP-30_C2	<p>This data request relates to PG&amp;E's Wildfire Distribution Risk Model version 4 (herein referred to as "WDRM v4"). If any of the requested documents or information is not yet complete and available, please state in your response when you expect the documents or information to be complete and available.</p> <p>Provide a GIS file that details the risk scores generated by PG&amp;E's WDRM v4. For example, WDRM v3 generated 17 different risk scores.</p> <p>For each risk score in part (a), please provide a category or brief description of the type of risk the score represents.</p> <p>For each risk score in part (a), please provide a brief explanation of how PG&amp;E intends to use that risk score.</p> <p>For each risk score in part (a), please list all PG&amp;E wildfire mitigation initiatives that are informed by that risk score.</p> <p>For each risk score in part (a), please state the most granular level available for that risk score.</p> <p>For each risk score in part (a), please state the granularity of which the risk score is used to inform wildfire mitigation initiatives (e.g., overall segment, circuit, individual asset, etc.).</p>	<p>a) - (1) As stated in the response to Question 001, the WDRM v4 is not currently available. PG&amp;E plans to make the model information available with the 2025 WMP Update.</p>	Holly Weisman	10/11/2023	10/25/2023	10/23/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
487	CaPA	Set WMP-30	CaPA_Set WMP-30	3	CaPA_Set WMP-30_C3	<p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&amp;E's responses to questions 1 and 2 above.</p> <p>Please provide a GIS file that details the most granular level (as discussed in questions 1(a) and 2(a)) available for each risk score identified in questions 1(a) and 2(a). The file should contain the following:</p> <ul style="list-style-type: none"> <li>a) Geometric features detailing the relevant geometry for each risk score. This may be polygons that depict "points," lines that depict circuit segments, points that depict assets, or other geometry that best suits the relevant risk scores. If multiple risk scores share geometry (e.g., multiple risk scores that are used to inform mitigation measures at the circuit segment level), there is no need to include multiple layers that depict the same physical geometry.</li> <li>b) For each geometric feature, please include all relevant risk scores from questions 1(a) and 2(a) as attributes.</li> <li>c) For each geometric feature, include the circuit identification number as an attribute.</li> <li>d) For each geometric feature, include the circuit name as an attribute.</li> <li>e) For each geometric feature, include the circuit segment name as an attribute.</li> <li>f) As required, include unique identification for each geometric feature (e.g., asset ID, substation name, etc.).</li> </ul> <p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&amp;E's responses to questions 1 and 2 above.</p> <p>Please provide a spreadsheet that lists (in rows) each circuit segment that is included in the Wildfire Distribution Risk Model v4. The spreadsheet should include, at minimum, the following columns:</p> <ul style="list-style-type: none"> <li>a) Name or ID number of each circuit segment.</li> <li>b) Circuit name for the circuit that each segment is part of.</li> <li>c) Circuit ID for the circuit that each segment is part of.</li> <li>d) Neutral voltage.</li> </ul> <p>The total cost of the circuit segment. (CA) Advertiser understands this to be the number of 100m x 100m grids analyzed by the WDRM v4 along the length of the circuit segment.</p> <p>The average risk value(s) associated with each cost along the circuit segment. (In previous versions of the risk model, the "new" referred to as the "mean NAV" cost rate or "mean risk").</p> <p>Total circuit-miles on the circuit segment.</p> <p>Total overhead circuit-miles on the circuit segment.</p> <p>Total non-HTD overhead circuit-miles on the circuit segment.</p> <p>Total Tier 2 overhead circuit-miles on the circuit segment.</p> <p>Total Tier 3 overhead circuit-miles on the circuit segment.</p> <p>Total underground circuit-miles on the circuit segment.</p> <p>Total asset HTD underground circuit-miles on the circuit segment.</p>	<p>a) - (1) As stated in the response to Questions 001 - 002, the WDRM v4 is not currently available. PG&amp;E plans to make the model information available with the 2025 WMP Update.</p>	Holly Weisman	10/11/2023	10/25/2023	10/23/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
488	CaPA	Set WMP-30	CaPA_Set WMP-30	4	CaPA_Set WMP-30_C4	<p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&amp;E's responses to questions 1 and 2 above.</p> <p>Please provide a GIS file that details the risk scores of the same granularity that is currently used to inform wildfire mitigation measures (as discussed in questions 1(a) and 2(a)). The file should contain the following:</p> <ul style="list-style-type: none"> <li>a) Geometric features detailing the relevant geometry for each risk score. This may be polygons that depict "points," lines that depict circuit segments, points that depict assets, or other geometry that best suits the relevant risk scores. If multiple risk scores share geometry (e.g., multiple risk scores that are used to inform mitigation measures at the circuit segment level), there is no need to include multiple layers that depict the same physical geometry.</li> <li>b) For each geometric feature, please include all relevant risk scores from questions 1(a) and 2(a) as attributes.</li> <li>c) For each geometric feature, include the circuit identification number as an attribute.</li> <li>d) For each geometric feature, include the circuit name as an attribute.</li> <li>e) For each geometric feature, include the circuit segment name as an attribute.</li> <li>f) As required, include unique identification for each geometric feature (e.g., asset ID, substation name, etc.).</li> </ul> <p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&amp;E's responses to questions 1 and 2 above.</p> <p>Please provide a spreadsheet that lists (in rows) each circuit segment that is included in the Wildfire Distribution Risk Model v4. The spreadsheet should include, at minimum, the following columns:</p> <ul style="list-style-type: none"> <li>a) Name or ID number of each circuit segment.</li> <li>b) Circuit name for the circuit that each segment is part of.</li> <li>c) Circuit ID for the circuit that each segment is part of.</li> <li>d) Neutral voltage.</li> </ul> <p>The total cost of the circuit segment. (CA) Advertiser understands this to be the number of 100m x 100m grids analyzed by the WDRM v4 along the length of the circuit segment.</p> <p>The average risk value(s) associated with each cost along the circuit segment. (In previous versions of the risk model, the "new" referred to as the "mean NAV" cost rate or "mean risk").</p> <p>Total circuit-miles on the circuit segment.</p> <p>Total overhead circuit-miles on the circuit segment.</p> <p>Total non-HTD overhead circuit-miles on the circuit segment.</p> <p>Total Tier 2 overhead circuit-miles on the circuit segment.</p> <p>Total Tier 3 overhead circuit-miles on the circuit segment.</p> <p>Total underground circuit-miles on the circuit segment.</p> <p>Total asset HTD underground circuit-miles on the circuit segment.</p>	<p>a) - (1) As stated in the response to Questions 001 - 003, the WDRM v4 is not currently available. PG&amp;E plans to make the model information available with the 2025 WMP Update.</p>	Holly Weisman	10/11/2023	10/25/2023	10/23/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA
489	CaPA	Set WMP-30	CaPA_Set WMP-30	5	CaPA_Set WMP-30_C5	<p>The following questions refer to the risk scores generated from WDRM v4. This should be understood to refer to PG&amp;E's responses to questions 1 and 2 above.</p> <p>Please provide a spreadsheet that lists (in rows) each circuit segment that is included in the Wildfire Distribution Risk Model v4. The spreadsheet should include, at minimum, the following columns:</p> <ul style="list-style-type: none"> <li>a) Name or ID number of each circuit segment.</li> <li>b) Circuit name for the circuit that each segment is part of.</li> <li>c) Circuit ID for the circuit that each segment is part of.</li> <li>d) Neutral voltage.</li> </ul> <p>The total cost of the circuit segment. (CA) Advertiser understands this to be the number of 100m x 100m grids analyzed by the WDRM v4 along the length of the circuit segment.</p> <p>The average risk value(s) associated with each cost along the circuit segment. (In previous versions of the risk model, the "new" referred to as the "mean NAV" cost rate or "mean risk").</p> <p>Total circuit-miles on the circuit segment.</p> <p>Total overhead circuit-miles on the circuit segment.</p> <p>Total non-HTD overhead circuit-miles on the circuit segment.</p> <p>Total Tier 2 overhead circuit-miles on the circuit segment.</p> <p>Total Tier 3 overhead circuit-miles on the circuit segment.</p> <p>Total underground circuit-miles on the circuit segment.</p> <p>Total asset HTD underground circuit-miles on the circuit segment.</p>	<p>a) - (1) As stated in the response to Questions 001 - 004, the WDRM v4 is not currently available. PG&amp;E plans to make the model information available with the 2025 WMP Update.</p>	Holly Weisman	10/11/2023	10/25/2023	10/23/2023	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	NA



Pre-Discovery ID	CAIPA	Sat WMP-01	CaIPA_Sat WMP-01_03	3	CaIPA_Sat WMP-01_03	Provide a copy of all documents or files that are referenced in your WMP Quarterly Data Reports and submitted to Energy Safety (including but not limited to PDFs, excel data files, conceptual data files, and confidential attachments) on the same business day that the document is sent to Energy Safety.	Holly Whitman	2/17/2023	2/14/2023	2/14/2023	0	NA	NA	NA	NA	
Pre-Discovery 04	CAIPA	Sat WMP-01	CaIPA_Sat WMP-01_04	4	CaIPA_Sat WMP-01_04	Provide a copy of Cal Affidavits of all your confidential responses to WMP discovery requests, on the same business day that you send them to Energy Safety. This includes: a) Confidential responses to WMP discovery requests issued by Energy Safety. b) Confidential responses to WMP discovery requests issued by other entities.	Holly Whitman	2/17/2023	2/14/2023	2/14/2023	0 <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td>	NA	NA	NA	NA	
Pre-Discovery 05	CAIPA	Sat WMP-02	CaIPA_Sat WMP-02_01	1	CaIPA_Sat WMP-02_01	Please identify and provide a copy of all quality assurance or quality control (QA/QC) reports conducted by internal entities that were completed since January 1, 2022 that document any programs, initiatives, or strategies described in your 2022 WMP Update.	Holly Whitman	2/17/2023	3/7/2023	3/7/2023	6	NA	NA	NA	NA	
Pre-Discovery 06	CAIPA	Sat WMP-02	CaIPA_Sat WMP-02_02	2	CaIPA_Sat WMP-02_02	Please identify and provide a copy of all quality assurance or quality control (QA/QC) reports conducted by internal entities that were completed since January 1, 2022 that document any programs, initiatives, or strategies described in your 2022 WMP Update. External audits include, but are not limited to, compliance, construction, condition, and/or reliability.	Holly Whitman	2/17/2023	3/7/2023	3/7/2023	1	NA	NA	NA	NA	
Pre-Discovery 07	CAIPA	Sat WMP-02	CaIPA_Sat WMP-02_03	3	CaIPA_Sat WMP-02_03	Provide an Excel table of all defects in the year 2022 found by Energy Safety's Compliance Branch (as needs) that includes the following information in separate columns: a) Accroded name b) Date c) Description of defect d) Cause e) Risk that the defect was identified f) Date that the defect was fixed g) If the defect has not yet been corrected as of the issuance date of this data request, a brief explanation h) Priority of the defect i) Geographic latitude of defect in decimal degrees, truncated to seven decimal places j) Geographic latitude of defect in decimal degrees, truncated to seven decimal places	Holly Whitman	2/17/2023	2/22/2023	2/22/2023	1	NA	8.1.3	Asset Inspections	NA	
Pre-Discovery 08	CAIPA	Sat WMP-03	CaIPA_Sat WMP-03_01	1	CaIPA_Sat WMP-03_01	Provide an Excel table of all distribution circuits existing as of January 1, 2023 (as new) that includes the following information in separate columns: a. Circuit name b. Circuit ID number c. Total circuit miles d. Circuit miles in Non-HFTid Aweas e. Circuit miles in Other HFTid f. Circuit miles in HFTid Tier 2 g. Circuit miles in HFTid Tier 3 h. Circuit voltage i. Total customer-miles of de-energization on the circuit due to PSPS events in 2022 (sum of customer-miles across all PSPS events) j. Total customer-miles of de-energization on the circuit due to PSPS events in 2022 (sum of customer-miles across all PSPS events) k. Number of support structures replaced in Non-HFTid in 2021 l. Number of support structures replaced in Other HFTid in 2021 m. Number of support structures replaced in HFTid Tier 2 in 2021 n. Number of support structures replaced in HFTid Tier 3 in 2021 o. Miles of LDMR inspection in Non-HFTid in 2021 p. Miles of LDMR inspection in Other HFTid in 2021 q. Miles of LDMR inspection in HFTid Tier 2 in 2021 r. Miles of LDMR inspection in HFTid Tier 3 in 2021 s. Miles of LDMR inspection in HFTid Tier 2 in 2021 t. Miles of LDMR inspection in HFTid Tier 3 in 2021	Holly Whitman	2/17/2023	3/10/2023	3/10/2023	2	NA	8.1.3	Asset Inspections	Distribution	
Pre-Discovery 09	CAIPA	Sat WMP-03	CaIPA_Sat WMP-03_02	2	CaIPA_Sat WMP-03_02	Provide an Excel table of all distribution circuits existing as of January 1, 2023 (as new) that includes the following information in separate columns: a. Circuit name b. Circuit ID number c. Total circuit miles d. Circuit miles in Non-HFTid Aweas e. Circuit miles in Other HFTid f. Circuit miles in HFTid Tier 2 g. Circuit miles in HFTid Tier 3 h. Circuit voltage i. Total customer-miles of de-energization on the circuit due to PSPS events in 2022 (sum of customer-miles across all PSPS events) j. Total customer-miles of de-energization on the circuit due to PSPS events in 2022 (sum of customer-miles across all PSPS events) k. Number of support structures replaced in Non-HFTid in 2021 l. Number of support structures replaced in Other HFTid in 2021 m. Number of support structures replaced in HFTid Tier 2 in 2021 n. Number of support structures replaced in HFTid Tier 3 in 2021 o. Miles of LDMR inspection in Non-HFTid in 2021 p. Miles of LDMR inspection in Other HFTid in 2021 q. Miles of LDMR inspection in HFTid Tier 2 in 2021 r. Miles of LDMR inspection in HFTid Tier 3 in 2021 s. Miles of LDMR inspection in HFTid Tier 2 in 2021 t. Miles of LDMR inspection in HFTid Tier 3 in 2021	Holly Whitman	2/17/2023	3/10/2023	3/10/2023	0	NA	8.1.3	Asset Inspections	Transmission	
Pre-Discovery 10	CAIPA	Sat WMP-03	CaIPA_Sat WMP-03_03	3	CaIPA_Sat WMP-03_03	Provide an Excel table of all distribution circuits existing as of January 1, 2023 (as new) that were removed or decommissioned in 2022, either partially or entirely. This includes permanent removal, removal of overhead lines that were removed underground, or overhead lines that were decommissioned but not physically removed. Include the following information in separate columns: a. Circuit name b. Circuit ID number c. Circuit miles removed or decommissioned in Non-HFTid Aweas d. Circuit miles removed or decommissioned in Other HFTid e. Circuit miles removed or decommissioned in HFTid Tier 2 f. Circuit miles removed or decommissioned in HFTid Tier 3 g. Reasons for removal or decommissioning	Holly Whitman	2/17/2023	3/10/2023	3/10/2023	1	NA	8.1.2	Grid Design and System Hardening	Work Performed in 2022	
Pre-Discovery 11	CAIPA	Sat WMP-03	CaIPA_Sat WMP-03_04	4	CaIPA_Sat WMP-03_04	Provide an Excel table of all transmission circuits existing as of January 1, 2023 (as new) that were removed or decommissioned in 2022, either partially or entirely. This includes permanent removal, removal of overhead lines that were removed underground, or overhead lines that were decommissioned but not physically removed. Include the following information in separate columns: a. Circuit name b. Circuit ID number c. Circuit miles removed or decommissioned in Non-HFTid Aweas d. Circuit miles removed or decommissioned in Other HFTid e. Circuit miles removed or decommissioned in HFTid Tier 2 f. Circuit miles removed or decommissioned in HFTid Tier 3 g. Reasons for removal or decommissioning	Holly Whitman	2/17/2023	3/10/2023	3/10/2023	1	NA	8.1.2	Grid Design and System Hardening	System Hardening	Work Performed in 2022



Pre-Discovery 17	CaPA	Sat WMP-03	CaPA_Sat WMP-03	10	CaPA_Sat WMP-03_010	<p>For each WMP Initiative listed below, please state how the modified Wildlife Risk Scores for each circuit or physical infrastructure line work in 2024 will be supported:</p> <p>a. EVM</p> <p>b. Circuit conductor installation</p> <p>c. Distribution substation</p> <p>d. Underpinning</p> <p>e. Distribution and replacement</p> <p>f. Grid consolidation</p> <p>g. Distribution network</p> <p>h. Detailed inspections of transmission assets</p> <p>i. Asset inspections of distribution assets</p> <p>j. Detailed inspections of transmission assets</p> <p>k. Asset inspections of distribution assets</p> <p>l. LDMR inspections of distribution assets</p> <p>m. LDMR inspections of transmission assets</p>	<p>a. PG&amp;E is not conducting EVM in 2024.</p> <p>b. Please refer to the responses to Question 8b, which also applies to 2024.</p> <p>c. Please refer to the responses to Question 8c, which also applies to 2024.</p> <p>d. Please refer to the responses to Question 8d, which also applies to 2024.</p> <p>e. There is no targeted work planned in 2024 for grid consolidation for both transmission and distribution.</p> <p>f. In 2024, PG&amp;E's inspections for ground inspection plans will be informed by wildlife consequences as described in 2022 WMP Section 8.1.3.2.1. Detailed inspection activities in HP and DP are scheduled such that animals, servers, and other consequential plant risks will be completed by October 31. Consequence plan maps will be completed by December 31. Inspections are also sequenced based on field conditions including physical access, environmental restrictions, permitting constraints and customer workload.</p> <p>g. In 2024, the combined transmission assets in scope for inspection are exact matched with the average wildlife risk of their circuit for consideration in inspection sequencing. Assets are typically grouped by line for execution efficiency. The sequence prioritization also considers operational field knowledge and constraints, including restricted physical access needed, to inform the schedule for completion.</p> <p>h. In 2024, PG&amp;E's inspections for the pilot animal inspections will not be directly based on wildlife risk scores. However, in case of overlap with detailed ground inspections, assets will be inspected in the same time frame as the scheduled ground inspection, which is based on wildlife consequences.</p> <p>i. Sequencing is based on the scheduled ground inspection as well as operational field knowledge and constraints, including restricted physical access periods. The detailed inspections for ground inspection plans will be informed by wildlife consequences as described in 2022 WMP Section 8.1.3.2.1. Detailed inspection activities in HP and DP are scheduled such that animals, servers, and other consequential plant risks will be completed by October 31. Consequence plan maps will be completed by December 31. Inspections are also sequenced based on field conditions including physical access, environmental restrictions, permitting constraints and customer workload.</p> <p>j. In 2024, the combined transmission assets in scope for inspection are exact matched with the average wildlife risk of their circuit for consideration in inspection sequencing. Assets are typically grouped by line for execution efficiency. The sequence prioritization also considers operational field knowledge and constraints, including restricted physical access needed, to inform the schedule for completion.</p> <p>k. PG&amp;E does not have a stand-alone LDMR distribution inspection program but collects LDMR data on distribution to support various needs, including flight planning for animal and energy audits, such as bird and bat surveys. PG&amp;E did not use the wildlife risk metric in 2022 to select locations to inspect LDMR collection activities.</p> <p>l. PG&amp;E does not have a stand-alone LDMR distribution inspection program but collects LDMR data on distribution to support various needs, including flight planning for animal and energy audits, such as bird and bat surveys. PG&amp;E did not use the wildlife risk metric in 2022 to select locations to inspect LDMR collection activities.</p> <p>m. PG&amp;E does not have a stand-alone LDMR distribution inspection program but collects LDMR data on distribution to support various needs, including flight planning for animal and energy audits, such as bird and bat surveys. PG&amp;E did not use the wildlife risk metric in 2022 to select locations to inspect LDMR collection activities.</p>	Holly Whitman	2/10/2023	3/10/2023	3/10/2023	<a href="https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-03-010">https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-03-010</a>	0	NA	7.2	Wildlife Mitigation Strategy Development	Wildlife Mitigation Strategy
Pre-Discovery 18	CaPA	Sat WMP-04	CaPA_Sat WMP-04	1	CaPA_Sat WMP-04_01	<p>For each WMP Initiative for which you forecast capital expenditures in 2023 to be at least two times actual capital expenditures in 2022, please provide:</p> <p>a) The name of the initiative as it is identified in your 2023-2025 WMP</p> <p>b) The WMP initiative number in Table 11 of your 2023-2025 WMP</p> <p>c) The name of the initiative as it is identified in your 2022 WMP Update</p> <p>d) The WMP initiative number in Table 12 of your 2022 WMP Update</p> <p>e) An explanation for the projected increase.</p>	<p>a) Customer support to wildfire and PSPS emergencies - section 8.4.6</p> <p>b) Traditional Overhead Transmission - section 8.1.2.5</p> <p>c) N/A: An explained a part of this is not an apply-to-apply re-mapping of costs back to the 2022 WMP view. Thus, the comparison can only be made using the 2022 WMP view.</p> <p>d) N/A: Please refer to part a).</p> <p>e) Explanations for the projected increase are below:</p> <ul style="list-style-type: none"> <li>Customer support to wildfire and PSPS emergencies - There was a minor cost adjustment/reduction in the 2022 recorded costs which resulted in a credit/negative in the 2022 recorded costs as shown in Table 11.</li> <li>Traditional Overhead Transmission - The forecast increase in 2023 is mainly driven by anticipated weather station maintenance work such as call centers, labor mitigation - The forecast increase is due to implementing three new VM programs starting in 2023 that support labor mitigation (VM for Operational Mitigation, VM for Remedial Inspection, Escorted Tree Inspection, Pileup and 2024 VM for Energy Safety. As the 2023 WMP is a new cycle with new mapping of forecasts by activities that align with the 2023 narrative, there is not an apply-to-apply re-mapping of costs back to the 2022 WMP view. Thus, the comparison can only be made using the 2022 WMP view.</li> <li>Other technologies and systems not listed above - section 8.1.2.12</li> </ul>	Holly Whitman	2/10/2023	3/7/2023	3/7/2023	<a href="https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-04-01">https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-04-01</a>	0	NA	Section 4.3	Proposed Expenditures	NA
Pre-Discovery 19	CaPA	Sat WMP-04	CaPA_Sat WMP-04	2	CaPA_Sat WMP-04_02	<p>For each WMP Initiative for which you forecast capital expenditures in 2024 to be at least two times actual capital expenditures in 2022, please provide:</p> <p>a) The name of the initiative as it is identified in your 2023-2025 WMP</p> <p>b) The WMP initiative number in Table 11 of your 2023-2025 WMP</p> <p>c) The name of the initiative as it is identified in your 2022 WMP Update</p> <p>d) The WMP initiative number in Table 12 of your 2022 WMP Update</p> <p>e) An explanation for the projected increase.</p>	<p>a) Customer support to wildfire and PSPS emergencies - section 8.4.6</p> <p>b) Traditional Overhead Transmission - section 8.1.2.5</p> <p>c) N/A: An explained a part of this is not an apply-to-apply re-mapping of costs back to the 2022 WMP view. Thus, the comparison can only be made using the 2023 WMP view.</p> <p>d) N/A: Please refer to the responses to part a).</p> <p>e) Explanations for the projected increase are below:</p> <ul style="list-style-type: none"> <li>Customer support to wildfire and PSPS emergencies - There was a minor cost adjustment/reduction in the 2022 recorded costs which resulted in a credit/negative in the 2022 recorded costs as shown in Table 11.</li> <li>Traditional Overhead Transmission - The forecast increase in 2024 is mainly driven by anticipated weather station maintenance work such as call centers, labor mitigation - The forecast increase is due to implementing three new VM programs starting in 2023 that support labor mitigation (VM for Operational Mitigation, VM for Remedial Inspection, Escorted Tree Inspection, Pileup and 2024 VM for Energy Safety. As the 2023 WMP is a new cycle with new mapping of forecasts by activities that align with the 2023 narrative, there is not an apply-to-apply re-mapping of costs back to the 2022 WMP view. Thus, the comparison can only be made using the 2022 WMP view.</li> <li>Other technologies and systems not listed above - section 8.1.2.12</li> </ul>	Holly Whitman	2/10/2023	3/7/2023	3/7/2023	<a href="https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-04-02">https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-04-02</a>	0	NA	Section 4.3	Proposed Expenditures	NA
Pre-Discovery 20	CaPA	Sat WMP-04	CaPA_Sat WMP-04	3	CaPA_Sat WMP-04_03	<p>For each WMP Initiative for which you forecast operating expenditures in 2023 to be at least two times actual operating expenditures in 2022, please provide:</p> <p>a) The name of the initiative as it is identified in your 2023-2025 WMP</p> <p>b) The WMP initiative number in Table 11 of your 2023-2025 WMP</p> <p>c) The name of the initiative as it is identified in your 2022 WMP Update</p> <p>d) The WMP initiative number in Table 12 of your 2022 WMP Update</p> <p>e) An explanation for the projected increase.</p>	<p>a) Customer support to wildfire and PSPS emergencies - section 8.4.6</p> <p>b) Traditional Overhead Transmission - section 8.1.2.5</p> <p>c) N/A: An explained a part of this is not an apply-to-apply re-mapping of costs back to the 2022 WMP view. Thus, the comparison can only be made using the 2023 WMP view.</p> <p>d) N/A: Please refer to the responses to part a).</p> <p>e) Explanations for the projected increase are below:</p> <ul style="list-style-type: none"> <li>Customer support to wildfire and PSPS emergencies - There was a minor cost adjustment/reduction in the 2022 recorded costs which resulted in a credit/negative in the 2022 recorded costs as shown in Table 11.</li> <li>Traditional Overhead Transmission - The forecast increase in 2023 is mainly driven by anticipated weather station maintenance work such as call centers, labor mitigation - The forecast increase is due to implementing three new VM programs starting in 2023 that support labor mitigation (VM for Operational Mitigation, VM for Remedial Inspection, Escorted Tree Inspection, Pileup and 2024 VM for Energy Safety. As the 2023 WMP is a new cycle with new mapping of forecasts by activities that align with the 2023 narrative, there is not an apply-to-apply re-mapping of costs back to the 2022 WMP view. Thus, the comparison can only be made using the 2022 WMP view.</li> <li>Other technologies and systems not listed above - section 8.1.2.12</li> </ul>	Holly Whitman	2/10/2023	3/7/2023	3/7/2023	<a href="https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-04-03">https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-04-03</a>	0	NA	Section 4.3	Proposed Expenditures	NA
Pre-Discovery 21	CaPA	Sat WMP-04	CaPA_Sat WMP-04	4	CaPA_Sat WMP-04_04	<p>For each WMP Initiative for which you forecast operating expenditures in 2024 to be at least two times actual operating expenditures in 2022, please provide:</p> <p>a) The name of the initiative as it is identified in your 2023-2025 WMP</p> <p>b) The WMP initiative number in Table 11 of your 2023-2025 WMP</p> <p>c) The name of the initiative as it is identified in your 2022 WMP Update</p> <p>d) The WMP initiative number in Table 12 of your 2022 WMP Update</p> <p>e) An explanation for the projected increase.</p>	<p>a) Customer support to wildfire and PSPS emergencies - section 8.4.6</p> <p>b) Traditional Overhead Transmission - section 8.1.2.5</p> <p>c) N/A: An explained a part of this is not an apply-to-apply re-mapping of costs back to the 2022 WMP view. Thus, the comparison can only be made using the 2023 WMP view.</p> <p>d) N/A: Please refer to the responses to part a).</p> <p>e) Explanations for the projected increase are below:</p> <ul style="list-style-type: none"> <li>Customer support to wildfire and PSPS emergencies - There was a minor cost adjustment/reduction in the 2022 recorded costs which resulted in a credit/negative in the 2022 recorded costs as shown in Table 11.</li> <li>Traditional Overhead Transmission - The forecast increase in 2024 is mainly driven by anticipated weather station maintenance work such as call centers, labor mitigation - The forecast increase is due to implementing three new VM programs starting in 2023 that support labor mitigation (VM for Operational Mitigation, VM for Remedial Inspection, Escorted Tree Inspection, Pileup and 2024 VM for Energy Safety. As the 2023 WMP is a new cycle with new mapping of forecasts by activities that align with the 2023 narrative, there is not an apply-to-apply re-mapping of costs back to the 2022 WMP view. Thus, the comparison can only be made using the 2022 WMP view.</li> <li>Other technologies and systems not listed above - section 8.1.2.12</li> </ul>	Holly Whitman	2/10/2023	3/7/2023	3/7/2023	<a href="https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-04-04">https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-04-04</a>	0	NA	Section 4.3	Proposed Expenditures	NA
Pre-Discovery 22	CaPA	Sat WMP-05	CaPA_Sat WMP-05	1	CaPA_Sat WMP-05_01	<p>In response to Data Request CallCenter-PGE-2022WMP-01 on September 8, 2022, PG&amp;E provided information regarding its Wildlife Distribution Risk Score version 3 (WDRM v3). Please provide an updated response to Question 1 of the above referenced data request, including any new or changed information since PG&amp;E's original response. If the response to a question has not changed, please so indicate.</p>	<p>No changes have been made to WDRM v3 since the September 8, 2022 response.</p>	Holly Whitman	2/10/2023	3/10/2023	3/10/2023	<a href="https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-05-01">https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-05-01</a>	0	NA	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	WDRM v3
Pre-Discovery 23	CaPA	Sat WMP-05	CaPA_Sat WMP-05	2	CaPA_Sat WMP-05_02	<p>If you have identified transmission conductors where you saw sagging when falling trees or poles could potentially limit spans or other impacts during an event?</p> <p>a) If the answer to part (a) is no, please describe how you identify such transmission conductors.</p> <p>b) If available, please a geospatial data file that contains all current identified transmission conductors with WDRM and WDRMv3 values.</p>	<p>a) The presence of falling trees or poles near identified transmission conductors is not currently reflected in our risk modeling. PG&amp;E Public Safety Specialists with expertise in canopy volume reduction have reviewed spans and/or sagging between adjacent spans to determine if there are any potential impacts on spans or other impacts during an event.</p> <p>b) Not applicable</p>	Holly Whitman	2/10/2023	3/10/2023	3/10/2023	<a href="https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-05-02">https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-05-02</a>	0	NA	8.1.3	Asset Inspections	NA
Pre-Discovery 24	CaPA	Sat WMP-05	CaPA_Sat WMP-05	3	CaPA_Sat WMP-05_03	<p>Please fill out the attached spreadsheet, CallCenter-PGE-2022WMP-05-Attachment 1, requesting information regarding your asset inspections in 2022.</p>	<p>Please see attachment "WMP-Discovery2023_DR_CallCenter-05-000304001.xlsx" for the requested information</p>	Holly Whitman	2/10/2023	3/10/2023	3/10/2023	<a href="https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-05-03">https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-05-03</a>	1	NA	8.1.3	Asset Inspections	Inspections completed in 2022
Pre-Discovery 25	CaPA	Sat WMP-05	CaPA_Sat WMP-05	4	CaPA_Sat WMP-05_04	<p>Please agree Table 13 of the non-spatial data tables in your WMP Quarterly Data Report for Q4 of 2022, which reports asset condition classifications on electric circuits that were opened at the end of the quarter, as follows:</p> <p>a. Name of the associated circuit</p> <p>b. ID number of the associated circuit</p> <p>c. Geographic latitude in decimal degrees, rounded to seven decimal places</p> <p>d. Geographic longitude in decimal degrees, rounded to seven decimal places</p> <p>e. Priority of the original notification, using PG&amp;E's internal priority level code</p> <p>f. Description code of the external description of defect</p> <p>g. Please complete columns in "Equipment Type" of Table 1.3.</p> <p>h. Please complete or explain why each of the below columns is not applicable:</p> <p>1. Column 1</p> <p>2. Column 2</p> <p>3. Column 3</p> <p>4. Column 4</p> <p>5. Column 5</p>	<p>a-f. Please see attachment "WMP-Discovery2023_DR_CallCenter-05-0004001.xlsx" for the requested Distribution Information and WMP-Discovery2023_DR_CallCenter-05-0004002.xlsx" for the requested Transmission Information.</p> <p>g. Please note that columns 1, 2, and 3 will be available for Distribution and Transmission circuits until the 2023 Quarterly Data Report (QDR) because the data is not ready, and due to recent changes to the standard that resulted in a substantial re-assessment of our notification data.</p>	Holly Whitman	2/10/2023	3/10/2023	3/10/2023	<a href="https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-05-04">https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-05-04</a>	2	NA	2022 Q4 QDR	P	Yes
Pre-Discovery 26	CaPA	Sat WMP-06	CaPA_Sat WMP-06	1	CaPA_Sat WMP-06_01	<p>Provide your worksheet that describes where you will conduct EVM projects in 2023. This worksheet should be in an Excel format, with circumscriptions as seen. Please include the following information in separate columns in the Excel spreadsheet at a minimum:</p> <p>a) Circuit name</p> <p>b) Circuit segment name</p> <p>c) Circuit segment ID number</p> <p>d) EVM risks to be completed in 2023</p> <p>e) Risk categories for the circuit segment.</p> <p>Provide your worksheet that describes where you will conduct EVM projects in 2024. This worksheet should be in an Excel format, with circumscriptions as seen. Please include the following information in separate columns in the Excel spreadsheet at a minimum:</p> <p>a) Circuit name</p> <p>b) Circuit segment name</p> <p>c) Circuit segment ID number</p> <p>d) EVM risks to be completed in 2024</p> <p>e) Risk categories for the circuit segment.</p>	<p>The EVM program concluded at the end of 2022. There is no EVM program for 2023.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	<a href="https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-06-01">https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-06-01</a>	0	NA	2023-2025 WMP 8.2.3	Vegetation Management	EVM
Pre-Discovery 27	CaPA	Sat WMP-06	CaPA_Sat WMP-06	2	CaPA_Sat WMP-06_02	<p>Provide your worksheet that describes where you will conduct EVM projects in 2024. This worksheet should be in an Excel format, with circumscriptions as seen. Please include the following information in separate columns in the Excel spreadsheet at a minimum:</p> <p>a) Circuit name</p> <p>b) Circuit segment name</p> <p>c) Circuit segment ID number</p> <p>d) EVM risks to be completed in 2023</p> <p>e) Risk categories for the circuit segment.</p> <p>Provide your worksheet that describes where you will conduct EVM projects in 2024. This worksheet should be in an Excel format, with circumscriptions as seen. Please include the following information in separate columns in the Excel spreadsheet at a minimum:</p> <p>a) Circuit name</p> <p>b) Circuit segment name</p> <p>c) Circuit segment ID number</p> <p>d) EVM risks to be completed in 2024</p> <p>e) Risk categories for the circuit segment.</p>	<p>The EVM program concluded at the end of 2022. There is no EVM program for 2024.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	<a href="https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-06-02">https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-06-02</a>	0	NA	2023-2025 WMP 8.2.3	Vegetation Management	EVM
Pre-Discovery 28	CaPA	Sat WMP-06	CaPA_Sat WMP-06	3	CaPA_Sat WMP-06_03	<p>In response to Data Request CallCenter-PGE-2022WMP-11, Question 2, March 3, 2022, PG&amp;E provided information regarding its Wildlife Distribution Risk Score version 3 (WDRM v3). Please provide an updated response to Question 1 of the above referenced data request, including any new or changed information since PG&amp;E's original response. If the response to a question has not changed, please so indicate.</p>	<p>Please see "WMP-Discovery2023_DR_CallCenter-05-000304001.xlsx" for the requested information</p> <p>Columns on the 2022 EVM MHA Planned contains the number of miles planned for EVM work in 2022.</p> <p>Columns on the 2023 EVM MHA Completed contains the number of miles that were completed and work effort in 2023.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	<a href="https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-06-03">https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-06-03</a>	1	NA	2022 WMP 7.3.2	Vegetation Management and Inspections	Enhanced Vegetation Management and Inspections
Pre-Discovery 29	CaPA	Sat WMP-06	CaPA_Sat WMP-06	4	CaPA_Sat WMP-06_04	<p>In response to Data Request CallCenter-PGE-2022WMP-16, Question 11, March 23, 2022, PG&amp;E issued the following "Through 2023, the EVM program includes active areas that are not currently being actively managed, including clearing and radial clearance. Starting in 2023, Enhanced EVM will include active areas that are not currently being actively managed above 100 feet and at the risk of fire response."</p> <p>a) If the answer to part (a) is no, please update the above statement to reflect PG&amp;E's response to Question 11 of the above referenced data request.</p> <p>b) If the answer to part (a) is yes, please update the above statement to reflect PG&amp;E's response to Question 11 of the above referenced data request.</p>	<p>a-f. Please see attachment "WMP-Discovery2023_DR_CallCenter-05-0004001.xlsx" for the requested Distribution Information and WMP-Discovery2023_DR_CallCenter-05-0004002.xlsx" for the requested Transmission Information.</p> <p>g. Please note that columns 1, 2, and 3 will be available for Distribution and Transmission circuits until the 2023 Quarterly Data Report (QDR) because the data is not ready, and due to recent changes to the standard that resulted in a substantial re-assessment of our notification data.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	<a href="https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-06-04">https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-06-04</a>	0	NA	2022 WMP 7.3.5	Vegetation Management and Inspections	Program Code
Pre-Discovery 30	CaPA	Sat WMP-06	CaPA_Sat WMP-06	5	CaPA_Sat WMP-06_05	<p>In response to Data Request CallCenter-PGE-2022WMP-16, Question 16, March 18, 2022, PG&amp;E provided the following table, which shows spending on vegetation management programs in thousands of dollars (actual figures for 2019-2021 and forecast figures for 2022-2023).</p> <p>Please update this table as follows:</p> <p>a) Update the 2022 column to take actual spending in 2022.</p> <p>b) Update the 2023 column to show PG&amp;E's current forecasts for 2023.</p> <p>c) Add a column that shows PG&amp;E's current forecasts for 2024.</p> <p>d) Please add rows as necessary, if any changes in PG&amp;E's vegetation management strategy have resulted from 2019/2020 wildfires or operations.</p>	<p>Please see updated table below with 2022 Actuals, and our current forecasts for 2023 and 2024.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	<a href="https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-06-05">https://www.pge.com/en-global/communications/2023/03/01/2023-wmp-06-05</a>	0	NA	Vegetation Management	NA	NA

Pre-Discovery 31	CaPA	Sat WMP-06	CaPA_Sat WMP-06	6	CaPA_Sat WMP-06_06	<p>Please provide a list of any incidents in 2022 where the actions of a VM contractor posed a safety risk to workers and/or the public. "Safety risk" here is defined as any occurrence on a worksite where the contractor's actions created a safety hazard for either workers or the general public.</p> <p>For each incident, please provide:</p> <ol style="list-style-type: none"> <li>The date you were informed of the safety issue</li> <li>The date that the original work that created the safety issue was performed</li> <li>Whether the safety issue concerned a transmission or distribution circuit</li> <li>The vegetation management activities involved in the original work</li> <li>A brief description of the safety issue involved.</li> </ol>	<p>Please refer to Attachment "WMP-Discovery2023_DR_CaPAIncidents_06-Q00A010CONF.xlsx" for a list of all contractors involved safety incidents that took place in 2022. The data includes:</p> <ul style="list-style-type: none"> <li>Contract Name/ProjectID: The contractor/project name involved in the incident</li> <li>CD/ID: The date of the incident</li> <li>Date EN: The date the incident was formally reported and logged</li> <li>Work Type: The division where the incident took place</li> <li>Type: The incident type (in the work)</li> <li>Location: A brief description of the incident</li> <li>Program: Description on which initiative a contractor was working on, on the date of incident</li> <li>Consequence: A description of the action(s) PG&amp;E took to prevent recurrence</li> </ul> <p>Please refer to Attachment "WMP-Discovery2023_DR_CaPAIncidents_06-Q00A010CONF.xlsx" for a list of all contractors involved safety incidents that took place in 2022. The data includes:</p> <ul style="list-style-type: none"> <li>Contract Name/ProjectID: The contractor/project name involved in the incident</li> <li>CD/ID: The date of the incident</li> <li>Date EN: The date the incident was formally reported and logged</li> <li>Work Type: The division where the incident took place</li> <li>Type: The incident type (in the work)</li> <li>Location: A brief description of the incident</li> <li>Program: Description on which initiative a contractor was working on, on the date of incident</li> <li>Consequence: A description of the action(s) PG&amp;E took to prevent recurrence</li> </ul>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	1	NA	Vegetation Management	NA	NA
Pre-Discovery 32	CaPA	Sat WMP-06	CaPA_Sat WMP-06	7	CaPA_Sat WMP-06_07	<p>In response to Data Release CaPAIncidents-PGE-2022WMP-14, Question 13, March 15, 2022, PG&amp;E provided 2022 system hardening worklogs for the categories associated with (a) work (b) ID below. Please provide an updated version of the worklogs with additional columns to show the actual system hardening work performed in each circuit segment in 2022 for each of these categories. Please add rows as needed to cover all circuit segments where PG&amp;E performed system hardening work in 2022 (even if those circuit segments were not included in the original 2022 worklogs).</p> <ol style="list-style-type: none"> <li>Installation of covered conductor</li> <li>Installation of underground conductor</li> <li>Removal of overhead conductor</li> <li>Removal of overhead conductor associated with remote grid work.</li> </ol>	<p>See "WMP-Discovery2023_DR_CaPAIncidents_06-Q00A010CONF.xlsx". This file includes the 2022 system hardening completed work in the below columns:</p> <ul style="list-style-type: none"> <li>Installation of covered conductor: See column A</li> <li>Installation of underground conductor: See column B</li> <li>Removal of overhead conductor associated with remote grid work: See column C</li> <li>Removal of overhead conductor: See column D</li> </ul> <p>Additionally, because the question is associated with the System Hardening worklogs only, this data does not include underground mileage associated with the Butte Rebuild.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	1	NA	2022 WMP Section 7.3.3.17	Grid Design and System Hardening	System Hardening
Pre-Discovery 33	CaPA	Sat WMP-06	CaPA_Sat WMP-06	8	CaPA_Sat WMP-06_08	<p>Provide your worklogs that describe when and where you will perform system hardening on distribution circuits in 2023. For projects that you expect to partially complete in 2023 (i.e., projects that started before 2023 and are expected to continue in 2023), or projects that are expected to be completed after 2023, please include the project and report the work that you forecast will actually be performed in calendar year 2023.</p> <p>For each project, include the following information in separate columns, as appropriate:</p> <ol style="list-style-type: none"> <li>Order number</li> <li>MAF code</li> <li>Program</li> <li>Circuit ID number</li> <li>MAF code</li> <li>Circuit segment name or ID number (if the project affects more than one circuit segment, please identify each one)</li> <li>Relevant wildfire risk scenario from the wildfire risk model that you are using to estimate distribution risk in your 2023-2025 WMP filing</li> <li>The expected start date of the project</li> <li>The expected completion date of the project</li> <li>Length (in circuit miles) of covered conductor to be installed in 2023</li> <li>Length (in circuit miles) of overhead conductor to be permanently removed in 2023 and replaced by underground conductor (note that this may differ slightly from the previous section due to differing overhead conductor to be permanently removed in 2023 and not replaced with covered conductor or underground)</li> <li>Length (in circuit miles) of overhead conductor to be permanently removed in 2023 and not replaced with covered conductor or underground</li> <li>Length (in circuit miles) of any other type of system hardening project to be installed in 2023. In this section, please identify the type of system hardening project.</li> </ol>	<p>Please see attachment "WMP-Discovery2023_DR_CaPAIncidents_06-Q00A010CONF.xlsx"</p> <ul style="list-style-type: none"> <li>See column A (order number), and B (order description)</li> <li>See column C</li> <li>See column D</li> <li>See column E</li> <li>See column F</li> <li>See column G, I, and K</li> <li>Column J shows the Applicable Risk Model that was used for selecting the project and putting it into scope. Risk Rank scores, shown in Columns I and K, are based on the Wildfire Distribution Risk Model (WDRM) for Version 2 and Version 3, respectively. The Risk ranking outcomes are the results of the relevant risk model (e.g., WDRM V2, WDRM V3) where circuit segments are ranked A to H based on the highest risk circuit segment, and I to the lowest risk.</li> </ul> <p>Additionally, because the question is associated with the System Hardening worklogs only, this data does not include underground mileage associated with the Butte Rebuild.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	1	NA	2023 WMP Section 8.1.2.5	System Hardening	NA
Pre-Discovery 34	CaPA	Sat WMP-06	CaPA_Sat WMP-06	9	CaPA_Sat WMP-06_09	<p>Provide your worklogs that describe when and where you will perform system hardening on distribution circuits in 2024. For projects that you expect to partially complete in 2024 (i.e., projects that started before 2024 and are expected to continue in 2024), or projects that are expected to be completed after 2024, please include the project and report the work that you forecast will actually be performed in calendar year 2024.</p> <p>For each project, include the following information in separate columns, as appropriate:</p> <ol style="list-style-type: none"> <li>Order number</li> <li>MAF code</li> <li>Program</li> <li>Circuit ID number</li> <li>MAF code</li> <li>Circuit segment name or ID number (if the project affects more than one circuit segment, please identify each one)</li> <li>Relevant wildfire risk scenario from the wildfire risk model that you are using to estimate distribution risk in your 2023-2025 WMP filing</li> <li>The expected start date of the project</li> <li>The expected completion date of the project</li> <li>Length (in circuit miles) of covered conductor to be installed in 2024</li> <li>Length (in circuit miles) of overhead conductor to be permanently removed in 2024 and replaced by underground conductor (note that this may differ slightly from the previous section due to differing overhead and underground miles)</li> <li>Length (in circuit miles) of overhead conductor to be permanently removed in 2024 and not replaced with covered conductor or underground</li> <li>Length (in circuit miles) of any other type of system hardening project to be installed in 2024 (if this is greater than zero, please describe the type of system hardening project).</li> </ol>	<p>Please see attachment "WMP-Discovery2023_DR_CaPAIncidents_06-Q00A010CONF.xlsx"</p> <ul style="list-style-type: none"> <li>See column A (order number), and B (order description)</li> <li>See column C</li> <li>See column D</li> <li>See column E</li> <li>See column F</li> <li>See column G, I, and K</li> <li>Column J shows the Applicable Risk Model that was used for selecting the project and putting it into scope. Risk Rank scores, shown in Columns I and K, are based on the Wildfire Distribution Risk Model (WDRM) for Version 2 and Version 3, respectively. The Risk ranking outcomes are the results of the relevant risk model (e.g., WDRM V2, WDRM V3) where circuit segments are ranked A to H based on the highest risk circuit segment, and I to the lowest risk.</li> </ul> <p>Additionally, because the question is associated with the System Hardening worklogs only, this data does not include underground mileage associated with the Butte Rebuild.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	0	NA	2023 WMP Section 8.1.2.5	System Hardening	NA
Pre-Discovery 35	CaPA	Sat WMP-06	CaPA_Sat WMP-06	10	CaPA_Sat WMP-06_10	<p>For each of your 2023-2025 WMP system hardening initiatives, please provide disaggregated information related to expenditures and circuit miles treated in the attached table, CaPAIncidents_PGE-2023WMP-06 Attachment 1. Add columns as needed.</p>	<p>Please see details on the cost and mileage treatments in attached file "WMP-Discovery2023_DR_CaPAIncidents_06-Q010A010CONF.xlsx"</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	1	NA	2023 WMP Section 4.3	Proposed Expenditures	System Hardening
Pre-Discovery 36	CaPA	Sat WMP-06	CaPA_Sat WMP-06	11	CaPA_Sat WMP-06_11	<p>Please provide a spreadsheet listing (as rows) each underground project completed during the period of January 1, 2022, through December 31, 2022. For each project, please provide the following information (as columns):</p> <ol style="list-style-type: none"> <li>Project ID number or other identifier</li> <li>Circuit ID</li> <li>ID of each circuit segment that was entirely underground in the project</li> <li>ID of each circuit segment that was partially underground in the project</li> <li>County or counties where underground took place</li> <li>Project start date</li> <li>Project completion date</li> <li>Total miles of trenching required</li> <li>Total electric costs of the project (i.e., costs attributed to your electric facilities), including costs for planning, design, permitting, and construction</li> <li>Total lifecycle costs of the project (i.e., costs attributed to your electric facilities), including costs for planning, design, permitting, and construction</li> <li>Total lifecycle costs of the project, including costs attributed to non-electric utilities, including costs for planning, design, permitting, and construction</li> <li>Whether this was a P&amp;W project (yes/no)</li> <li>Whether this was a P&amp;W project (yes/no)</li> <li>Whether this was a P&amp;W project (yes/no)</li> <li>Whether this was a P&amp;W project (yes/no)</li> <li>Whether you shared benches for this project with telecommunications utilities (yes/no)</li> <li>Whether you shared benches for this project with facilities (yes/no)</li> </ol>	<p>See "WMP-Discovery2023_DR_CaPAIncidents_06-Q011A010CONF.xlsx"</p> <ol style="list-style-type: none"> <li>Project ID number or other identifier - See column A (order Number) and B (Order Description)</li> <li>ID of each circuit segment that was entirely underground in the project - Our underground projects are split into multiple phases within a given circuit protection (CP) or circuit segment (CS). The underground of complete CP/CS is a multi-year effort that generally is captured in the data shown for a single year.</li> <li>ID of each circuit segment that was partially underground in the project - For "partially" (i.e., our underground projects are split into multiple phases within a given circuit protection (CP) or circuit segment (CS)), the underground data shown for a single year. It is not possible to determine completion of an entire CP/CS.</li> <li>County or counties where underground took place - See column I</li> <li>Project completion date - See column J</li> <li>Total miles of trenching required - This information is not tracked by PG&amp;E.</li> <li>Total electric costs of the project (i.e., costs attributed to your electric facilities), including costs for planning, design, permitting, and construction - See column K</li> <li>Total lifecycle costs of the project, including costs attributed to non-electric utilities, including costs for planning, design, permitting, and construction - There is no non-electric utility work in the scope of system hardening undergrounding (Whether this was a P&amp;W project (yes/no) - See column L</li> <li>Whether this was a P&amp;W project (yes/no) - See column M</li> <li>Whether this was a P&amp;W project (yes/no) - See column N</li> <li>Whether you shared benches for this project with telecommunications utilities (yes/no) - No. For system hardening, we do not share benches with gas.</li> <li>Whether you shared benches for this project with facilities (yes/no) - No. For system hardening, we do not share benches with gas.</li> </ol> <p>The data includes project information from 2021 when projects overlap with 2022.</p> <p>Because the question is associated with the System Hardening worklogs only, this data does not include underground mileage associated with the Butte Rebuild.</p> <p>1 Constructed in accordance with The CPUC's Electric Tariff Rule 20  2 For the purposes of this question and the following question, "life-cycle costs" refers to the start-to-finish costs to complete the capital project, from planning to the end of construction. This does not include maintenance or operational costs after the underground infrastructure is completed and in use.  3 Constructed in accordance with The CPUC's Electric Tariff Rule 20</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
Pre-Discovery 37	CaPA	Sat WMP-06	CaPA_Sat WMP-06	12	CaPA_Sat WMP-06_12	<p>Please provide a spreadsheet file with a profile matrix for each underground project completed during the period of January 1, 2022 through December 31, 2022. In addition to the spatial location, please provide the following attributes for each project:</p> <ol style="list-style-type: none"> <li>Project ID number or other identifier, matching part (a) of the previous question</li> <li>Circuit ID</li> <li>Project completion date</li> </ol>	<p>See attachment "WMP-Discovery2023_DR_CaPAIncidents_06-Q011A010CONF.xlsx"</p> <p>Please note that the data reflected in this spreadsheet will not reach data end from 011 due to the process time lag between construction completion and being fully reported to GIS.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
Pre-Discovery 38	CaPA	Sat WMP-06	CaPA_Sat WMP-06	13	CaPA_Sat WMP-06_13	<p>Identify any ignitions in 2022 associated with assets where you had an existing corrective notification at the time of the ignition. Please provide a spreadsheet listing each such ignition (as rows) with the following information in separate columns:</p> <ol style="list-style-type: none"> <li>Unique ignition ID</li> <li>Date of ignition</li> <li>Case of ignition</li> <li>Type of asset associated with the ignition</li> <li>Asset burned</li> <li>Number of assets burned, if any</li> <li>Number of ignites associated with ignition, if any</li> <li>Asset ID of asset associated with ignition</li> <li>Circuit ID number of circuit associated with ignition</li> <li>Notification number(s) for the existing maintenance work on the asset in question.</li> </ol>	<p>Please see the table below identifying 2022 CPUC reportable ignitions where the asset involved in the ignition was associated with an existing open corrective maintenance notification at the time of the event.</p> <p>Ignition ID: Date of ignition  Suspected Cause  Equipment Type  Asset ID  Notification Number  Date of Ignition  2023/13-4-01222 Equipment  2023/13-4-01222 Equipment  Primary  0 25  950  Asset  0 101504220 MESA 1103 12193783  20220915-51710202 Equipment  Failure Report  Clamp  Connector  1 meter  -0  Asset  0 10242348 SAN RAFAEL  11032223  11032223</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	0	NA	2022 WMP Section 7.3.4	Asset Management and Inspections	NA
Pre-Discovery 39	CaPA	Sat WMP-06	CaPA_Sat WMP-06	14	CaPA_Sat WMP-06_14	<p>All Has PG&amp;E's Asset Failure Analysis Team causally connected any ignitions that occurred in 2022 to assets with existing assets or vegetation corrective notification at the time of ignition? If the answer is not (a) to yes, please provide the following information on each such ignition:</p> <ol style="list-style-type: none"> <li>Unique ignition ID (including the previous question)</li> <li>Date of ignition</li> <li>Case(s) identified by the Asset Failure Analysis Team</li> <li>Type of corrective notification that was issued to the ignition (i.e., the priority level and whether it related to asset management or vegetation management)</li> <li>Copy of associated reports or investigations performed by the Asset Failure Analysis Team</li> </ol>	<p>See attachment "WMP-Discovery2023_DR_CaPAIncidents_06-Q011A010CONF.xlsx"</p> <p>Please note that the data reflected in this spreadsheet will not reach data end from 011 due to the process time lag between construction completion and being fully reported to GIS.</p>	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	0	NA	2022 WMP 7.3.7	Data Governance	Asset Failure Analysis

