

Discovery ID	Product	Policy	Item	Details	Status	Start Date	End Date	Priority	Impact	Location	Notes		
Pre-Discovery 43	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_01	REFCL Inquiries REFCL Phase at Calistoga Circuit Division 1102131511 Describe various active activities. Describe how staged fault testing is being conducted. Substation Configuration - Describe any substation or circuit configuration issues to display REFCL availability of REFCL. Describe any issues relating to increasing deployment of CA. Explain when risk drives per Table PG&E 7.1.4 - REFCL mitigates. Explain why REFCL is not implemented mitigation for number deployment and confirm PG&E no longer plans to test REFCL at #2 substations per per per PG&E filing.	Wendy Alkhabaz	2/23/2023	3/6/2023	3/30/2023	0	N/A	8.1.1.3	Grid Operations and Procedures Settings of Other Emerging Technologies (e.g. Rapid Earth Fault Current Limiters)	
Pre-Discovery 44	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_01_02	EPSS & Supporting Technologies (OCU & Portal Voltage Detection) Inquiries Explain all activities planned to mitigate EPSS related projects. What customer support programs (i.e. battery buildouts) exist from or to be those in place for EPSS deployment? Explain how EPSS will be used for EPSS enabled circuit breakers. Explain how EPSS will be used for EPSS enabled circuit breakers. Explain how EPSS will be used for EPSS enabled circuit breakers. Explain how EPSS will be used for EPSS enabled circuit breakers. Explain how EPSS will be used for EPSS enabled circuit breakers.	Wendy Alkhabaz	2/23/2023	3/6/2023	3/30/2023	0	N/A	8.1.1.1	Grid Operations and Procedures Protective Equipment and Device Settings	
Pre-Discovery 45	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_01_03	EPSS & REFCL Inquiries EPSS vs REFCL - Describe the major similarities and differences. What are advantages and disadvantages? In terms of capacity, availability, safety, and reliability. Phase-to-ground faults in complex (Multiple-Phase) - What is the risk profile of existing systems and PG&E's system and how does REFCL/EPSS mitigate these risks? Coordinate the differences in fault energy for EPSS vs REFCL, including for low and high impedance faults. Explain when EPSS is preferred / REFCL fault energy is less than 10% of EPSS fault energy for low impedance faults. Explain the effectiveness of OCU on REFCL on high impedance faults.	Wendy Alkhabaz	2/23/2023	3/6/2023	3/30/2023	0	N/A	8.1.1.1	Grid Operations and Procedures Equipment Settings to Reduce Wildlife Risk	
Pre-Discovery 46	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_01_04	General risk reduction inquiry What's PG&E's goal for long-term risk reduction, particularly reduction of likelihood of ignition and also reduction of consequences, for circuits in WDRAs that are not underground? No changes have been made to WDRAs since the September 8, 2022 response.	Wendy Alkhabaz	2/23/2023	3/6/2023	3/30/2023	0	N/A	7.2.1	Wildfire Mitigation Strategy Overview of Mitigation Initiatives and Activities	
Pre-Discovery 22	CaPA	Sat WMP-05	CaPa_Sat_WMP-05_01	In response to Data Review California-PGE-2022WMP-01 on September 8, 2022, PGE provided information regarding the Wildlife Distribution Risk Model version 3 (WDRM v3). Please provide an updated response to questions 1-7 of the above referenced data request, including any new or changed information since PGE's original response. If the response to a question has not changed, please so indicate.	Holly Whitman	2/16/2023	3/16/2023	3/16/2023	0	N/A	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies WDRM v3	
Pre-Discovery 23	CaPA	Sat WMP-05	CaPa_Sat_WMP-05_02	a) The potential of falling or falling trees or other non-distributed vegetation conditions not currently reflected in our risk modeling. PGE's Public Safety Specialists with experience as career wildfire firefighters have reviewed general agency report / progress concerns when evaluating circuit or circuit segments for potential system-impacting work. b) Not applicable c) Not applicable.	Holly Whitman	2/16/2023	3/16/2023	3/16/2023	0	N/A	8.1.3	Asset Inspections N/A	
Pre-Discovery 24	CaPA	Sat WMP-05	CaPa_Sat_WMP-05_03	Please fill out the attached spreadsheet. California-PGE-2022WMP-05 Attachment 1, requesting information regarding your asset inspections in 2022.	Holly Whitman	2/16/2023	3/16/2023	3/16/2023	1	N/A	8.1.3	Asset Inspections Inspections completed in 2022	
Pre-Discovery 25	CaPA	Sat WMP-05	CaPa_Sat_WMP-05_04	Please see attachments: WMP-Discovery2022_OR_California_OC-D000A0401.docx for the requested Distribution Information. Add the following information to the spreadsheet: 1. ID number of the associated circuit. 2. Geographic latitude in decimal degrees, truncated to seven decimal places. 3. Geographic longitude in decimal degrees, truncated to seven decimal places. 4. Priority of the original notification, using PGE's internal priority level codes. 5. Open/closure code or other original description of the event. 6. Please complete column 6 ("Equipment type") of Table 13. 7. Please complete or explain why each of the below columns is not applicable: a. Column 1 b. Column 2 c. Column 3 d. Column 4	Holly Whitman	2/16/2023	3/16/2023	3/16/2023	2	N/A	2022 GDR	P	logs
Pre-Discovery 26	CaPA	Sat WMP-03	CaPa_Sat_WMP-03_01	Please see attachment: WMP-Discovery2022_OR_California_OC-D000A0401.docx for the requested Distribution Information. Add the following information to the spreadsheet: 1. ID number of the associated circuit. 2. Geographic latitude in decimal degrees, truncated to seven decimal places. 3. Geographic longitude in decimal degrees, truncated to seven decimal places. 4. Priority of the original notification, using PGE's internal priority level codes. 5. Open/closure code or other original description of the event. 6. Please complete column 6 ("Equipment type") of Table 13. 7. Please complete or explain why each of the below columns is not applicable: a. Column 1 b. Column 2 c. Column 3 d. Column 4	Holly Whitman	2/16/2023	3/16/2023	3/16/2023	2	N/A	8.1.3	Asset Inspections Distribution	

Pre-Discovery	CA/PA	Sat WMP-03	CA/PA_Sat WMP-03	8	CA/PA_Sat WMP-03_08	Holly Whitman	2/1/2023	3/1/2023	3/1/2023	0	NA	7.2	Wildfire Mitigation Strategy	Wildfire Mitigation Strategy
Pre-Discovery 15	CA/PA	Sat WMP-03	CA/PA_Sat WMP-03	8	CA/PA_Sat WMP-03_08	Holly Whitman	2/1/2023	3/1/2023	3/1/2023	0	NA	7.2	Wildfire Mitigation Strategy	Wildfire Mitigation Strategy
Pre-Discovery 16	CA/PA	Sat WMP-03	CA/PA_Sat WMP-03	9	CA/PA_Sat WMP-03_09	Holly Whitman	2/1/2023	3/1/2023	3/1/2023	0	NA	7.2	Wildfire Mitigation Strategy	Wildfire Mitigation Strategy
Pre-Discovery 17	CA/PA	Sat WMP-03	CA/PA_Sat WMP-03	10	CA/PA_Sat WMP-03_10	Holly Whitman	2/1/2023	3/1/2023	3/1/2023	0	NA	7.2	Wildfire Mitigation Strategy	Wildfire Mitigation Strategy
Pre-Discovery 41	Green Power Institute (GPI)	001	Green Power Institute (GPI)_001	1	Green Power Institute (GPI)_001_01	Zoe Hertz	3/1/2023	3/1/2023	3/1/2023	0	NA	All	All	All
Pre-Discovery 26	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	1	CA/PA_Sat WMP-06_01	Holly Whitman	2/1/2023	3/29/2023	3/29/2023	0	NA	2023-2025 WMP 8.2.3	Vegetation Management	EVW
Pre-Discovery 27	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	2	CA/PA_Sat WMP-06_02	Holly Whitman	2/1/2023	3/29/2023	3/29/2023	0	NA	2023-2025 WMP 8.2.3	Vegetation Management	EVW
Pre-Discovery 28	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	3	CA/PA_Sat WMP-06_03	Holly Whitman	2/1/2023	3/29/2023	3/29/2023	1	NA	2022 WMP 7.3.5.2	Vegetation Management and Inspections	Enhanced Vegetation Management
Pre-Discovery 29	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	4	CA/PA_Sat WMP-06_04	Holly Whitman	2/1/2023	3/29/2023	3/29/2023	0	NA	2022 WMP 7.3.5	Vegetation Management and Inspections	Program Code
Pre-Discovery 30	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	5	CA/PA_Sat WMP-06_05	Holly Whitman	2/1/2023	3/29/2023	3/29/2023	0	NA	Vegetation Management	NA	NA
Pre-Discovery 31	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	6	CA/PA_Sat WMP-06_06	Holly Whitman	2/1/2023	3/29/2023	3/29/2023	1	NA	Vegetation Management	NA	NA
Pre-Discovery 32	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	7	CA/PA_Sat WMP-06_07	Holly Whitman	2/1/2023	3/29/2023	3/29/2023	1	NA	2022 WMP Section 7.3.3.17	Grid Design and System	System Handover

Pre-Discovery 33	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	8	CA/PA_Sat WMP-06_Q8	Provide your description that describes where and when 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. For each project, include the following information in separate columns, at a minimum: a) Order number b) MAT code c) Program d) Circuit ID number e) Circuit segment name or ID number (if the project affects more than one circuit segment, please identify each one) f) Relevant wildfire risk scenario(s) from the wildfire risk model that you are using to estimate distribution risk in your 2023-2025 WMP. g) The expected or actual start date of the project. h) The expected completion date of the project. i) Length (in circuit miles) of overhead conductor to be installed in 2023. j) 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 altering overhead and underground conductors). k) Length (in circuit miles) of overhead conductor to be permanently removed in 2023 and not replaced with overhead conductor or underground). l) Length (in circuit miles) of any other type of system hardening project to be installed in 2023 that is greater than zero, please describe the type of system hardening project.	Please see attachment "WMP-Discovery2023_DR_California_CA_06-0205A101CONF.xlsx". A: See column A (order number), and B (order description) B: See column C C: See column D D: See column E E: See column F F: See column G, I, and K Column G 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 on a 1 to N basis, where 1 is the highest risk circuit segment and N is the lowest risk. G: See column H H: See column I I: See column J J: See column K K: N/A - PG&E does not track length (in circuit miles) of overhead conductor to be permanently removed and replaced by underground. L: See column AB M: N/A The data includes project information from prior to 2022 and 2022 where projects overlap with these years. Data is provided in the same file for 2024 that is responsive to Question Q005. Additionally, because the question is associated with the System Hardening section only, this data does not include underground mileage associated with the Bull's Head.	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/eng_global/common/pdf/va/06-discovery-2023-wmp-06-q8-ca/06-discovery-2023-wmp-06-q8-ca.xlsx	1	NA	2023 WMP Section 8.1.2.5	System Hardening	NA
Pre-Discovery 34	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	9	CA/PA_Sat WMP-06_Q9	Provide your description that describes where and when you will perform system hardening on distribution circuits in 2024. For projects that you expect to partially complete in 2024 (i.e., projects that started before 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. For each project, include the following information in separate columns, at a minimum: a) Order number b) MAT code c) Program d) Circuit ID number e) Circuit segment name or ID number (if the project affects more than one circuit segment, please identify each one) f) Relevant wildfire risk scenario(s) from the wildfire risk model that you are using to estimate distribution risk in your 2023-2025 WMP. g) The expected or actual start date of the project. h) The expected completion date of the project. i) Length (in circuit miles) of overhead conductor to be installed in 2024. j) 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 altering overhead and underground conductors). k) Length (in circuit miles) of overhead conductor to be permanently removed in 2024 and not replaced with overhead conductor or underground). l) Length (in circuit miles) of any other type of system hardening project to be installed in 2024 that is greater than zero, please describe the type of system hardening project.	Please see attachment "WMP-Discovery2023_DR_California_CA_06-0205A101CONF.xlsx". A: See column A (order number), and B (order description) B: See column C C: See column D D: See column E E: See column F F: See column G, I, and K Column G 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 on a 1 to N basis, where 1 is the highest risk circuit segment and N is the lowest risk. G: See column H H: See column I I: See column J J: See column K K: N/A - PG&E does not track length (in circuit miles) of overhead conductor to be permanently removed and replaced by underground. L: See column AB M: N/A The data includes project information from prior to 2022, 2022, and 2023 where projects overlap with these years. Data is provided in the same file for 2023 that is responsive to Question Q005. Additionally, because the question is associated with the System Hardening section only, this data does not include underground mileage associated with the Bull's Head.	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/eng_global/common/pdf/va/06-discovery-2023-wmp-06-q9-ca/06-discovery-2023-wmp-06-q9-ca.xlsx	0	NA	2023 WMP Section 8.1.2.5	System Hardening	NA
Pre-Discovery 35	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	10	CA/PA_Sat WMP-06_Q10	For each of your 2023-2025 WMP system hardening initiatives, please provide disaggregated information related to completed or circuit miles tracked in the attached file, California PGE-2023WMP-06 Attachment 1. Add columns as needed.	Please see details on the cost and outage breakdown in attached file "WMP-Discovery2023_DR_California_CA_06-019A101.xlsx".	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/eng_global/common/pdf/va/06-discovery-2023-wmp-06-q10-ca/06-discovery-2023-wmp-06-q10-ca.xlsx	1	NA	2023 WMP Section 4.3	Proposed Expenditures	System Hardening
Pre-Discovery 36	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	11	CA/PA_Sat WMP-06_Q11	Provide a spreadsheet listing (in excel) each undergrounding project completed during the period of January 1, 2022, through December 31, 2022. For each project, provide the following information in separate columns, at a minimum: a) Project ID number or other identifier b) Circuit ID c) ID of each circuit segment that was entirely undergrounded in the project d) ID of each circuit segment that was partially undergrounded in the project e) County or counties where undergrounding took place f) Project start date g) Project completion date h) Total miles of trenching required i) Total file-cable electric costs of the project, including costs attributed to non-electric facilities, including costs for planning, design, permitting, and construction. j) Total file-cable costs of the project, including costs attributed to non-electric utilities, including costs for planning, design, permitting, and construction. k) Whether this was a Risk 20 project (yes/no) l) Whether this was a WMP project (yes/no) m) Whether this was a non-wildfire related project (yes/no) n) Whether you allowed trenches for the project with telecommunications utilities (yes/no) o) Whether you allowed trenches for the project with facilities (yes/no)	See "WMP-Discovery2023_DR_California_CA_06-0211A101CONF.xlsx". a) Project ID number or other identifier - See column A (order number) and B (order description) b) Circuit ID - See column C c) ID of each circuit segment that was entirely undergrounded in the project - See column D d) ID of each circuit segment that was partially undergrounded in the project - See column E e) County or counties where undergrounding took place - See column F f) Project start date - See column G g) Project completion date - See column H h) Total miles of trenching required - See column I i) Total file-cable electric costs of the project, including costs attributed to non-electric utilities, including costs for planning, design, permitting, and construction - There is no data for this question as we do not have this data for all projects. j) Total file-cable costs of the project, including costs attributed to non-electric utilities, including costs for planning, design, permitting, and construction - There is no data for this question as we do not have this data for all projects. k) Whether this was a Risk 20 project (yes/no) - See column J l) Whether this was a WMP project (yes/no) - See column K m) Whether this was a non-wildfire related project (yes/no) - See column L n) Whether you allowed trenches for the project with telecommunications utilities (yes/no) - See column M o) Whether you allowed trenches for the project with facilities (yes/no) - See column N The data includes project information from 2021 where projects overlap with 2022. The data does not include undergrounding mileage associated with the Bull's Head. 3 Conducted in accordance with the CPUC's Electric Tariff Rule 20. 4 For the purposes of this question and the following questions, "file-cable" 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 to complete and in use. 5 Conducted in accordance with the CPUC's Electric Tariff Rule 20.	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/eng_global/common/pdf/va/06-discovery-2023-wmp-06-q11-ca/06-discovery-2023-wmp-06-q11-ca.xlsx	1	NA	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
Pre-Discovery 37	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	12	CA/PA_Sat WMP-06_Q12	Provide a spreadsheet file with a single feature for each undergrounding project completed during the period of January 1, 2022 through December 31, 2022. In addition to the spatial location, please provide the following information in separate columns, at a minimum: a) Project ID number or other identifier, matching part of the previous question b) Circuit ID c) Project completion date	See attachment "WMP-Discovery2023_DR_California_CA_06-012A101CONF.xlsx". Please note the data reflected in the GIS geographic file will not match the data set from Q11 due to the process time lag between completion and being fully reported to GIS.	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/eng_global/common/pdf/va/06-discovery-2023-wmp-06-q12-ca/06-discovery-2023-wmp-06-q12-ca.xlsx	1	NA	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
Pre-Discovery 38	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	13	CA/PA_Sat WMP-06_Q13	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 (in excel) with the following information in separate columns, at a minimum: a) Ignition ID b) Date of ignition c) Cause of ignition d) Type of asset associated with the ignition e) Asset ID f) Number of ignitions associated with ignition, if any g) Asset ID of asset associated with ignition h) Circuit ID number of circuit associated with ignition i) Notification number(s) for the existing maintenance log on the asset in question	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: Ignition ID: Date of Ignition: Equipment Type: Associated WPA Number: Fire Risk Structures: Description: Asset ID: Circuit ID: Existing Maintenance Notification: 20220374 4/6/2022 Equipment: Conductor - Primary: 5-26: 5-26: 0: 10104220 MSB: 116 12133153: 20220613 5/17/2022 Equipment: Pole: Splice: Connector: 1 meter: -C3: 1 meter: 0: 10242548 SAN RAFAEL: 1164: 41832923: If this, please see below: If no ignitions have been identified then list these columns: Ignition ID: Date of Ignition: Cause of Ignition: Cause of Associated WPA: 20221278 7/28/2022 The cause of this ignition is still being finalized. EC Notification 11802015 - Pole Replacement The report in question is still being reviewed and can be provided upon completion. 2021011 1/6/2021 Equipment: Pole: Splice: Connector: 1 meter: -C3: 1 meter: 0: 10242548 SAN RAFAEL: 1164: 41832923: EC Notification 12386974 - Conductor replacement (later updated to pole replacement) The report in question is still being finalized and can be provided upon completion.	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/eng_global/common/pdf/va/06-discovery-2023-wmp-06-q13-ca/06-discovery-2023-wmp-06-q13-ca.xlsx	0	NA	2022 WMP Section 7.3.4	Asset Management and Inspections	NA
Pre-Discovery 39	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	14	CA/PA_Sat WMP-06_Q14	Has PG&E Asset Failure Analysis Team causally connected any ignitions that occurred in 2022 to assets with existing asset or equipment corrective notification at the time of ignition? If the answer is part (a) in yes, please provide the following information on each such ignition: a) Ignition ID (matching the previous question) b) Date of ignition c) Cause of ignition d) Type of corrective notification that was issued to the ignition (i.e., the priority level and whether it related to asset management or equipment management) e) Copies of associated reports or investigations performed by the Asset Failure Analysis Team	See attachment "WMP-Discovery2023_DR_California_CA_06-012A101CONF.xlsx". Please note the data reflected in the GIS geographic file will not match the data set from Q11 due to the process time lag between completion and being fully reported to GIS.	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/eng_global/common/pdf/va/06-discovery-2023-wmp-06-q14-ca/06-discovery-2023-wmp-06-q14-ca.xlsx	0	NA	2022 WMP 7.3.7	Data Governance	Asset Failure Analysis
Pre-Discovery 40	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	15	CA/PA_Sat WMP-06_Q15	Has PG&E response to Data Request CaliforniaPGE-2022WMP-17, Question 13, March 24, 2022, PG&E inspection strategy in 2022 was to complete detailed inspections on all assets in HFD Tier 3 and Zone 1, and approximately one-third of assets in HFD Tier 2? Please describe any changes to the above strategy for PG&E's detailed distribution inspections in 2023. Please describe any changes to the above strategy for PG&E's detailed distribution inspections in 2024. Please describe any changes to the above strategy for PG&E's detailed distribution inspections in 2024.	At Beginning in 2023, PG&E's detailed inspections of distribution structures in high fire areas will be informed by wildfire consequence as provided PG&E's Wildfire Distribution Risk Model (WDRM) v2. PG&E will complete a detailed inspection of each structure every one to three years. For additional details on this strategy please refer to WDRM 1.3.2 of our 2022 WMP. This differs from our 2022 strategy where we inspected all of Tier 3 and one-third of Tier 2. We have made major changes to our strategy compared to last year. Information related to inspections in 2022, are controlled by predictive models of asset health and wildfire consequence HFD (Tier 3, Tier 2, and Zone 1) and HFD structures have a baseline inspection frequency of once every three years. In addition to this baseline inspection frequency, we will also conduct detailed inspections on assets based on the following considerations: - Wildfire Risk, which is informed by the asset health Transmission Composite Model V1 (TCM) annualized probability of failure and the Wildfire Consequence Model V1 (WCM) annualized probability of failure. - Other factors involving data not currently integrated into the Wildfire Transmission Risk Model V1 (see inspection reach bands, historic fire locations, etc.) - Insulation status on the strategy, please refer to Section 8.1.3.1 of our 2023 WMP. - The effect of hardware and other changes to lines will be monitored for by our IVP model which uses machine learning to quantify asset outages and ignitions and uses these as a basis for ignition and outage potential (not meant to be used for PSEP modeling). Thus, any improvements to the system or changes will not be incorporated as their historical performance changes. - As mentioned, PG&E models circuits at the most granular level for de-energization taking into account all devices on the system that do not pose an ignition risk. - As mentioned, PG&E models circuits at the most granular level for de-energization taking into account all devices on the system that do not pose an ignition risk. - As mentioned, PG&E models circuits at the most granular level for de-energization taking into account all devices on the system that do not pose an ignition risk.	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/eng_global/common/pdf/va/06-discovery-2023-wmp-06-q15-ca/06-discovery-2023-wmp-06-q15-ca.xlsx	0	NA	2022 WMP 7.3.4.1 and 7.3.4.14	Asset Management and Inspections	NA
Pre-Discovery 41	CA/PA	Sat WMP-06	CA/PA_Sat WMP-06	16	CA/PA_Sat WMP-06_Q16	Regarding your PSEP circuit modeling capabilities: Please describe any improvements to the present PSEP circuit modeling capabilities that you expect to implement in 2024. Please describe any improvements to the present PSEP circuit modeling capabilities that you expect to implement in 2024. Please describe the expected state of your PSEP circuit modeling capabilities at the conclusion of the 2023-2025 WMP cycle.	At all of our locations, PG&E understands circuit modeling to mean the level of granularity at which utility can model the configuration of its electrical assets and de-energize them as such. PG&E models and de-energizes circuits, all of switching devices, all of switching devices on the system that do not pose an ignition risk. The effects of hardware and other changes to lines will be monitored for by our IVP model which uses machine learning to quantify asset outages and ignitions and uses these as a basis for ignition and outage potential (not meant to be used for PSEP modeling). Thus, any improvements to the system or changes will not be incorporated as their historical performance changes. As mentioned, PG&E models circuits at the most granular level for de-energization taking into account all devices on the system that do not pose an ignition risk. As mentioned, PG&E models circuits at the most granular level for de-energization taking into account all devices on the system that do not pose an ignition risk. As mentioned, PG&E models circuits at the most granular level for de-energization taking into account all devices on the system that do not pose an ignition risk.	Holly Whitman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/eng_global/common/pdf/va/06-discovery-2023-wmp-06-q16-ca/06-discovery-2023-wmp-06-q16-ca.xlsx	0	NA	PSEP	NA	NA

32	CaPA	Sat WMP-09	CaPA_Sat WMP-09_01	1	<p>P. 10 of PG&E's WMP states, "We have completed certain programs and removed some less impactful targets from the 2023 WMP."</p> <p>a) Please list the "less impactful" targets that were removed from the 2023 WMP.</p> <p>b) Please explain how PG&E determined that the target was "less impactful."</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	1	Executive Summary & Overview	NA
33	CaPA	Sat WMP-09	CaPA_Sat WMP-09_02	2	<p>P. 101 of PG&E's WMP states, "Increased temperatures can cause electric equipment to wear more quickly which increases the need for more frequent asset replacement. Higher temperatures may cause equipment to fail resulting in customer outages."</p> <p>a) What steps has PG&E taken to mitigate the increased risk of asset failure anticipated from higher temperatures?</p> <p>b) What steps does PG&E plan to take during the 2023-2025 WMP period to mitigate the increased risk of asset failure anticipated from rising temperatures?</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	5.3-4.2	Overview of the Service Territory	Climate Change Phenomena and Trends
34	CaPA	Sat WMP-09	CaPA_Sat WMP-09_03	3	<p>P. 586 of PG&E's WMP states, "We continue our assessment through the Electric Program Investment Charge 3.45, 'Automated Fire Detection from Wildfire Alert Cameras' program. Through an assessment period to be determined, all AI detection cameras will improve our detection system and in 2023 we will select a vendor to install AI detection on cameras."</p> <p>a) How does PG&E determine that AI detection would improve its detection system?</p> <p>b) Please identify any available studies, analyses or reports to support your statements in response to part (a).</p> <p>c) At the beginning of 2023, how much has PG&E spent on the Electric Program Investment Charge 3.45, 'Automated Fire Detection from Wildfire Alert Cameras' program?</p> <p>d) How much does PG&E forecast spending on the Electric Program Investment Charge 3.45, 'Automated Fire Detection from Wildfire Alert Cameras' program through the year 2023-2025?</p> <p>e) When is the earliest date that PG&E expects to realize benefits from automated fire detection?</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	1	NA	8.3-4.2	Stratified Assessment and Forecasting	Ignition Detection Systems
35	CaPA	Sat WMP-09	CaPA_Sat WMP-09_04	4	<p>P. 174 of PG&E's WMP states, "The results of the PSPS Consequence Model are then calibrated to PG&E's Enterprise Risk Matrix (ERM) Risk Score for PSPS. For each component in PG&E's ERM, explain how the results of the PSPS Consequence Model are calibrated to the ERM."</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	3	NA	6.2-2.3	Risk Methodology and Assessment	Risk and Risk Components Calculation
36	CaPA	Sat WMP-09	CaPA_Sat WMP-09_05	5	<p>P. 161 of PG&E's WMP discusses Group C, Above-Grade Hardware, in the context of PG&E's WTRM Group C. See the last sub-section, PG&E states, "Risk Group C consists of components that are not directly aligned with the bulk of the activities. These include the transformer pole bulk."</p> <p>a) Does the WTRM apply the same hazards and threats to all components within a grouping? Please explain your answer.</p> <p>b) Does PG&E's grouping within the WTRM account for any hazards that may be unique to a subset of hardware within the group?</p> <p>c) Hazard poles may be subject to wear such as "springing" that the main structure may experience. How does PG&E account for the wear on hazard poles within the WTRM?</p> <p>d) What group within the WTRM includes a chow? Please explain your justification for your answer to part (c).</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	6.2-2.1	Risk Methodology and Assessment	Risk and Risk Components Calculation
37	CaPA	Sat WMP-09	CaPA_Sat WMP-09_06	6	<p>P. 152 of PG&E's WMP states, "To-risk areas are defined as the areas corresponding to those 100 or 100+ in power delivery PG&E overhead electrical infrastructure locations and that are in the upper 20th percentile based on WORM's risk scores."</p> <p>a) By "upper 20th percentile," does PG&E mean the 80th through 100th percentile, as percentages are conventionally defined (i.e., the highest quality risk scores)?</p> <p>b) In the above statement, does "100 or 100+ WORM risk scores" include all WORM risk scores which encompasses most of PG&E's service territory or a subset (for example, the upper 20th percentile of those WORM risk scores located within the FTFD)? Please explain your answer.</p> <p>c) How are power delivery areas included in the "upper 20th percentile" as this term is used in PG&E's WMP?</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	6.1-1.2	Risk Methodology and Assessment	Top Risk Areas Within the HFRS
38	CaPA	Sat WMP-09	CaPA_Sat WMP-09_07	7	<p>P. 73 of PG&E's WMP states, "We created a specific stress index model for PG&E bus health and mortality."</p> <p>a) When is PG&E's specific stress index model for bus health and mortality?</p> <p>b) How does PG&E utilize its specific stress index model for bus health and mortality?</p> <p>c) Please describe the data used to build the model.</p> <p>d) Please describe the outputs of the model.</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	4.4	Overview of WMP	Risk-Informed Framework
39	CaPA	Sat WMP-09	CaPA_Sat WMP-09_08	8	<p>P. 526 of PG&E's WMP states, "The primary target for secondary patios in FTFD and HFRS is enforcement and additional areas are included in appropriate address registration associated areas."</p> <p>a) 201 states, "Beginning in 2023, PG&E will use the annual review of AOC, but we committed to doing so in PG&E 2023 to identify areas subject to second patios."</p> <p>b) Is there a difference between "secondary patios" and "second patios" in the two passages quoted above? If so, please explain the difference.</p> <p>c) In 2022, PG&E's secondary patrol cover the entire FTFD? Please explain your answer.</p> <p>d) In 2023, PG&E's secondary patrol cover the entire FTFD? Please explain your answer.</p> <p>e) In PG&E planning to cover fewer circuit miles with second patios in 2023 than were covered in 2022? Please explain your answer.</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	8.2-2.2	Vegetation Management and Inspections	Distribution Second Patrol
40	CaPA	Sat WMP-09	CaPA_Sat WMP-09_09	9	<p>P. 342 of PG&E's WMP states, "In July 2021, PG&E launched a multi-year program to underground 10,000 150kV overhead circuit miles to high voltage."</p> <p>a) Since the July 2021 announcement of a 10,000-mile undergrounding program, has PG&E performed any studies to determine whether the program is still a 10,000 circuit mile effort to be realized?</p> <p>b) If the answer to part (a) is no, please explain why.</p> <p>c) Does PG&E plan to perform any studies or analyses during the 2023-2025 WMP period to determine whether 10,000 circuit miles will be the appropriate scope to target for undergrounding?</p> <p>d) If the answer to part (c) is yes, please describe the planned scope and timing of such studies.</p> <p>e) If the answer to part (c) is no, please explain why.</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	2	NA	8.1-2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
42	CaPA	Sat WMP-09	CaPA_Sat WMP-09_011	11	<p>P. 963 of PG&E's WMP states, "On average, it takes 125 USD circuit miles to replace 1 OH mile. However, at times, this number can be as high as 1,000 USD circuit miles to replace 1 OH mile."</p> <p>a) Does PG&E target a range of 10,000 miles of undergrounding relative to the number of OH circuit miles to be recast underground or the number of underground miles to be installed?</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	Appendix D	Areas for Contingent Improvement	ACI PG&E-23-34 - Review Process of Prioritizing Wildfire Mitigation
43	CaPA	Sat WMP-09	CaPA_Sat WMP-09_012	12	<p>When is PG&E's current forecast cost per circuit mile for undergrounding projects completed in the second half of 2023?</p> <p>a) Please provide responses to support your answer to part (a).</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	0	NA	8.1-2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
44	CaPA	Sat WMP-09	CaPA_Sat WMP-09_013	13	<p>What is PG&E's forecast REE for undergrounding completed in the second half of 2023?</p> <p>a) Please provide responses to support your answer to part (a).</p>	Holly Whitman	4/4/2023	4/7/2023	4/7/2023	1	NA	8.1-2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution

59	CaPA	Sat WMP-10	CaPA_SatWMP-10_12	12	CaPA_SatWMP-10_12	<p>4) Please refer to page 837 of our 2023 WMP which defines external factors as follows: "External Factors represent reasonable circumstances which may impact inspection timelines, activities, other work, or performance metrics including, but not limited to: physical conditions, weather-related, environmental delays, customer refusals or non-compliance, permitting delays/hiccups, weather conditions, removed or disrupted assets, active wildfires, operations or exceptions to regulatory requirements, and other safety considerations." Specifically, each of the items identified in the definition could apply to asset tag work and cause for work to be delayed. As an example, the severe and repeated storms in the first quarter of 2023 have caused delays in performing our asset tag work and fall under the category of external factors.</p> <p>5) Physical conditions: To mitigate the impacts of physical conditions, we work with our leadership and strategy teams to create solutions specifically tailored to the individual situation. However, despite these efforts, there are times when we must simply await the removal of the external physical conditions in order to proceed with work as there is no other reasonable alternative.</p> <p>WMP-Overview2023_09_California_201-0012 Page 2</p> <p>6) Laborer refusals: To mitigate the impacts of laborer refusals, we work with our local government affairs team to help resolve the refusals in the most efficient way possible on an as-needed basis. To mitigate the impacts of environmental delays, we work with our environmental and strategy teams to create solutions specifically tailored to the individual situation. However, despite these efforts, there are times when we must simply await the removal of the external environmental conditions in order to proceed with work as there is no other reasonable alternative.</p> <p>7) Customer refusals or non-compliance: To mitigate the impacts of customer refusals or non-compliance, we work with our local government affairs team to resolve the refusals as there is no other reasonable alternative.</p> <p>8) Permitting delays/hiccups: To mitigate the impacts of permitting delays and rejections, we work with our leadership and government affairs teams to help the delays as there is no other reasonable alternative.</p> <p>9) Weather conditions: To mitigate the impacts of weather conditions, we work with our leadership, strategy and meteorology teams to create solutions specifically tailored to the individual situation. However, despite these efforts, there are times when we must simply await the removal of the external physical conditions in order to proceed with work as there is no other reasonable alternative.</p> <p>10) Active wildfire: During active wildfires, we focus on emergency operations and assisting impacted customers. While we assess external wildfire conditions to be removed to proceed with work, we also plan for future situations with our emergency planning and preparedness teams.</p> <p>11) Other safety considerations: Depending on the specific type of safety consideration, we work with our leadership and strategy teams to create a specifically tailored plan to resolve the situation.</p> <p>12) As we roll out our 2023 WMP, PG&E is currently prioritizing HF TDR/FRA ignition risk tags, but PG&E will complete ignition risk tags outside HF TDR/FRA as resources become available.</p>	Hedy Wehrman	4/4/2023	4/10/2023	4/10/2023	https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan	0	N/A	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags
60	CaPA	Sat WMP-10	CaPA_SatWMP-10_13	13	CaPA_SatWMP-10_13	<p>1) PG&E will complete new ignition risk tags in compliance with GO 95 rule 18 timelines for those ignition risk tags located outside the HF TDR/FRA? Please explain your answer.</p> <p>2) Table PG&E-1.3-1 on p. 451 of PG&E's WMP Update, "Final Safety Assessment (FSR) performed annually or line dependent tag to confirm FSR? Notification that is escalated to Priority A or B?"</p> <p>3) Under PG&E's current procedures and policies, can a FSR be escalated the priority of a notification? Please explain your answer.</p> <p>4) Under PG&E's current procedures and policies, can a FSR be used to extend the due date of a notification beyond GO 95 rule 18 timeline? Please explain your answer.</p>	Hedy Wehrman	4/4/2023	4/10/2023	4/10/2023	https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan	0	N/A	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags
61	CaPA	Sat WMP-10	CaPA_SatWMP-10_14	14	CaPA_SatWMP-10_14	<p>1) Table PG&E-1.3-3 on p. 456 of PG&E's WMP Update has empty cells in the FSR row.</p> <p>2) Please explain why the FSR row is empty in the above table.</p> <p>3) Please explain an updated version of Table PG&E-1.3-3 with the FSR row filled in.</p>	Hedy Wehrman	4/4/2023	4/10/2023	4/10/2023	https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan	0	N/A	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags
62	CaPA	Sat WMP-10	CaPA_SatWMP-10_15	15	CaPA_SatWMP-10_15	<p>1) In response to date request CA/Infrared/PG&E-2023/WMP/03, question 3, PG&E states: "There is an inherent OC process that is part of the above inspections, but there is no unique grid that looks at OC."</p> <p>2) Please describe the inherent OC process for those inspections. What are the main features of this inherent OC process?"</p> <p>3) What types of features or items do those inspections can the inherent OC process identify?"</p> <p>4) Please identify the five most common problems or items in those inspections that the inherent OC process identified in 2022.</p> <p>5) What are the limitations of this inherent OC process?"</p>	Hedy Wehrman	4/4/2023	4/10/2023	4/10/2023	https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan	0	N/A	8.1.3	Asset Inspections	NA
4	MGR	Date Request No. 1	MGR_A_Data Request No. 1_G1	1	MGR_A_Data Request No. 1_G1	<p>1) Please provide for Asset Point data for Camera, Fire, Support Structures, and Weather Station.</p>	Joseph Mitchell	3/29/2023	4/10/2023	4/10/2023	https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan	1	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
5	MGR	Date Request No. 1	MGR_A_Data Request No. 1_G2	2	MGR_A_Data Request No. 1_G2	<p>1) Please provide Line data for Transmission Line (as permitted in non-confidential), Primary Distribution Line, and Secondary Distribution Line.</p>	Joseph Mitchell	3/29/2023	4/10/2023	4/10/2023	https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
6	MGR	Date Request No. 1	MGR_A_Data Request No. 1_G3	3	MGR_A_Data Request No. 1_G3	<p>1) Please provide PSP Event data, including Event Log, Event Log, Event Histogram, Please exclude customer meter data. Please add PSPS Event Asset Damage data including photos.</p>	Joseph Mitchell	3/29/2023	4/10/2023	4/10/2023	https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
7	MGR	Date Request No. 1	MGR_A_Data Request No. 1_G4	4	MGR_A_Data Request No. 1_G4	<p>1) Please provide Risk Event Point data, including Wire Down, Ignition, Transmission Upstream Outage, Distribution Upstream Outage, Distribution Vegetation Caused Upstream Outage, Risk Event Asset Log.</p>	Joseph Mitchell	3/29/2023	4/10/2023	4/10/2023	https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
8	MGR	Date Request No. 1	MGR_A_Data Request No. 1_G5	5	MGR_A_Data Request No. 1_G5	<p>1) Please provide photos for Risk Events.</p>	Joseph Mitchell	3/29/2023	4/10/2023	4/10/2023	https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
9	MGR	Date Request No. 1	MGR_A_Data Request No. 1_G6	6	MGR_A_Data Request No. 1_G6	<p>1) Under Infrared, please provide Grid Handing data, including Handing Log, Handing Point, and Handing Line data. Inspection data is not requested at this time.</p>	Joseph Mitchell	3/29/2023	4/10/2023	4/10/2023	https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
10	MGR	Date Request No. 1	MGR_A_Data Request No. 1_G7	7	MGR_A_Data Request No. 1_G7	<p>1) Under Infrared, please provide Other Infrared data by point, the polygon boundary, and the Other Infrared Log.</p>	Joseph Mitchell	3/29/2023	4/10/2023	4/10/2023	https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
11	MGR	Date Request No. 1	MGR_A_Data Request No. 1_G8	8	MGR_A_Data Request No. 1_G8	<p>1) Under Other Requested Data, please provide Red Flag Warning Day polygon data.</p>	Joseph Mitchell	3/29/2023	4/10/2023	4/10/2023	https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
12	MGR	Date Request No. 1	MGR_A_Data Request No. 1_G9	9	MGR_A_Data Request No. 1_G9	<p>1) Please provide a layer indicating calculated critical-risk level using the methodology provided in the WMP.</p> <p>2) If independent probability and consequence layers exist, please provide these independently as well.</p>	Joseph Mitchell	3/29/2023	4/10/2023	4/10/2023	https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-04-ignition-risk-tag-work-plan	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
103	CaPA	Sat WMP-12	CaPA_SatWMP-12_01	1	CaPA_SatWMP-12_01	<p>1) Regarding Table 9-2 (List of Frequently De-energized Circuits) Appendix F of PG&E's WMP, the column "Measures Taken or Planned to Be Taken to Reduce the Need for and Impact of Future PSPS of Circuit" is blank for the following distribution circuit Entry Numbers: 7.8, 11, 16, 17, 18, 28, 29, 30, 37, 38, 39, 47, 55, 62, 63, 70, 74, 97, 100, 110, 113, 122, 125, 130, 140, 151, 153, 160, 170, 179, 180.</p> <p>2) For each of the above Entry Numbers, please explain why "Measures Taken or Planned to Be Taken to Reduce the Need for and Impact of Future PSPS of Circuit" is blank.</p> <p>3) For each of the above Entry Numbers, please state whether PG&E plans to take any measures during the 2023-2025 WMP period to reduce the need for and impact of future PSPS on the circuit.</p> <p>4) For each item in part (3) above, PG&E does not plan to take any measures to reduce the need for or impact of future PSPS on the circuit, please state the data table for this circuit.</p>	Hedy Wehrman	4/8/2023	4/11/2023	4/11/2023	https://www.pge.com/na/about/communications/2023-04-08-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-08-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-08-ignition-risk-tag-work-plan	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
104	CaPA	Sat WMP-12	CaPA_SatWMP-12_02	2	CaPA_SatWMP-12_02	<p>1) Regarding Table 9-2 (List of Frequently De-energized Circuits) Appendix F of PG&E's WMP, the column "Measures Taken or Planned to Be Taken to Reduce the Need for and Impact of Future PSPS of Circuit" is blank for the following distribution circuit Entry Numbers: 202, 227, 407 for each of the above Entry Numbers, please explain why "Measures Taken or Planned to Be Taken to Reduce the Need for and Impact of Future PSPS of Circuit" is blank for each of these above Entry Numbers. Please state whether PG&E plans to take any measures during the 2023-2025 WMP period to reduce the need for and impact of future PSPS on the circuit.</p> <p>2) For each item in part (1) above, PG&E does not plan to take any measures to reduce the need for or impact of future PSPS on the circuit, please state the data table for this circuit.</p>	Hedy Wehrman	4/8/2023	4/11/2023	4/11/2023	https://www.pge.com/na/about/communications/2023-04-08-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-08-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-08-ignition-risk-tag-work-plan	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits
105	CaPA	Sat WMP-12	CaPA_SatWMP-12_03	3	CaPA_SatWMP-12_03	<p>1) Regarding Table 9-2 (List of Frequently De-energized Circuits) Appendix F of PG&E's WMP, distribution circuit Entry Numbers: 1, 21, 22, 23, 24, 25, 26, 27, 33, 34, 44, 45, 49, 63, 64, 66, 69, 117, 119, 124, 127, 128, 132, 133, 131, 141, 142, 143, 146, 148, 149, 152, 154, 157, 161, 166 of Measures Taken or Planned to Be Taken to Reduce the Need for and Impact of Future PSPS of Circuit is blank for each of these above Entry Numbers. Please explain why PG&E plans to take any measures during the 2023-2025 WMP period to reduce the need for and impact of future PSPS on the circuit.</p> <p>2) For each item in part (1) above, PG&E does not plan to take any measures to reduce the need for or impact of future PSPS on the circuit, please state the data table for this circuit.</p>	Hedy Wehrman	4/8/2023	4/11/2023	4/11/2023	https://www.pge.com/na/about/communications/2023-04-08-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-08-ignition-risk-tag-work-plan https://www.pge.com/na/about/communications/2023-04-08-ignition-risk-tag-work-plan	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De-Energized Circuits

186	CAFA	Sat WMP-15	CaPA_Sat WMP-15	17	CaPA_Sat WMP-15_017	<p>FGSE takes in the response to Question 17 of California PGE-2023WMP-08 that "For Routine and Seasonal Forest PGSE does not currently have standards specific to high-risk species", but that species lists will be incorporated into Focused Tree Inspections plans in 2023. PGSE takes in the response to Question 17(b) that "Development of any standards related to high-risk species is still being determined and contingent upon completion of FTI pilots in 2023. An determination will be made specific to that program as its guidance is finalized following the pilots."</p> <p>Why does PGSE not have standards specific to high-risk species for routine and seasonal patrol?</p> <p>Why does PGSE only plan to develop standards related to high-risk species for Areas of Concern, rather than throughout its service territory?</p> <p>Why is PGSE considering the standards for high-risk species?</p> <p>What method is PGSE using to establish the standards for high-risk species?</p> <p>What approach is being used to coordinate with?</p> <p>Are PGSE's consultation requirements final only review, peer review, or some other method to provide additional assurance of that proposed standard?</p> <p>Why does PGSE include several comments related to high-risk species developed for its Areas of Concern for use throughout its service territory?</p> <p>What plans does PGSE have related to high-risk species developed for its Areas of Concern for use throughout its service territory?</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	0	N/A	8.2.3.6	Vegetation Management and Inspections	High-Risk Species
187	CAFA	Sat WMP-15	CaPA_Sat WMP-15	18	CaPA_Sat WMP-15_018	<p>FGSE takes in the response to Question 17 of California PGE-2023WMP-08 that "The Quality Management team has begun an initial scoping phase for its Field Quality Control Active Observation Programs by the following core vegetation management programs: Routine Distribution, Second Patrol Distribution, Vegetation Control, and Routine Treatment."</p> <p>Please state the basis, provide the method, and supporting documentation for the aforementioned 88% target value.</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	2	N/A	8.2.3.6	Vegetation Management and Inspections	High-Risk Species
188	CAFA	Sat WMP-15	CaPA_Sat WMP-15	19	CaPA_Sat WMP-15_019	<p>In its response to Question 5 of California PGE-2023WMP-08, PGSE provided the following table of actual and forecasted costs for vegetation management programs. PGSE further states that "The EVM Transitional programs for VM are Focused Tree Inspections, VM for Operational Mitigation, and Tree Removal Inventory."</p> <p>Why does PGSE include the table to include the actual and forecasted costs for each EVM Transitional Program, including Focused Tree Inspections, VM for Operational Mitigation, and Tree Removal Inventory?</p> <p>Why does PGSE include the table to include the actual and forecasted costs for each EVM Transitional Program, including Focused Tree Inspections, VM for Operational Mitigation, and Tree Removal Inventory?</p> <p>Why does PGSE include the table to include the actual and forecasted costs for each EVM Transitional Program, including Focused Tree Inspections, VM for Operational Mitigation, and Tree Removal Inventory?</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	0	N/A	8.2.5.2	Vegetation Management and Inspections	Quality Control
189	CAFA	Sat WMP-15	CaPA_Sat WMP-15	20	CaPA_Sat WMP-15_020	<p>In its response to Question 19(b) of California PGE-2023WMP-08, PGSE asks, "We do not have a separate tracking planned schedule date for individual trees and are unable to provide the date of this time." Why does PGSE plan to continue to track for planting removal work date for individual trees?</p> <p>How does PGSE ensure that the data is accurate?</p> <p>How does PGSE ensure that the data is accurate?</p> <p>How does PGSE ensure that the data is accurate?</p> <p>How does PGSE ensure that the data is accurate?</p>	Holly Whitman	4/11/2023	4/14/2023	4/14/2023	0	N/A	8.2.3.4	Vegetation Management and Inspections	Field Mitigation
170	TURN	004	TURN_004	1	TURN_004_01	<p>Following up on the response to TURN_004 Request 1, Question 3, please provide PGSE's data about the recorded reliability improvements at locations that have been undergrounded and/or have transformed with covered conductors that will be assessed in the study planned for completion in June 30, 2023.</p>	Tom Long	4/12/2023	4/17/2023	4/17/2023	1	Yes	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
171	TURN	004	TURN_004	2	TURN_004_02	<p>Please state the information provided with the response column confidence interval.</p> <p>How does PGSE calculate the confidence interval for the 2022 PPS Five Year Lookback Analysis (2018-2022) in an analysis which shows the hypothetical PPS events created by applying 2022 PPS guidance to the weather from 2018-2022. This is not most accurate method of estimating PPS impacts and does not take into account the weather variability for individual customers. The fact that the weather for 2018-2022 is included in the PPS customer data, but not in the PPS customer data, creates a bias in the analysis. Customers whose PPS events occurred at the end of the year are not included in the dataset. Some customers in this dataset may experience short-term outages due to use of a downstream MSO device in the hypothetical PPS events. When these PPS events are included in the PPS customer data, the number of customer outages will increase. If those events occur during the PPS Conditions, this results in an incremental expansion of the PPS scope. The number and location of these short and medium term outages in our system varies day-by-day and cannot be accurately forecasted for PPS events. This expansion in scope is also not captured in the 2022 PPS guidance. The number of short and medium term outages will increase when used in 2023 PPS guidance, excluding the January 15, 2021 PPS event (which used the 2020 PPS guidance) and that do not have a scope increase to 1500.</p> <p>How does PGSE ensure that the data is accurate?</p> <p>How does PGSE ensure that the data is accurate?</p> <p>How does PGSE ensure that the data is accurate?</p> <p>How does PGSE ensure that the data is accurate?</p>	Tom Long	4/12/2023	4/17/2023	4/17/2023	1	N/A	Appendix D	Areas for Continued Improvement	ACI PGE-22-35 Quantify Mitigation Benefits of Reducing PPS Scope, Scope, and Frequency
172	TURN	004	TURN_004	3	TURN_004_03	<p>Regarding PGSE's response to ACI PGE-22-35, beginning on page 07 of its WMP:</p> <p>How does PGSE identify each mitigation discussed in PGSE's current WMP or its 2023 WMP that has the potential to mitigate the scope, scope, frequency, or duration of PPS events?</p> <p>How does PGSE identify each mitigation discussed in PGSE's current WMP or its 2023 WMP that has the potential to mitigate the scope, scope, frequency, or duration of PPS events?</p> <p>How does PGSE identify each mitigation discussed in PGSE's current WMP or its 2023 WMP that has the potential to mitigate the scope, scope, frequency, or duration of PPS events?</p> <p>How does PGSE identify each mitigation discussed in PGSE's current WMP or its 2023 WMP that has the potential to mitigate the scope, scope, frequency, or duration of PPS events?</p> <p>How does PGSE identify each mitigation discussed in PGSE's current WMP or its 2023 WMP that has the potential to mitigate the scope, scope, frequency, or duration of PPS events?</p>	Tom Long	4/12/2023	4/17/2023	4/17/2023	0	N/A	Appendix D	Areas for Continued Improvement	ACI PGE-22-35 Quantify Mitigation Benefits of Reducing PPS Scope, Scope, and Frequency
174	CAFA	Sat WMP-14	CaPA_Sat WMP-14	1	CaPA_Sat WMP-14_01	<p>P. 347 of PGSE's WMP states (regarding PGE's undergrounding program), "Among other benefits, the reduced peak can decrease the total number of repairs in the initial years of the program."</p> <p>Please list the "other benefits" referenced in the quote above.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
175	CAFA	Sat WMP-14	CaPA_Sat WMP-14	2	CaPA_Sat WMP-14_02	<p>P. 347 of PGSE's WMP states (regarding PGE's undergrounding program), "Among other benefits, the reduced peak can decrease the total number of repairs in the initial years of the program."</p> <p>Please list the "other benefits" referenced in the quote above.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.1.2.6.1	Grid Design and System Hardening	Distribution, Transmission, and Substation Fire Action Schemes and Technology
176	CAFA	Sat WMP-14	CaPA_Sat WMP-14	3	CaPA_Sat WMP-14_03	<p>P. 165 of PGSE's WMP discusses Breakaway Connectors, and states, "The breakaway disconnect uses a weak link to provide a predictable point of separation and the service will then fall to the ground, de-energized."</p> <p>What is the maximum wind speed that Breakaway Connectors can handle without separating?</p> <p>How does PGSE ensure that the wind speed is not exceeded?</p> <p>How does PGSE ensure that the wind speed is not exceeded?</p> <p>How does PGSE ensure that the wind speed is not exceeded?</p> <p>How does PGSE ensure that the wind speed is not exceeded?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.1.2.6.2	Grid Design and System Hardening	Breakaway Connector
177	CAFA	Sat WMP-14	CaPA_Sat WMP-14	4	CaPA_Sat WMP-14_04	<p>P. 319 of PGSE's WMP states, "Breakaway disconnect does not impact PPS risk." Please state the basis for the above quote.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.1.2.6.2	Grid Design and System Hardening	Breakaway Connector

128	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	5	CAIPA_Sat WMP-14_05	<p>Temporary Distribution Merged available to operate in 2020</p> <p>Number of 2022 PPSB events supported</p> <p>Approx. qty of service poles energized per 2022 PPSB event</p> <p>Shinglerway 19</p> <p>Calagata 1156</p> <p>Powerline (temporary configuration without a pre-installed interconnection hub)</p> <p>2027</p> <p>Chavasta North (temporary configuration without a pre-installed interconnection hub)</p> <p>2021</p> <p>Chavasta South (temporary configuration without a pre-installed interconnection hub)</p> <p>2021</p> <p>Temporary Distribution Merged available to operate in 2021</p> <p>Number of 2022 PPSB events supported</p> <p>Approx. qty of service poles energized per 2022 PPSB event</p> <p>Aspen 148</p> <p>Aspen 183</p> <p>Calagata 1156</p> <p>Chavasta 130</p> <p>Georgetown via Powerline 19</p> <p>Fernwell 0 n/a</p> <p>Madisonville 0 n/a</p> <p>2022</p> <p>Temporary Distribution Merged available to operate in 2022</p> <p>Number of 2022 PPSB events supported</p> <p>Approx. qty of service poles energized per 2022 PPSB event</p> <p>Aspen 0 n/a</p> <p>Shinglerway 0 n/a</p> <p>Calagata 0 n/a</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.7.2	Grid Design and System Hardware	Temporary Distribution Mergers
129	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	6	CAIPA_Sat WMP-14_06	<p>P. 365 of PGE's WMP states, "Temporary distribution microgrids are designed to support community resilience and reduce the number of customers impacted by PPS by energizing 'main street corridors' with clusters of elevated assets and critical facilities so that those resources can continue serving surrounding residents during PPS events."</p> <p>1) Please list the temporary distribution microgrid that PGE had available in 2020, 2021, and 2022 to mitigate the effect of a possible PPSB event.</p> <p>2) For each temporary distribution microgrid listed in part 1), state the number of times the temporary distribution microgrid was used in 2020, 2021, and 2022 to mitigate the effect of a PPSB event.</p> <p>3) For each instance in part 1), list the number of customers that remained energized during a PPSB event.</p> <p>4) How does PGE determine when locations would warrant deployment of a temporary distribution microgrid?</p> <p>5) How does PGE determine when to deploy a temporary distribution microgrid? 6) How does PGE determine when to remove a deployed temporary distribution microgrid?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.7.3	Grid Design and System Hardware	Community Microgrid Enablement Program and Microgrid Incentive Program
130	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	7	CAIPA_Sat WMP-14_07	<p>P. 365 of PGE's WMP states, "The successful deployment of RCAM provides a model for other communities to consider the development of their own microgrid energy resilience."</p> <p>1) How does PGE determine the success of the RCAM?</p> <p>2) Please provide data to support the success of the RCAM.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	4	N/A	8.12.7.3	Grid Design and System Hardware	Community Microgrid Enablement Program and Microgrid Incentive Program
131	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	8	CAIPA_Sat WMP-14_08	<p>P. 366 of PGE's WMP states, "For 2023, we have planned to install devices that will provide significant reliability benefits on lines that are the most at risk of PPSB."</p> <p>1) Please quantify the "significant reliability benefit" that will be provided from devices installed in 2023.</p> <p>2) Please provide any available resources or studies to support your response to part 1).</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.8.1	Grid Design and System Hardware	Installation of System Automation Equipment - Distribution Protective Devices
132	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	9	CAIPA_Sat WMP-14_09	<p>P. 385 of PGE's WMP states that it will perform a "Substation Annual Abatement Effectiveness Study" in 2023.</p> <p>1) When does PGE expect to begin the Substation Annual Abatement Effectiveness Study?</p> <p>2) When does PGE expect to complete the Substation Annual Abatement Effectiveness Study?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.12.2	Grid Design and System Hardware	Other Technologies and System - Substation Annual Abatement
133	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	10	CAIPA_Sat WMP-14_10	<p>P. 393 of PGE's WMP states, "In 2022 PGE implemented revisions to TO-2326, which incorporated reliability best practices as well as adjusted the risk rejection criteria." Please list the adjustments that PGE made to the TO-2326.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.15	Asset Inspection	Invasive Pole Inspection
134	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	11	CAIPA_Sat WMP-14_11	<p>P. 402 of PGE's WMP states, "PGE assigned pilot maps as extreme, severe, high, medium, or low based on the average wildfire consequence of the structures within that pilot map."</p> <p>1) In the description described above based on the wildfire consequence scores from the WDRM or the WDRM 4?</p> <p>2) How frequently does PGE plan to evaluate the pilot map designations described above?</p> <p>3) When PGE re-evaluates the pilot map designations, what steps will PGE take regarding a pilot map that has redesignated as a lower consequence or a higher consequence?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.13.2.1	Asset Inspection	Detailed Ground Inspection
135	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	12	CAIPA_Sat WMP-14_12	<p>Table PGE-8.1.7.4 on page 454 of PGE's WMP states that PGE added 41,869 distribution work orders to its list of WDRM backlog in 2022.</p> <p>1) What measures has PGE implemented to ensure that it will be able to resolve its backlog in 2023 by closing new high-voltage work?</p> <p>2) What factors may prevent PGE from meeting its target regarding backlog reduction in 2023?</p> <p>3) How does PGE plan to ensure that PGE does not miss any high-voltage work that the factor-assignment PGE is not meeting its backlog in 2023?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.7	Open Work Orders	Open Work Orders - Distribution Tags
136	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	13	CAIPA_Sat WMP-14_13	<p>P. 462 of PGE's WMP states, "EPSS does not cause a power outage. Given that EPSS sagging can de-energize a feeder without phasing, and without an apparent cause, please explain what will prevent the above issue."</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.18.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
137	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	14	CAIPA_Sat WMP-14_14	<p>Per PGE's January 2023 EPSS monthly report, PGE experienced 2,975 EPSS outages in 2022.</p> <p>1) Of the EPSS-impinged outages in 2022, in how many of those outages did PGE find that corrective actions were not taken or not completed? 2) If there are no corrective actions, what PGE needs to resolve open the location of the outages?</p> <p>3) During the period from 2020-2022, did PGE determine whether any EPSS outages did not occur as reported?</p> <p>4) If the answer to part 3) is no, please explain why.</p> <p>5) If the answer to part 3) is yes, how many such EPSS-impinged outages occurred in 2022?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.18.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
138	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	15	CAIPA_Sat WMP-14_15	<p>P. 462 of PGE's WMP states, "In 2022, we expanded the scope of EPSS to all HFRA in our service territory and selected selected EPSS buffer areas."</p> <p>1) In 2022, did PGE expand the scope of EPSS to all HFRA and all HFDT?</p> <p>2) If the answer to part 1) is no, please state the basis for the decision.</p> <p>3) In 2022, did PGE expand the scope of EPSS to all HFRA and all HFDT?</p> <p>4) If the answer to part 3) is no, please state the basis for the decision.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.18.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
139	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	16	CAIPA_Sat WMP-14_16	<p>CAIPAs understand that a critical segment that has been underground may still experience PPSB outages if impacted equipment or downstream of the underground segment are subject to PPSB.</p> <p>1) In the above underground context, if a phase correct has been taken, what steps will PGE take to ensure that the 2022-2023 WMP period does not include any temporary microgrids or other mitigations to fully address the risk of a PPSB event de-energizing underground work?</p> <p>2) If the answer to part 1) is no, please explain why.</p> <p>3) If the answer to part 1) is yes, please explain why.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	9.15	Public Safety/Power Staff	Performance Metrics Identified by the Electrical Corporation
140	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	17	CAIPA_Sat WMP-14_17	<p>1) Has PGE performed a study or back cast to predict the likelihood that an underground segment will be subject to PPSB or other outages due to equipment or downstream segments receiving subject to PPSB?</p> <p>2) If the answer to part 1) is no, please explain why.</p> <p>3) If the answer to part 1) is yes, please explain why.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	9.15	Public Safety/Power Staff	Performance Metrics Identified by the Electrical Corporation
141	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	18	CAIPA_Sat WMP-14_18	<p>1) Has PGE performed a study or back cast to predict the likelihood that an underground segment will be subject to PPSB or other outages due to equipment or downstream segments receiving subject to PPSB?</p> <p>2) If the answer to part 1) is no, please explain why.</p> <p>3) If the answer to part 1) is yes, please explain why.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.18.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
143	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	20	CAIPA_Sat WMP-14_20	<p>1) During the period from 2020-2022, did PGE replace any distribution poles as part of its WMP activities for which PGE had not fully recovered the original cost of the pole?</p> <p>2) If the answer to part 1) is no, please explain why.</p> <p>3) If the answer to part 1) is yes, what was PGE's practice regarding cost recovery on the unrecovered portion of the pole associated with the replaced pole?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.3	Grid Design and System Hardware	Distribution Pole Replacements and Reinforcements
144	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	21	CAIPA_Sat WMP-14_21	<p>1) During the period from 2020-2022, did PGE replace any distribution conductor as part of its WMP activities for which PGE had not fully recovered the original cost of the conductor? If yes, please include information on the volume associated with the replaced conductor.</p> <p>2) If the answer to part 1) is no, please explain why.</p> <p>3) If the answer to part 1) is yes, what was PGE's practice regarding cost recovery on the unrecovered portion of the volume associated with the replaced conductor?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.12.5.2	Grid Design and System Hardware	Transmission/Overhead Hardware - Distribution
145	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	22	CAIPA_Sat WMP-14_22	<p>1) During the period from 2020-2022, did PGE replace any distribution transformer as part of its WMP activities for which PGE had not fully recovered the original cost of the transformer?</p> <p>2) If the answer to part 1) is no, please explain why.</p> <p>3) If the answer to part 1) is yes, please provide the number of transformers of each conductor that PGE replaced.</p> <p>4) If the answer to part 3) is yes, please explain why.</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	8.14.11	Equipment Maintenance and Repair	Transformers
146	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14	23	CAIPA_Sat WMP-14_23	<p>1) In 2022, how many gallons did PGE use to clean up oil spills related to overhead covered conductor distribution lines?</p> <p>2) In 2022, how many gallons did PGE use to clean up oil spills related to overhead bare conductor distribution lines?</p> <p>3) In 2022, how many gallons did PGE use to clean up oil spills related to overhead distribution lines?</p>	Holly Whitman	4/11/2023	4/17/2023	4/17/2023	0	N/A	Appendix D	Area for Continued Improvement	ACI PGE-22-06 - Addressing Increases in Oil Use

	ID	Type	Name	Status	Priority	Risk	Owner	Start Date	End Date	Due Date	URL	Status	Risk	Priority	Impact	Category	Sub-category
106	CaPA	Set WMM-12	CaPA_Set WMM-12	SUPP	CaPA_Set WMM-12_C4_SUPP	High	Holly Whitman	4/8/2023	4/18/2023	4/18/2023	https://www.pge.com/html/about/customer/updates/2023_04/20230408_C4_SUPP/	0	NA	9.1.2	Public Safety/Power Shutoff	Identification of Frequently De-energized Circuits	
107	CaPA	Set WMM-12	CaPA_Set WMM-12	SUPP	CaPA_Set WMM-12_CS_SUPP	High	Holly Whitman	4/8/2023	4/18/2023	4/18/2023	https://www.pge.com/html/about/customer/updates/2023_04/20230408_CS_SUPP/	0	NA	9.1.2	Public Safety/Power Shutoff	Identification of Frequently De-energized Circuits	
108	TURN	005	TURN_005	005	TURN_005_01	High	Tom Long	4/13/2023	4/19/2023	4/19/2023	https://www.pge.com/html/about/customer/updates/2023_04/20230413_TURN_005_01/	3	NA	8.1.2	Grid Design and System Hardening	ALL	
109	TURN	005	TURN_005	2	TURN_005_02	High	Tom Long	4/13/2023	4/19/2023	4/19/2023	https://www.pge.com/html/about/customer/updates/2023_04/20230413_TURN_005_02/	0	NA	8.1.2	Grid Design and System Hardening	ALL	
110	TURN	005	TURN_005	3	TURN_005_03	High	Tom Long	4/13/2023	4/19/2023	4/19/2023	https://www.pge.com/html/about/customer/updates/2023_04/20230413_TURN_005_03/	0	NA	8.1.2	Grid Design and System Hardening	ALL	
111	TURN	005	TURN_005	4	TURN_005_04	High	Tom Long	4/13/2023	4/19/2023	4/19/2023	https://www.pge.com/html/about/customer/updates/2023_04/20230413_TURN_005_04/	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution	
112	TURN	005	TURN_005	5	TURN_005_05	High	Tom Long	4/13/2023	4/19/2023	4/19/2023	https://www.pge.com/html/about/customer/updates/2023_04/20230413_TURN_005_05/	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution	
113	TURN	005	TURN_005	6	TURN_005_06	High	Tom Long	4/13/2023	4/19/2023	4/19/2023	https://www.pge.com/html/about/customer/updates/2023_04/20230413_TURN_005_06/	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution	
114	TURN	005	TURN_005	7	TURN_005_07	High	Tom Long	4/13/2023	4/19/2023	4/19/2023	https://www.pge.com/html/about/customer/updates/2023_04/20230413_TURN_005_07/	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution	
115	TURN	005	TURN_005	8	TURN_005_08	High	Tom Long	4/13/2023	4/19/2023	4/19/2023	https://www.pge.com/html/about/customer/updates/2023_04/20230413_TURN_005_08/	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution	
116	CPUC - SPD (Safety Policy Decision)	003	CPUC - SPD (Safety Policy Decision)_003	003	CPUC - SPD (Safety Policy Decision)_003_01	High	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	https://www.pge.com/html/about/customer/updates/2023_04/20230412_CPUC_SPD_003_01/	1	NA	8	Wildfire Mitigation	NA	
117	CPUC - SPD (Safety Policy Decision)	003	CPUC - SPD (Safety Policy Decision)_003	003	CPUC - SPD (Safety Policy Decision)_003_02	High	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	https://www.pge.com/html/about/customer/updates/2023_04/20230412_CPUC_SPD_003_02/	0	NA	8.1.2.1	Grid Design and System Hardening	Covered Conductors Installation - Distribution	
118	CPUC - SPD (Safety Policy Decision)	003	CPUC - SPD (Safety Policy Decision)_003	003	CPUC - SPD (Safety Policy Decision)_003_03	High	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	https://www.pge.com/html/about/customer/updates/2023_04/20230412_CPUC_SPD_003_03/	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution	
119	CPUC - SPD (Safety Policy Decision)	003	CPUC - SPD (Safety Policy Decision)_003	003	CPUC - SPD (Safety Policy Decision)_003_04	High	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	https://www.pge.com/html/about/customer/updates/2023_04/20230412_CPUC_SPD_003_04/	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution	

Req ID	Category	Priority	Sub-Category	Phase	Scope	Description	Dependencies	Impact	Notes	
177	CPUC - SPD (Safety Policy Review)	003	CPUC - SPD Safety Policy Review_003	5	CPUC - SPD Safety Policy Review_003_05	<p>Regarding the LG switchgear location by PG&E 2023-06-27_PGE_2023_WMP_R0_Appendix A-D PG&E 2023-06-27_CDFP (new). Why does Column "P" Risk Rank (V2) begin at Rank 7 (as opposed to 1) for circuit 5? Why does Column "D" Risk Rank (V2) begin at Rank 6 (as opposed to 1) for circuit 4? Why do the gaps rank 1-4 exist? Why does Column "P" Risk Rank (V2) begin at Rank 6 (as opposed to 1) for circuit 4? Why do the gaps rank 1-4 exist?</p>		N/A	Appendix D Area for Continued Improvement AD PG&E 2023-16 - Progress and Update on Underpinning and Risk Prioritization	
71	DEIS	001	DEIS_001	3 SUPP	DEIS_001_03_SUPP	<p>Regarding PG&E's Focused Tree Inspections plan: A. Describe the current state of development for the pilot area, PG&E's Areas of Concern (AOC), and "polygons where focused vegetation inspection can be evaluated to determine appropriate courses to prioritize vegetation." B. Detail the criteria PG&E has used and is using to develop the pilot area, PG&E's Areas of Concern (AOC), and polygons where focused vegetation inspection can be evaluated to determine appropriate courses to prioritize vegetation. C. What standards, processes, procedures, and tools are vegetation management personnel using/will use to perform base risk assessments for the pilot? D. Will PG&E be using the One VEG Tool for reworking for the pilot? If not, what system will PG&E use for reworking for the pilot? E. When is PG&E conducting its Focused Tree Inspections pilot? PG&E has not yet begun in pilot when will PG&E be conducting the Focused Tree Inspections? F. How many circuit miles are in scope for the pilot? G. When the pilot previously reviewed in Emergency Vegetation Management (EVM)? H. For each Circuit Protection Zone (CPZ) in the pilot area provide the: 1. CPZ name. 2. The Weighted Risk Score from PG&E's most recent version of its EVM Tree-Weighted Prioritization List. 3. Risk Rank. 4. Risk Triggers. 5. Other PG&E data to be used to conduct the Focused Tree Inspections including the data to be used if the pilot area includes any circuit miles PG&E plans to inspect under the program in 2023 and 2024. Provide a GIS layer of the pilot area, PG&E's Areas of Concern (AOC), and polygons where focused vegetation inspection can be evaluated to determine appropriate courses to prioritize vegetation (page 529) and: i. Number of overhead circuit miles within the polygon. ii. Circuit miles. iii. EVM Risk. iv. Contact from Vegetation Likelihood of Ignition.</p>	<p>1) 2023 development of Areas of Concern (AOC) used WORM v3 to provide CPZs to inform the pilot area selected. In the four AOC selected for pilots there are 31 CPZs with 22 of these CPZs to be used in 2022 and 9 CPZs to be used in 2023. The remaining CPZs are available to accurately reference CPZs for the EVM Tree Weighted Risk Scores or Rating. These areas are used to create a mitigation and/or operating number changes that do allow for the use of the WORM v3 tool. Where available EVM Tree Weighted Risk Scores and EVM Tree Weighted Rank are provided in the table below:</p>		N/A	8.2.2.5 Vegetation Management and Inspections Focused Tree Inspections
196	CAfA	Sat WMP-16	CAfA_Sat WMP-16	1	CAfA_Sat WMP-16_01	<p>Regarding PG&E's SCADA Underground (UG) Switches: a) Please explain PG&E's operating procedures for operating a SCADA UG switch with emergency or de-energize a circuit or circuit segment. b) Please explain PG&E's verification procedures or other documentation related to your response to part 1) a). c) Please explain in detail PG&E's operating procedure, from start to finish, for the following operation after closing a normally open switch, the switch is returned to its normally closed position during switching. d) Please explain in detail PG&E's operating procedure, from start to finish, for the following operation after closing a normally open switch, the switch is returned to its normally open position during switching.</p>	<p>1) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 2) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 3) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 4) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 5) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment.</p>		N/A	8.1.2.2 Grid Design and System Hardening Underpinning of Electric Lines and/or Equipment
197	CAfA	Sat WMP-16	CAfA_Sat WMP-16	2	CAfA_Sat WMP-16_02	<p>Regarding PG&E's Load Break Elements: a) Please explain PG&E's operating procedures for operating a load break element in a vault to energize or de-energize a circuit or circuit segment. b) Please explain PG&E's verification procedures or other documentation related to your response to part 1) a). c) Please explain in detail PG&E's operating procedure, from start to finish, for the following operation after opening a circuit segment with load break elements that normally in a closed position, the circuit segment is returned to its normally open position during switching. d) Please explain in detail PG&E's operating procedure, from start to finish, for the following operation after opening a circuit segment with load break elements that normally in an open position, the circuit segment is returned to its normally open position during switching.</p>	<p>1) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 2) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 3) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 4) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 5) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment.</p>		N/A	8.1.2.10.3 Grid Design and System Hardening Motor Switch Operator Switch
198	CAfA	Sat WMP-16	CAfA_Sat WMP-16	3	CAfA_Sat WMP-16_03	<p>Regarding PG&E's Junction Boxes: a) Please explain PG&E's operating procedures for operating a junction box in a vault to energize or de-energize a circuit or circuit segment. b) Please explain PG&E's verification procedures or other documentation related to your response to part 1) a). c) Please explain in detail PG&E's operating procedure, from start to finish, for the following operation after closing a normally open switch, the switch is returned to its normally open position during switching. d) Please explain in detail PG&E's operating procedure, from start to finish, for the following operation after closing a circuit segment with a junction box that normally in an open position, the circuit segment is returned to its normally closed position during switching.</p>	<p>1) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 2) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 3) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 4) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 5) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment.</p>		N/A	8.1.2.10 Grid Design and System Hardening Other Grid Technology Improvements to Minimize Risk of Ignition
199	CAfA	Sat WMP-16	CAfA_Sat WMP-16	4	CAfA_Sat WMP-16_04	<p>Regarding PG&E's Selection Criteria for where to install the following equipment on underground circuits: a) SCADA UG switches b) Junction boxes c) Load break elements</p>	<p>1) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 2) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 3) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 4) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 5) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment.</p>		N/A	8.1.2 Grid Design and System Hardening Improvements to Minimize Risk of Ignition
200	CAfA	Sat WMP-16	CAfA_Sat WMP-16	5	CAfA_Sat WMP-16_05	<p>Regarding PG&E's Selection Criteria for where to install the following equipment on underground circuits: a) Pad-mounted transformers b) Substation transformers</p>	<p>1) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 2) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 3) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 4) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 5) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment.</p>		N/A	8.1.2.2 Grid Design and System Hardening Underpinning of Electric Lines and/or Equipment
201	CAfA	Sat WMP-16	CAfA_Sat WMP-16	6	CAfA_Sat WMP-16_06	<p>For each of the underground projects that PG&E has planned for 2023, please answer the following questions (one per project): a) How many SCADA underground switches will be installed? b) How many pad-mounted transformers will be removed? c) How many OH or UG switches to adjacent circuits currently exist? d) How many OH or UG switches to adjacent circuits will be removed? e) How many SCADA switches (OH or UG) will exist when the project is complete? f) How many SCADA switches (OH or UG) will exist when the project is complete? g) How many SCADA underground switches will be installed as in points to adjacent circuits? h) How many SCADA underground switches will be installed for reworking? i) How many pad-mounted transformers will be installed? j) How many substation transformers will be installed? k) How many SCADA underground switches will be installed? l) How many pad-mounted transformers will be installed? m) How many SCADA switches will be installed as in points to adjacent circuits? n) How many pad-mounted transformers will be installed? o) How many SCADA switches will be installed as in points to adjacent circuits? p) How many pad-mounted transformers will be installed?</p>	<p>1) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 2) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 3) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 4) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment. 5) PG&E SCADA Underground (UG) switches are controlled by SCADA UG switches which are programmed to operate a circuit or circuit segment.</p>		N/A	8.1.2.2 Grid Design and System Hardening Underpinning of Electric Lines and/or Equipment

ID	Region	Project Name	Phase	Year	Activity Description	Start	End	Category	Priority	Notes			
202	CAIPA	Set WMP-16	CAIPA_Set WMP-16_07	7	For each of the underground projects that PG&E has planned for 2024, please answer the following questions on each project: a) How many SCADA underground substations will be installed in each circuit? b) How many overhead substations will be removed? c) How many are scheduled to be adjacent circuits currently active? d) How many OH tie substations to adjacent circuits will be removed? e) How many are scheduled (OH or UG) will exist after the project is complete? f) How many SCADA substations will be removed? g) How many SCADA underground substations will be installed as tie points to adjacent circuits? h) How many SCADA underground substations will be installed for reconfiguration? i) How many tie lines will be installed? j) How many tie lines will be installed for reconfiguration? k) How many tie lines will be installed for reconfiguration? l) How many tie lines will be installed for reconfiguration? m) How many tie lines will be installed for reconfiguration? n) How many tie lines will be installed for reconfiguration? o) How many tie lines will be installed for reconfiguration?	4/18/2023	4/01/2025	4/01/2025	0	N/A	6.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
204	CAIPA	Set WMP-16	CAIPA_Set WMP-16_09	9	1.1.10 - Other Grid Topology Improvements to Minimize Risk of Ignition 1.1.10.1 - Other Grid Topology Improvements to Minimize Risk of Ignition 1.1.10.2 - Other Grid Topology Improvements to Minimize Risk of Ignition 1.1.10.3 - Other Grid Topology Improvements to Minimize Risk of Ignition 1.1.10.4 - Other Grid Topology Improvements to Minimize Risk of Ignition 1.1.10.5 - Other Grid Topology Improvements to Minimize Risk of Ignition 1.1.10.6 - Other Grid Topology Improvements to Minimize Risk of Ignition 1.1.10.7 - Other Grid Topology Improvements to Minimize Risk of Ignition 1.1.10.8 - Other Grid Topology Improvements to Minimize Risk of Ignition 1.1.10.9 - Other Grid Topology Improvements to Minimize Risk of Ignition 1.1.10.10 - Other Grid Topology Improvements to Minimize Risk of Ignition	4/18/2023	4/01/2025	4/01/2025	0	N/A	6.1.1.0	Grid Design and System Hardening	Other Grid Topology Improvements to Minimize Risk of Ignition
206	CAIPA	Set WMP-16	CAIPA_Set WMP-16_10	10	Please answer the following questions for each circuit that occurred from 2022 to 2023 in any WFTD area. A circuit outage is when the Substation circuit breaker trips and de-energizes the entire circuit due to a fault. For each circuit outage, please provide the following 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 provide the specific type of failure (i.e., OH transformer failure, overhead cross arm, UG transformer failure, cable failure, etc.). Make sure: 1. The outage location is noted. Make sure you include the mile point. 2. If the date of the circuit is currently undetermined, provide the date that OH or UG location was completed. 3. If all or part of the circuit is in scope of a planned undergrounding project, the forecast completion date of the OH or UG conversion project. e) Please provide a brief narrative calculated overhead line risk using the methodology presented in the WMP-16. If it is not applicable, please provide the methodology used. f) If the methodology used is not the methodology used in the WMP-16, please provide the methodology used in a separate document (e.g., a spreadsheet or PPT) for all risk models. g. A comprehensive diagram for the risk models used h. A comprehensive diagram for the risk models used i. A comprehensive diagram for the risk models used j. A comprehensive diagram for the risk models used k. A comprehensive diagram for the risk models used l. A comprehensive diagram for the risk models used m. A comprehensive diagram for the risk models used n. A comprehensive diagram for the risk models used o. A comprehensive diagram for the risk models used p. A comprehensive diagram for the risk models used q. A comprehensive diagram for the risk models used r. A comprehensive diagram for the risk models used s. A comprehensive diagram for the risk models used t. A comprehensive diagram for the risk models used u. A comprehensive diagram for the risk models used v. A comprehensive diagram for the risk models used w. A comprehensive diagram for the risk models used x. A comprehensive diagram for the risk models used y. A comprehensive diagram for the risk models used z. A comprehensive diagram for the risk models used	4/18/2023	4/01/2025	4/01/2025	1	N/A	QDR	N/A	N/A
12	MORA	Data Request No. 1	MORA_Data Request No. 1	8 SUPP	MORA_Data Request No. 1_Q1 SUPP	3/29/2023	4/01/2025	4/01/2025	1	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
76	OESB	OESB_001	OESB_001	8	OESB_001_08	4/30/2023	4/04/2023	4/04/2023	1	N/A	6.1.2	Risk Methodology and Assessment	Summary of Risk Models
207	MORA	Data Request No. 2	MORA_Data Request No. 2	1	MORA_Data Request No. 2_Q1	4/09/2023	4/05/2023	4/05/2023	0	N/A	6.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
208	MORA	Data Request No. 2	MORA_Data Request No. 2	2	MORA_Data Request No. 2_Q2	4/09/2023	4/05/2023	4/05/2023	0	N/A	6.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
209	MORA	Data Request No. 2	MORA_Data Request No. 2	3	MORA_Data Request No. 2_Q3	4/09/2023	4/05/2023	4/05/2023	0	N/A	6.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
210	MORA	Data Request No. 2	MORA_Data Request No. 2	4	MORA_Data Request No. 2_Q4	4/09/2023	4/05/2023	4/05/2023	1	N/A	Appendix B	Supporting Documentation for Risk Methodology and Assessment Definitions	Detailed Model Documentation
211	MORA	Data Request No. 2	MORA_Data Request No. 2	5	MORA_Data Request No. 2_Q5	4/09/2023	4/05/2023	4/05/2023	1	N/A	Appendix B	Supporting Documentation for Risk Methodology and Assessment Definitions	Detailed Model Documentation
212	MORA	Data Request No. 2	MORA_Data Request No. 2	6	MORA_Data Request No. 2_Q6	4/09/2023	4/05/2023	4/05/2023	1	N/A	Appendix B	Supporting Documentation for Risk Methodology and Assessment Definitions	Detailed Model Documentation
213	MORA	Data Request No. 2	MORA_Data Request No. 2	7	MORA_Data Request No. 2_Q7	4/09/2023	4/05/2023	4/05/2023	0	N/A	6.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
214	MORA	Data Request No. 2	MORA_Data Request No. 2	8	MORA_Data Request No. 2_Q8	4/09/2023	4/05/2023	4/05/2023	1	N/A	6.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
215	OESB	OESB_003	OESB_003	1	OESB_003_01	4/01/2023	4/06/2023	4/06/2023	0	N/A	6.4.1.1	Emergency Preparedness	Objectives
216	OESB	OESB_003	OESB_003	2	OESB_003_02	4/01/2023	4/06/2023	4/06/2023	0	N/A	6.4.1.1	Emergency Preparedness	Objectives

226	TURN	008	TURN_008	1	TURN_008_01	1. Regarding the System Hardening Decision Tree provided as Attachment 3 to the response to TURN data request 5-1, please detail the following scenarios used in the Decision Tree: a. FSD b. EADOP c. EADOP d. EADOP e. EADOP	a. FSD - Field Scoping Desktop Meeting. Meeting to scope potential undergrounding projects also held in office as opposed to a field. b. EADOP - Economic Analysis Software Program. Program used by PG&E to evaluate project economics. A OEC - Operations Emergency Center - Regional operations center. c. EADOP - Electric Control Optimization Program. This program contains existing open electric work when prioritizing. Working opportunities to gain efficiency by reconfiguring the system. d. EADOP - Electric Control Optimization Program. This program contains existing open electric work when prioritizing. Working opportunities to gain efficiency by reconfiguring the system.	Tom Long	4/01/2023	4/08/2023	4/08/2023	https://www.pge.com/bpa_attachments/turn_data_request_5-1/turn_008_01_01.pdf	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
237	TURN	008	TURN_008	2	TURN_008_02	1. Regarding the System Hardening Decision Tree provided as Attachment 3 to the response to TURN data request 5-1, please detail the following scenarios used in the Decision Tree: a. Down PG&E refers to use the Decision Tree to future projects during the 2023-2025 period of every existing overhead O&E circuit. b. Down PG&E refers to use the Decision Tree to future projects during the 2023-2025 period of every existing overhead O&E circuit.	a) The System Hardening Decision Tree was used to scope basic system hardening projects for the workshop from 2023-2025 that were selected using the WORM. Results: 2. Most of the work was initiated for scope prior to the 10K USG program announcement in late 2021. This System Hardening Decision Tree is not and will not be a 10K program.	Tom Long	4/01/2023	4/08/2023	4/08/2023	https://www.pge.com/bpa_attachments/turn_data_request_5-1/turn_008_02_01.pdf	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
238	TURN	008	TURN_008	3	TURN_008_03	1. Regarding the Undergoing Decision Tree provided as Attachment 1 to the response to TURN data request 5-1, please explain how PG&E defines the following terms: a. "Reliability" - The ability to deliver power to the load. b. "Availability" - The ability to deliver power to the load when needed. c. "Reliability" - The ability to deliver power to the load. d. "Availability" - The ability to deliver power to the load when needed.	1. The System Hardening Decision Tree was used to scope basic system hardening projects for the workshop from 2023-2025 that were selected using the WORM. Results: 2. Most of the work was initiated for scope prior to the 10K USG program announcement in late 2021. This System Hardening Decision Tree is not and will not be a 10K program.	Tom Long	4/01/2023	4/08/2023	4/08/2023	https://www.pge.com/bpa_attachments/turn_data_request_5-1/turn_008_03_01.pdf	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
239	TURN	008	TURN_008	4	TURN_008_04	1. Regarding the Fire Related Decision Tree provided as Attachment 2 to the response to TURN data request 5-1, please explain how PG&E defines the following terms: a. "Fire Related Decision Tree" - A decision tree used to evaluate the risk of fire-related incidents. b. "Fire Related Decision Tree" - A decision tree used to evaluate the risk of fire-related incidents.	1. The System Hardening Decision Tree was used to scope basic system hardening projects for the workshop from 2023-2025 that were selected using the WORM. Results: 2. Most of the work was initiated for scope prior to the 10K USG program announcement in late 2021. This System Hardening Decision Tree is not and will not be a 10K program.	Tom Long	4/01/2023	4/08/2023	4/08/2023	https://www.pge.com/bpa_attachments/turn_data_request_5-1/turn_008_04_01.pdf	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
240	TURN	008	TURN_008	5	TURN_008_05	1. Regarding the response to TURN data request 5-4, please explain the following terms used in the last paragraph of the response: a. "Service" - The ability to deliver power to the load. b. "Availability" - The ability to deliver power to the load when needed. c. "Reliability" - The ability to deliver power to the load. d. "Availability" - The ability to deliver power to the load when needed.	1. The System Hardening Decision Tree was used to scope basic system hardening projects for the workshop from 2023-2025 that were selected using the WORM. Results: 2. Most of the work was initiated for scope prior to the 10K USG program announcement in late 2021. This System Hardening Decision Tree is not and will not be a 10K program.	Tom Long	4/01/2023	4/08/2023	4/08/2023	https://www.pge.com/bpa_attachments/turn_data_request_5-1/turn_008_05_01.pdf	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
241	TURN	008	TURN_008	6	TURN_008_06	1. Regarding the response to TURN data request 5-6, please explain what is meant by the word "topography" in the phrase "Determining the poles that will be topped"?	1. The System Hardening Decision Tree was used to scope basic system hardening projects for the workshop from 2023-2025 that were selected using the WORM. Results: 2. Most of the work was initiated for scope prior to the 10K USG program announcement in late 2021. This System Hardening Decision Tree is not and will not be a 10K program.	Tom Long	4/01/2023	4/08/2023	4/08/2023	https://www.pge.com/bpa_attachments/turn_data_request_5-1/turn_008_06_01.pdf	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
242	TURN	007	TURN_007	1	TURN_007_01	1. Regarding the 2023-2025 Undergoing Workitem referenced on page 910 of the WMP (R1) and provided in the attached spreadsheet, please explain the following: a. Please explain how PG&E defines the following terms: b. Please explain how PG&E defines the following terms: c. Please explain how PG&E defines the following terms: d. Please explain how PG&E defines the following terms:	1. The System Hardening Decision Tree was used to scope basic system hardening projects for the workshop from 2023-2025 that were selected using the WORM. Results: 2. Most of the work was initiated for scope prior to the 10K USG program announcement in late 2021. This System Hardening Decision Tree is not and will not be a 10K program.	Tom Long	4/01/2023	4/08/2023	4/08/2023	https://www.pge.com/bpa_attachments/turn_data_request_5-1/turn_007_01_01.pdf	1	Yes	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
243	TURN	007	TURN_007	2	TURN_007_02	1. Regarding the 2023-2025 Undergoing Workitem referenced on page 910 of the WMP (R1) and provided in the attached spreadsheet, please explain the following: a. Please explain how PG&E defines the following terms: b. Please explain how PG&E defines the following terms: c. Please explain how PG&E defines the following terms: d. Please explain how PG&E defines the following terms:	1. The System Hardening Decision Tree was used to scope basic system hardening projects for the workshop from 2023-2025 that were selected using the WORM. Results: 2. Most of the work was initiated for scope prior to the 10K USG program announcement in late 2021. This System Hardening Decision Tree is not and will not be a 10K program.	Tom Long	4/01/2023	4/08/2023	4/08/2023	https://www.pge.com/bpa_attachments/turn_data_request_5-1/turn_007_02_01.pdf	1	NA	7.1.3	Wildfire Mitigation Strategy Development	Risk-Informed Prioritization
245	TURN	007	TURN_007	4	TURN_007_04	1. Regarding the 2023-2025 Undergoing Workitem referenced on page 910 of the WMP (R1) and provided in the attached spreadsheet, please explain the following: a. Please explain how PG&E defines the following terms: b. Please explain how PG&E defines the following terms: c. Please explain how PG&E defines the following terms: d. Please explain how PG&E defines the following terms:	1. The System Hardening Decision Tree was used to scope basic system hardening projects for the workshop from 2023-2025 that were selected using the WORM. Results: 2. Most of the work was initiated for scope prior to the 10K USG program announcement in late 2021. This System Hardening Decision Tree is not and will not be a 10K program.	Tom Long	4/01/2023	4/08/2023	4/08/2023	https://www.pge.com/bpa_attachments/turn_data_request_5-1/turn_007_04_01.pdf	0	NA	6.4.2	Risk Methodology and Assessment	Top Risk Contributing Circuits/Segments
246	CaPA	Set WMP-16	CaPA_Set WMP-16	11	CaPA_Set WMP-16_01	1. Regarding the 2023-2025 Undergoing Workitem referenced on page 910 of the WMP (R1) and provided in the attached spreadsheet, please explain the following: a. Please explain how PG&E defines the following terms: b. Please explain how PG&E defines the following terms: c. Please explain how PG&E defines the following terms: d. Please explain how PG&E defines the following terms:	1. The System Hardening Decision Tree was used to scope basic system hardening projects for the workshop from 2023-2025 that were selected using the WORM. Results: 2. Most of the work was initiated for scope prior to the 10K USG program announcement in late 2021. This System Hardening Decision Tree is not and will not be a 10K program.	Holly Whitman	4/08/2023	4/08/2023	4/08/2023	https://www.pge.com/bpa_attachments/turn_data_request_5-1/turn_007_04_01.pdf	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
246	CaPA	Set WMP-18	CaPA_Set WMP-18	1	CaPA_Set WMP-18_01	1. Regarding the 2023-2025 Undergoing Workitem referenced on page 910 of the WMP (R1) and provided in the attached spreadsheet, please explain the following: a. Please explain how PG&E defines the following terms: b. Please explain how PG&E defines the following terms: c. Please explain how PG&E defines the following terms: d. Please explain how PG&E defines the following terms:	1. The System Hardening Decision Tree was used to scope basic system hardening projects for the workshop from 2023-2025 that were selected using the WORM. Results: 2. Most of the work was initiated for scope prior to the 10K USG program announcement in late 2021. This System Hardening Decision Tree is not and will not be a 10K program.	Holly Whitman	4/08/2023	4/07/2023	4/07/2023	https://www.pge.com/bpa_attachments/turn_data_request_5-1/turn_007_04_01.pdf	0	NA	8.2.2.6	Vegetation Management and Inspections	Discarded Programs
247	CaPA	Set WMP-18	CaPA_Set WMP-18	2	CaPA_Set WMP-18_02	1. Regarding the 2023-2025 Undergoing Workitem referenced on page 910 of the WMP (R1) and provided in the attached spreadsheet, please explain the following: a. Please explain how PG&E defines the following terms: b. Please explain how PG&E defines the following terms: c. Please explain how PG&E defines the following terms: d. Please explain how PG&E defines the following terms:	1. The System Hardening Decision Tree was used to scope basic system hardening projects for the workshop from 2023-2025 that were selected using the WORM. Results: 2. Most of the work was initiated for scope prior to the 10K USG program announcement in late 2021. This System Hardening Decision Tree is not and will not be a 10K program.	Holly Whitman	4/08/2023	4/07/2023	4/07/2023	https://www.pge.com/bpa_attachments/turn_data_request_5-1/turn_007_04_01.pdf	0	NA	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
248	CaPA	Set WMP-18	CaPA_Set WMP-18	3	CaPA_Set WMP-18_03	1. Regarding the 2023-2025 Undergoing Workitem referenced on page 910 of the WMP (R1) and provided in the attached spreadsheet, please explain the following: a. Please explain how PG&E defines the following terms: b. Please explain how PG&E defines the following terms: c. Please explain how PG&E defines the following terms: d. Please explain how PG&E defines the following terms:	1. The System Hardening Decision Tree was used to scope basic system hardening projects for the workshop from 2023-2025 that were selected using the WORM. Results: 2. Most of the work was initiated for scope prior to the 10K USG program announcement in late 2021. This System Hardening Decision Tree is not and will not be a 10K program.	Holly Whitman	4/08/2023	4/07/2023	4/07/2023	https://www.pge.com/bpa_attachments/turn_data_request_5-1/turn_007_04_01.pdf	0	NA	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
249	CaPA	Set WMP-18	CaPA_Set WMP-18	4	CaPA_Set WMP-18_04	1. Regarding the 2023-2025 Undergoing Workitem referenced on page 910 of the WMP (R1) and provided in the attached spreadsheet, please explain the following: a. Please explain how PG&E defines the following terms: b. Please explain how PG&E defines the following terms: c. Please explain how PG&E defines the following terms: d. Please explain how PG&E defines the following terms:	1. The System Hardening Decision Tree was used to scope basic system hardening projects for the workshop from 2023-2025 that were selected using the WORM. Results: 2. Most of the work was initiated for scope prior to the 10K USG program announcement in late 2021. This System Hardening Decision Tree is not and will not be a 10K program.	Holly Whitman	4/08/2023	4/07/2023	4/07/2023	https://www.pge.com/bpa_attachments/turn_data_request_5-1/turn_007_04_01.pdf	0	NA	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory

233	CaPA	Sat WMP-17	CaPA_Sat WMP-17	2	CaPA_Sat WMP-17_Q2	In general, identify all the factors PG&E considers when deciding that a CPZ with a large average risk profile or large average risk in WORM V3 should be prohibited in PG&E's 2023 WMP project selection.	<p>Are we selecting locations in 2022 and 2023 based on the Wildlife Feasibility Effectiveness (WFE) analysis, which leveraged WORM V3 risk data, to prioritize for project selection. As part of the WFE analysis, for conditional efficiency, individual Circuit Protection Zones (CPZs) were bundled together for project selection and design. Bundles that are identified for targeted undergrounding, the combined bundled WFE score is used to select projects. In that process, it is possible that an individual CPZ with a larger average risk profile, is combined with another adjacent CPZ within the 10-year undergrounding plan scope that results in a higher combined WFE score than that of a bundle of projects that are lower than other projects that are selected for project development.</p> <p>We believe the CPZ bundling approach is appropriate not only to improve load operational efficiency but also because bundling adjacent CPZs:</p> <ul style="list-style-type: none"> • Provides continuity with other projects to enhance in-work, temporary facilities, and allow for a more complete design solution. • Allows for near-term PPS and EPSS benefits by bundling nearby segments together. <p>CONFIDENTIAL - Provided Pursuant to Confidentiality Declaration ("WMP-Discovery23_023_CaPAConfidential_017-ConfidentialityDeclaration")</p> <p>WMP-Discovery23_023_CaPAConfidential_017-ConfidentialityDeclaration Page 2</p> <p>4) Above for near-term convenience and cost and engineering support to multiple projects being developed and worked on separate timelines.</p> <p>5) The work presented in this 2023 WMP was developed using numerous factors that could cause a particular circuit segment to be included in the location of the 2023 WMP project selection including:</p> <ul style="list-style-type: none"> 1) The WFE selection strategy utilizing WORM V3 data via the WFE only internally informed the early years in the 2023-2026 workplan, with much of the portfolio being informed by 2021 WORM V2. 2) There continues to be only one work from previous iterations that must be completed. If a project had been started in a prior period it will be worked to completion. 3) The WFE selection strategy utilizing WORM V3 takes various cost and schedule optimization inputs into its selection methodology including: <ul style="list-style-type: none"> • A new schedule • Underground difficulty and long-term permitting rate • Circuit segment bundling • Resource readiness and availability • Previously installed facilities • Private customer owned facilities <p>6) Some projects have been selected due to File actually, PPS/EPSS mitigation or based on input from Public Safety Specialists.</p>	Matthew Tsai	4/1/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html	0	N/A	8.1.2.2	Circuit Design and System Hardware	Undergrounding of Electric Lines and/or Equipment - Distribution
234	CaPA	Sat WMP-17	CaPA_Sat WMP-17	3	CaPA_Sat WMP-17_Q3	In general, explain why these select CPZs in Table 2, 2) are small total risk profiles and small average risk profiles in WORM V3, are being considered for undergrounding.	<p>4) Upon review, we respectfully find that the CPZ mitigations presented in Table 2 were incorrect. As a result of the bundle errors in the Table, the Calculated Risk/Profile (CRP) scores are different between these two items, not within our tolerance.</p> <p>5) The WFE selection strategy utilizing WORM V3 takes various cost and schedule optimization inputs into its selection methodology including: <ul style="list-style-type: none"> • A new schedule • Underground difficulty and long-term permitting rate • Circuit segment bundling • Resource readiness and availability • Previously installed facilities • Private customer owned facilities <p>6) Some projects have been selected due to File actually, PPS/EPSS mitigation or based on input from Public Safety Specialists.</p> </p>	Matthew Tsai	4/1/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html	0	N/A	8.1.2.2	Circuit Design and System Hardware	Undergrounding of Electric Lines and/or Equipment - Distribution
235	CaPA	Sat WMP-17	CaPA_Sat WMP-17	4	CaPA_Sat WMP-17_Q4	In general, identify all the factors PG&E considers when deciding that a CPZ with small total risk profiles and small average risk in WORM V3 should be prohibited in PG&E's 2023 WMP project selection.	<p>4) Upon review, we respectfully find that the CPZ mitigations presented in Table 2 were incorrect. As a result of the bundle errors in the Table, the Calculated Risk/Profile (CRP) scores are different between these two items, not within our tolerance.</p> <p>5) The WFE selection strategy utilizing WORM V3 takes various cost and schedule optimization inputs into its selection methodology including: <ul style="list-style-type: none"> • A new schedule • Underground difficulty and long-term permitting rate • Circuit segment bundling • Resource readiness and availability • Previously installed facilities • Private customer owned facilities <p>6) Some projects have been selected due to File actually, PPS/EPSS mitigation or based on input from Public Safety Specialists.</p> </p>	Matthew Tsai	4/1/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html	0	N/A	8.1.2.2	Circuit Design and System Hardware	Undergrounding of Electric Lines and/or Equipment - Distribution
142	CaPA	Sat WMP-14	CaPA_Sat WMP-14	19	CaPA_Sat WMP-14_Q19	Provide details for all dip logs incidents that occurred from 2023-2022 and involved an underground electric distribution line. For each incident, provide:	<p>4) Upon review, we respectfully find that the CPZ mitigations presented in Table 2 were incorrect. As a result of the bundle errors in the Table, the Calculated Risk/Profile (CRP) scores are different between these two items, not within our tolerance.</p> <p>5) The WFE selection strategy utilizing WORM V3 takes various cost and schedule optimization inputs into its selection methodology including: <ul style="list-style-type: none"> • A new schedule • Underground difficulty and long-term permitting rate • Circuit segment bundling • Resource readiness and availability • Previously installed facilities • Private customer owned facilities <p>6) Some projects have been selected due to File actually, PPS/EPSS mitigation or based on input from Public Safety Specialists.</p> </p>	Holly Whitman	4/1/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html	1	N/A	8.4.2.1	Emergency Preparedness	Overview of WFE and PPS/EPSS Emergency Procedures
118	CaPA	Sat WMP-13	CaPA_Sat WMP-13	5	CaPA_Sat WMP-13_Q5	Table 7.4 on pp. 307-313 of PG&E's WMP lists the top risk circuit segments (i.e., isolated segments when isolated by a dip log).	<p>4) Upon review, we respectfully find that the CPZ mitigations presented in Table 2 were incorrect. As a result of the bundle errors in the Table, the Calculated Risk/Profile (CRP) scores are different between these two items, not within our tolerance.</p> <p>5) The WFE selection strategy utilizing WORM V3 takes various cost and schedule optimization inputs into its selection methodology including: <ul style="list-style-type: none"> • A new schedule • Underground difficulty and long-term permitting rate • Circuit segment bundling • Resource readiness and availability • Previously installed facilities • Private customer owned facilities <p>6) Some projects have been selected due to File actually, PPS/EPSS mitigation or based on input from Public Safety Specialists.</p> </p>	Holly Whitman	4/26/2023	4/26/2023	4/26/2023	https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html	1	N/A	7.2.2.3	Wildfire Mitigation Strategy Development	Projected Risk Reduction on Highest-Risk Circuits Over the 5-Year WMP Cycle
282	TURN	009	TURN_009	1	TURN_009_Q1	Regarding the 2023-2026 Undergrounding Mitigation referenced on page 910 of the WMP (PI) and provided in Excel format in response to TURN Data Request 2-4:	<p>4) Upon review, we respectfully find that the CPZ mitigations presented in Table 2 were incorrect. As a result of the bundle errors in the Table, the Calculated Risk/Profile (CRP) scores are different between these two items, not within our tolerance.</p> <p>5) The WFE selection strategy utilizing WORM V3 takes various cost and schedule optimization inputs into its selection methodology including: <ul style="list-style-type: none"> • A new schedule • Underground difficulty and long-term permitting rate • Circuit segment bundling • Resource readiness and availability • Previously installed facilities • Private customer owned facilities <p>6) Some projects have been selected due to File actually, PPS/EPSS mitigation or based on input from Public Safety Specialists.</p> </p>	Tom Long	4/26/2023	5/1/2023	5/1/2023	https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html	0	N/A	Appendix D	Assess for Contested Proceedings	Assess for Contested Proceedings and Update on Undergrounding and Risk Prioritization
283	MORA	Data Request No. 3	MORA_Data Request No. 3	1	MORA_Data Request No. 3_Q1	Please provide for Asset Point data for Camera, Fuse, Support Structures, and Weather Station.	The attachments have been requested to ESPT.	Joseph Michal	4/27/2023	5/2/2023	4/27/2023	https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
284	MORA	Data Request No. 3	MORA_Data Request No. 3	2	MORA_Data Request No. 3_Q2	Please provide Asset Line data for Transmission Line (as permitted in non-confidential), Primary Distribution Line, and Secondary Distribution Line.	The attachments have been requested to ESPT.	Joseph Michal	4/27/2023	5/2/2023	4/27/2023	https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
285	MORA	Data Request No. 3	MORA_Data Request No. 3	3	MORA_Data Request No. 3_Q3	Provide PPS/EPSS Event data, Include Event Log, Event Log, Event Polygon data. Please exclude customer meter data. Provide all PPS/EPSS Asset Damage data including photos.	The attachments have been requested to ESPT.	Joseph Michal	4/27/2023	5/2/2023	4/27/2023	https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
286	MORA	Data Request No. 3	MORA_Data Request No. 3	4	MORA_Data Request No. 3_Q4	Provide Risk Event Point data, including Wind Data, Distribution Transmission unpermitted outages (as identified non-confidential), Distribution Unpermitted Outage Data, Distribution Vegetation Contact Unpermitted Outage, Risk Event Asset Log.	The attachments have been requested to ESPT.	Joseph Michal	4/27/2023	5/2/2023	4/27/2023	https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
287	MORA	Data Request No. 3	MORA_Data Request No. 3	5	MORA_Data Request No. 3_Q5	Under Inletlines, please provide Grid Naming data, including Hierarchy Log, Hierarchy Point, and Hierarchy Line data. Inletline data is not requested at this time.	The attachments have been requested to ESPT.	Joseph Michal	4/27/2023	5/2/2023	4/27/2023	https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
288	MORA	Data Request No. 3	MORA_Data Request No. 3	6	MORA_Data Request No. 3_Q6	Under Inletlines, please provide Other Inletline data point, line, polygon features and the Other Inletline Log.	The attachments have been requested to ESPT.	Joseph Michal	4/27/2023	5/2/2023	4/27/2023	https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
289	MORA	Data Request No. 3	MORA_Data Request No. 3	7	MORA_Data Request No. 3_Q7	Under Other Request Data, please provide Red Flag Warning Day program data.	The attachments have been requested to ESPT.	Joseph Michal	4/27/2023	5/2/2023	4/27/2023	https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html	0	N/A	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_Q1	Per Table 8.1.2, Vegetation Management Implementation Objectives, PG&E's Focused Tree Inspection (FTI) Program is currently under development. By the end of 2023, PG&E plans to fully implement AOC current functional team to implement vegetation across all AOC's.	<p>4) Upon review, we respectfully find that the CPZ mitigations presented in Table 2 were incorrect. As a result of the bundle errors in the Table, the Calculated Risk/Profile (CRP) scores are different between these two items, not within our tolerance.</p> <p>5) The WFE selection strategy utilizing WORM V3 takes various cost and schedule optimization inputs into its selection methodology including: <ul style="list-style-type: none"> • A new schedule • Underground difficulty and long-term permitting rate • Circuit segment bundling • Resource readiness and availability • Previously installed facilities • Private customer owned facilities <p>6) Some projects have been selected due to File actually, PPS/EPSS mitigation or based on input from Public Safety Specialists.</p> </p>	Holly Whitman	4/27/2023	5/2/2023	5/2/2023	https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html https://www.pge.com/legal_global/information/foia/foia-request.html	0	N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections

308	TURN	010	TURN_010	7	TURN_010_07	<p>PG&E WMP (R1) at page 251 states "The type of mitigation used and effectiveness analysis we conduct informed PG&E's decision to transition away from the Enhanced Vegetation Management (EVM) program".</p> <p>A. Please provide all documentation and internal communications regarding the transition away from the EVM program.</p> <p>B. Please provide the "effectiveness analysis" conducted by PG&E that informed its decision to discontinue the EVM program.</p> <p>C. Please provide annual total spending on the EVM program from 2018-2022.</p>	<p>a. Please see "WMP-Discontinuation_2023_TURN_010-Q007A030COMP.pdf" sent by VM Program Communications on October 20, 2022 referencing end of EVM at the end of 2022.</p> <p>b. See A-Handbook Call held on October 20, 2022. PG&E informed staff that due to the end of the Enhanced Vegetation Management (EVM) Program by permyr and PG&E has eliminated the EVM program's residential program and evaluation.</p> <p>c. Please see WMP-Discontinuation_2023_TURN_010-Q007A0101.pdf and "WMP-Discontinuation_2023_TURN_010-Q007A0201.pdf" that were performed by PG&E with handover to the Environmental Stewardship ESM.</p> <p>d. The EVM program began in 2019. Please see below for EVM Actual Totals for 2018-2022.</p>	Tom Long	4/26/2023	5/3/2023	5/3/2023	https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07	3	Yes	8.2.3	Vegetation Management and Inspectors	Vegetation and Fuel Management
275	CaPA	Set WMP-20	CaPA_Set WMP-20	1	CaPA_Set WMP-20_01	<p>a) Describe PG&E's standard process for retiring an asset from service.</p> <p>b) Describe how PG&E records the retirement of an asset from service.</p>	<p>1) To retire the retirement of the assets removed from the field as described in response to question 1, the retired assets were administratively removed from the insurance portfolio of PG&E's asset registry and work management system and placed in an inactive portfolio within the work management system where they can be accessed for reference only.</p> <p>2) When an asset is retired from service due to replacement or removal, PG&E has an annual process to document the work completed at the field, including removing of a pre-existing asset. As a part of this process, a final bill may be work verified (modified from the original project design) submitted for mapping for retired asset base, and recorded in GIS/EIS tables of assets.</p>	Holly Whitman	4/26/2023	5/3/2023	5/3/2023	https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07	1	NA	8.1.5	Asset Management and Inspection Enterprise (Systems)	NA
276	CaPA	Set WMP-20	CaPA_Set WMP-20	2	CaPA_Set WMP-20_02	<p>a) In 2022, as part of a WMP system hardening activities, did PG&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&E recorded the retirement of assets during 2022 system hardening activities.</p>	<p>1) Not applicable. The assets retired during 2022 system hardening activities followed PG&E's standard process for retiring an asset from service.</p> <p>2) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p>	Holly Whitman	4/26/2023	5/3/2023	5/3/2023	https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07	0	NA	8.1.2	Grid Design and System Hardening	AI
277	CaPA	Set WMP-20	CaPA_Set WMP-20	3	CaPA_Set WMP-20_03	<p>a) In 2023, as part of a WMP system hardening activities, does PG&E intend to retire from service (i.e., replace, remove, destroy, or decommission) any assets that are not fully depreciated at the time of retirement?</p> <p>b) Please describe how PG&E will record the retirement of assets during 2023 system hardening activities.</p>	<p>1) Not applicable. The assets retired during 2023 system hardening activities followed PG&E's standard process for retiring an asset from service.</p> <p>2) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p>	Holly Whitman	4/26/2023	5/3/2023	5/3/2023	https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07	0	NA	8.1.2	Grid Design and System Hardening	AI
278	CaPA	Set WMP-20	CaPA_Set WMP-20	4	CaPA_Set WMP-20_04	<p>What is PG&E's standard practice for tracking assets that are retired from service before they are fully depreciated?</p>	<p>1) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p> <p>2) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p>	Holly Whitman	4/26/2023	5/3/2023	5/3/2023	https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07	0	NA	8.1.5	Asset Management and Inspection Enterprise (Systems)	NA
279	CaPA	Set WMP-20	CaPA_Set WMP-20	5	CaPA_Set WMP-20_05	<p>a) If PG&E retires from service an asset that has not been fully depreciated, does it remove the remaining undepreciated value of the asset to be used least?</p> <p>b) How does PG&E determine the remaining undepreciated value of an asset at the time the asset is retired from service?</p> <p>c) Please describe any scenario in which PG&E would retire from service an asset that is not fully depreciated, but would keep the remaining undepreciated value of the asset in its rate base.</p>	<p>1) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p> <p>2) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p> <p>3) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p>	Holly Whitman	4/26/2023	5/3/2023	5/3/2023	https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07	0	NA	8.1.5	Asset Management and Inspection Enterprise (Systems)	NA
280	CaPA	Set WMP-20	CaPA_Set WMP-20	6	CaPA_Set WMP-20_06	<p>a) As of the date of this data request, does PG&E's rate base currently include any portion of the value of any assets that are no longer in service?</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, list the criteria in place that ensure PG&E's rate base does not currently include any portion of the value of assets that are no longer in service?</p>	<p>1) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p> <p>2) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p> <p>3) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p>	Holly Whitman	4/26/2023	5/3/2023	5/3/2023	https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07	0	NA	8.1.5	Asset Management and Inspection Enterprise (Systems)	NA
281	CaPA	Set WMP-20	CaPA_Set WMP-20	7	CaPA_Set WMP-20_07	<p>In response to data request California-PGE-2023WMP-14, questions 20-22, PG&E stated, "We cannot provide the requested data. Our asset registry and work management systems are not set up to enable the cross-referenced data consolidation and do not track the volume of assets retired that have not been fully depreciated."</p> <p>a) Please explain what is meant by the statement, "Our asset registry and work management 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 retired that have not been fully depreciated."</p> <p>c) In PG&E's estimate of the current unit cost of undergrounding in rocky and steep terrain?</p> <p>d) In PG&E's estimate of the current unit cost of undergrounding in rocky and steep terrain?</p> <p>e) In PG&E's estimate of the current unit cost of undergrounding in rocky and steep terrain?</p>	<p>1) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p> <p>2) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p> <p>3) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p>	Holly Whitman	4/26/2023	5/3/2023	5/3/2023	https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07	0	NA	8.1	Grid Design, Operations and Maintenance	Distribution Pole and Replacements Traditional Overhead Hardening Transformers
313	CaPA	Set WMP-22	CaPA_Set WMP-22	1	CaPA_Set WMP-22_01	<p>During the general discussion portion of the Grid Operations, Design, and Maintenance session of the WMP workshop held on April 27, 2023, PG&E estimated that, during wildfire season (May through November) in 2022, EPSS was enabled on approximately 42.60% of circuit days.</p> <p>a) In the above estimate, correct if you please provide an estimate of the percentage of circuit days that EPSS was enabled during the season in 2022.</p> <p>b) Does PG&E have a forecast of the percentage of circuit days when EPSS will be enabled during the season in 2023? If so, please provide it.</p> <p>c) Please define "circuit days."</p>	<p>1) Yes, we calculated the number of High Fire Risk Area (HFRA) circuits that were protected by EPSS between May and November in 2022, which was 50.9% of circuit days. Note that we did not include EPSS buffer circuits, which are only enabled during Fire Weather Watch, Red Flag Warning, or minimum Fire Potential Conditions. Including these circuits would reduce that percentage significantly (these circuits - or portions of circuits - are only enabled a few days per year, if at all).</p> <p>2) A forecast for 2023 would require forecasting weather and Fire Potential Index (FPI) at the circuit level for the full year, which is not possible. However, given that 2022 saw 37% more days than the 2019-2022 year average in FPI or greater conditions, it is reasonable to assume that 60% on the higher end of the estimate, and that a reduction of a third would be approximately 40% of circuit mile days.</p>	Holly Whitman	5/02/2023	5/02/2023	5/02/2023	https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07	0	NA	8.1.1.1	Grid Design and System Hardening	Protection Equipment and Device Settings
314	CaPA	Set WMP-22	CaPA_Set WMP-22	2	CaPA_Set WMP-22_02	<p>During the general discussion portion of the Grid Operations, Design, and Maintenance session of the WMP workshop held on April 27, 2023, a wider aspect concerned about the feasibility of undergrounding in rocky and steep terrain and in wetlands. In response, PG&E stated that it was evaluating both and techniques to perform undergrounding in these areas.</p> <p>a) Please list and describe the current difficulties or obstacles to undergrounding in rocky and steep terrain?</p> <p>b) Please list and describe the current difficulties or obstacles to undergrounding in rocky and steep terrain?</p> <p>c) Please state whether the unit cost provided in response to part (c) is based on overhead circuits or underground circuits installed?</p> <p>d) Regarding the unit cost given in response to part (c) of this question, when does PG&E expect to be able to reduce the unit cost to less than \$1.1 million per mile?</p> <p>e) If the WMP undergrounding projects that PG&E plans to execute in 2023-2024, do any involve installing a significant amount (greater than \$1 million) of undergrounded conductors in rocky and steep terrain?</p> <p>f) If the answer to part (e) is yes, please list each such project.</p>	<p>1) The "Circuit Days" equivalent to one EPSS capable circuit in HFRA protected by EPSS for one day during the May to November timeframe. This was used as a metric to evaluate the number of circuits that were protected by EPSS between May and November in 2022, which was 50.9% of circuit days. Note that we did not include EPSS buffer circuits, which are only enabled during Fire Weather Watch, Red Flag Warning, or minimum Fire Potential Conditions. Including these circuits would reduce that percentage significantly (these circuits - or portions of circuits - are only enabled a few days per year, if at all).</p> <p>2) A forecast for 2023 would require forecasting weather and Fire Potential Index (FPI) at the circuit level for the full year, which is not possible. However, given that 2022 saw 37% more days than the 2019-2022 year average in FPI or greater conditions, it is reasonable to assume that 60% on the higher end of the estimate, and that a reduction of a third would be approximately 40% of circuit mile days.</p> <p>3) The "Circuit Days" equivalent to one EPSS capable circuit in HFRA protected by EPSS for one day during the May to November timeframe. This was used as a metric to evaluate the number of circuits that were protected by EPSS between May and November in 2022, which was 50.9% of circuit days. Note that we did not include EPSS buffer circuits, which are only enabled during Fire Weather Watch, Red Flag Warning, or minimum Fire Potential Conditions. Including these circuits would reduce that percentage significantly (these circuits - or portions of circuits - are only enabled a few days per year, if at all).</p> <p>4) A forecast for 2023 would require forecasting weather and Fire Potential Index (FPI) at the circuit level for the full year, which is not possible. However, given that 2022 saw 37% more days than the 2019-2022 year average in FPI or greater conditions, it is reasonable to assume that 60% on the higher end of the estimate, and that a reduction of a third would be approximately 40% of circuit mile days.</p>	Holly Whitman	5/02/2023	5/02/2023	5/02/2023	https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
315	CaPA	Set WMP-22	CaPA_Set WMP-22	3	CaPA_Set WMP-22_03	<p>Regarding undergrounding in wetlands:</p> <p>a) Please list and describe the current difficulties or obstacles to undergrounding in wetlands.</p> <p>b) What is PG&E's estimate of the current unit cost of undergrounding in wetlands?</p> <p>c) Please state whether the unit cost provided in response to part (c) is based on overhead circuits or underground circuits installed?</p> <p>d) Regarding the unit cost given in response to part (c) of this question, when does PG&E expect to be able to reduce the unit cost to less than \$1.1 million per mile?</p> <p>e) If the WMP undergrounding projects that PG&E plans to execute in 2023-2024, do any involve installing a significant amount (greater than \$1 million) of undergrounded conductors in rocky and steep terrain?</p> <p>f) If the answer to part (e) is yes, please list each such project.</p>	<p>1) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p> <p>2) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p> <p>3) PG&E follows the standard process for retiring an asset from service as described in response to question 1.</p>	Holly Whitman	5/02/2023	5/02/2023	5/02/2023	https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07 https://www.pge.com/legal_global/global/turn_010_07	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution

327	OEIS	004	OEIS_004	1	OEIS_004_01	Regarding Ignition Probability Weather Model a. PGE's WMP is status is "PPE framework analysis positive and negative changes in grid performance and reliability year-over-year and applies a three-step approach to weigh more recent years of grid performance more heavily in the final model output." (p. 78) b. What changes does PGE's WMP include in the three-year changes in grid performance and reliability? c. Provide a description (i.e. changes in event, ignition, and outage numbers) and controls of changes PGE has observed in grid performance based on implementing system hardening initiatives, including the amount of time to look to observe any statistical changes that would account for changes in PSPS decision-making or reliability? d. How do you see weather weather conditions for the analysis of year-over-year changes in grid performance and reliability?	a. The IPV model assesses changes in performance through the hourly relationship between outage occurrence and the weather conditions present. We use evaluation metrics like the AUPROC where we compare our IPV to assess model skill for model development. b. To date, system hardening is not an explicit feature, or input, of the IPV model. Any changes in the current model due to system hardening would come from the outage occurrence to weather relation changing rather than from an engineering, subject matter expertise or presumed change. We are currently exploring new features for future IPV models such as the age of the assets. For example, when a line with old poles is replaced with new poles, an occurrence under the system hardening program. c. The IPV model is trained with hourly weather data from each PGE's 20 km grid cell and whether an outage occurred or not at that time and area. Thus, the IPV changes in the outage to weather relation as weather, but learning hourly variation in outage occurrence given the hourly weather conditions present. The time-weighted approach of the IPV model balances learning any changes in the outage to weather relation over time with preserving information of historic events. For example, the IPV model will learn about changes in one area that had significant replacement and the changed outage to weather relation has improved. In another example, the IPV model will learn about changes in an area (e.g., an area that had significant replacement and the changed outage to weather relation has improved).	Colin Lang	5/4/2023	5/9/2023	5/9/2023	0	NA	9.2.1	Public Safety/Power Shutoff	Risk Thresholds (e.g., WS, FPL, etc.) and Decision-Making Process That Determine the Need for a PSPS.
328	OEIS	004	OEIS_004	2	OEIS_004_02	Regarding IPPS in IPV Model a. How does the IPV Model compare to other IPV Models (e.g., 788 or the WMP)? b. How does the IPV Model analyze and consider outages from EPSS (i.e., differentiating analysis completed)? c. How does the IPV Model account for EPSS-related outages?	Regarding After Action Reports for Emergency Preparedness Provide the most recent After Action Report from emergency training exercises for the following exercises: 1. Table 8-3: Personnel Training 2. FERR Emergency Preparedness Training Program 3. FERR Restoration Process 4. PSPS Execution for Distribution Center Control (DCC) Operators 5. PSPS Execution for External Contractor Training 1. TD 14443 2. Table 8-4: Internal Drill, Simulation, And Talkback Exercise Program 3. Operations Based Wildfire FE 4. Operations Based PSPS FE 5. Table 8-4: External Drill, Simulation, And Talkback Exercise Program 6. Operations Based Wildfire FE 7. Operations Based PSPS FE	Colin Lang	5/4/2023	5/9/2023	5/9/2023	0	NA	9.2.1	Public Safety/Power Shutoff	Risk Thresholds (e.g., WS, FPL, etc.) and Decision-Making Process That Determine the Need for a PSPS.
329	OEIS	004	OEIS_004	3	OEIS_004_03	Regarding After Action Reports for Emergency Preparedness Provide the most recent After Action Report from emergency training exercises for the following exercises: 1. Table 8-3: Personnel Training 2. FERR Emergency Preparedness Training Program 3. FERR Restoration Process 4. PSPS Execution for Distribution Center Control (DCC) Operators 5. PSPS Execution for External Contractor Training 1. TD 14443 2. Table 8-4: Internal Drill, Simulation, And Talkback Exercise Program 3. Operations Based Wildfire FE 4. Operations Based PSPS FE 5. Table 8-4: External Drill, Simulation, And Talkback Exercise Program 6. Operations Based Wildfire FE 7. Operations Based PSPS FE	The confidential attachments are being provided pursuant to the accompanying confidentiality declaration. a. After Action Reports are not created for Personnel Training, including the team in Table 8-3. b. After Action Reports are not created for External Contractor Training, including the team in Table PG&E 8-4.5. c. Please see attachment "WMP Overview 2023_OIR_OEIS_004-Q005A001 CONP.pdf" for the PSPS/Wildfire Full Scale Exercise After Action Report and the PSPS Talkback Exercise After Action Report. Internal drills and external drills are not separate components of the exercises include both internal and external settings. d. Please use the attachments provided in our response to Q03 Support 1 above. An internal drills and external drills are not separate. The exercises included both internal and external settings. We do not differentiate between when EPSS is included or not. e. Please see responses 8, 9, & 10.	Colin Lang	5/4/2023	5/9/2023	5/9/2023	2	NA	8.4.2.2.2	Emergency Preparedness	Personnel Training
330	OEIS	004	OEIS_004	4	OEIS_004_04	Regarding Customer Group or PSPS Objective PS-05 a. How does PGE define PS-05. PGE states that it will focus on a group of customers "not limited to AFN, MEL, and self-identified customer populations." b. How does PGE define this group of customers and what is focusing on? c. What is the size of this group of customers? PGE is focusing on?	a. In addition to access and function needs (AFN), medical baseline (MBL), and self-identified vulnerable (SVI) populations, PGE intends to focus on customers more frequently impacted by PSPS or EPSS. Additionally, since permanent facilities are more costly to implement than portable facilities, PGE intends to additionally focus on lower-income customers (i.e. CARE, FEMA, MBL, and SVI populations) and other customers who may lack the financial means to acquire backup power. Currently, PGE is preparing to support permanent facilities for customers who have experienced the greatest number of EPSS outages in recent years. Older lines of financial support would be provided for CARE, FEMA, MBL, and SVI customers. While these vulnerabilities may be addressed over the long-term, PGE anticipates continuing to focus on the groups more frequently impacted by outages and who lack the means to acquire backup power. b. As mentioned in our prior response, PGE is focusing on customers who are more frequently impacted by EPSS outages in recent years. Currently, the population is estimated to be approximately 100,000 customers, approximately 4,000 of which are CARE, FEMA, MBL, or SVI customers. These customer counts may vary over time based on customer response to outreach and completion of EPSS. c. As mentioned in our prior response, PGE is focusing on customers who are more frequently impacted by EPSS outages in recent years. Currently, the population is estimated to be approximately 100,000 customers, approximately 4,000 of which are CARE, FEMA, MBL, or SVI customers. These customer counts may vary over time based on customer response to outreach and completion of EPSS.	Colin Lang	5/4/2023	5/9/2023	5/9/2023	0	NA	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
331	OEIS	004	OEIS_004	5	OEIS_004_05	Regarding Areas of Concern and Focused Tree Inspections (FTI) a. How will PGE address risk from green hazard trees (those not obviously dead, dying, or declining) in non-AFC areas? b. P-WMP, 2022-PG&E-03, Question 7: PGE indicated that ISA TRAQ form is not digitized and will be used as a guide for FTI. During FTI, what information is included into OneView? Provide a copy of the form(s) within OneView as required to populate during FTI? c. How do we ensure trees within the AFC are inspected? d. If we inspect trees to perform both a level 1 and level 2 inspection on each covered tree? e. If not, what methods are used to ensure trees are inspected and how is the level of inspection determined? f. How many staff miles were PGE's AOC's used to inspect trees under the EVM program? g. On average 88% of PGE's WMP 4 states: "Our Operational Requirements include programs such as Enhanced Positive Safety Settings (EPSS) and Focused Tree Inspections (FTI)" FTI is not described as an "operational requirement" under the WMP. Can you elaborate?	The confidential attachment is being provided pursuant to the accompanying confidentiality declaration. a. As outlined in PGE's Vegetation Management Distribution Inspection Program, provided as "WMP Overview 2023_OIR_OEIS_004-Q005A001 CONP.pdf," it is an ISA TRAQ form is not digitized and will be used as a guide for FTI. During FTI, what information is included into OneView? Provide a copy of the form(s) within OneView as required to populate during FTI. b. As the time, PGE does not have a finalized inspection procedure for FTI. Once that is available, we can provide the facts that will be entered into OneView. c. Level 1 inspections are performed on all trees within the AFC. If a Level 1 assessment cannot sufficiently determine the severity of conditions or defects, a Level 2 inspection is performed. d. Approximately 81 staff miles were used under the EVM program. e. As mentioned in our prior response, PGE's Operational Requirements program includes tree inspection risk reduction and affluence how we manage the environment around the electric grid. This includes, but is not limited to, EPSS and FTI.	Colin Lang	5/4/2023	5/9/2023	5/9/2023	1	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
332	OEIS	004	OEIS_004	6	OEIS_004_06	Regarding Enhanced Vegetation Management a. Provide the following table with information regarding EVM: Year #FTD Miles Completed Inspected Stems Potential Trees Tracked Average Trees Per Mile # of Miles in Top 20% of Risk 2019 2020 2021 2022 2023 Total b. Provide a GIS layer of the features showing where EVM work was completed.	Year #FTD Miles Completed Inspected Stems Potential Trees Tracked Average Trees Per Mile # of Miles in Top 20% of Risk 2019 2418 miles 1,119,969 156,243 79.56% 2020 2162 miles 1,252,242 163,271 76.8% 2021 1985 miles 1,246,174 356,018 109.95% 2022 1925 miles 1,319,528 212,432 147.99% 2023 Total a. Please note for column "average trees per mile", we interpreted that as average number of trees worked per mile. We obtained this number by taking the number of trees worked divided by #FTD miles completed for the corresponding year. b. Please note, "in % of Miles in Top 20% of Risk", the 2023 percentage was based on 2019-2023 risk ranking and the 2020 percentage was based on 2020 risk ranking. c. Please see supporting attachment "WMP Overview 2023_OIR_OEIS_004-Q005A001 CONP.pdf" for the GIS of the data and completed between 2019 to 2022.	Colin Lang	5/4/2023	5/9/2023	5/9/2023	1	NA	8.2.2.6	Vegetation Management and Inspections	Discontinued Programs
333	OEIS	004	OEIS_004	7	OEIS_004_07	Regarding Vegetation-Caused Outages a. Provide the following table of vegetation-caused outages by mode of failure in the HFTD between 2015 and 2022 broken out by year. PGE may add additional rows (i.e., mode of failure) if needed. VEGETATION-CAUSED OUTAGE MODE OF FAILURE 2015 2016 2017 2018 2019 2020 2021 2022 Branch (total, < 120) Branch (with total, 4-120) Branch (with total, 4-120) Branch (with total, 4-120) Branch (with total, distance Unbroken) Branch (with total) Dead Tree Tree Fall (incl. severe defects) Tree Fall (high defect) Tree Fall (low defect) Tree Close Into Overhead DATA b. Provide a GIS layer of the features showing where EVM work was completed.	PGE does not capture the HFTD tree outage reports therefore the data being provided cannot be filtered to only include outages in HFTD areas. Please see attachment "WMP Overview 2023_OIR_OEIS_004-Q005A001 CONP.pdf" for the system-wide vegetation-caused outages by mode of failure from 2015-2022 as recorded by PGE.	Colin Lang	5/4/2023	5/9/2023	5/9/2023	1	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-22-28 - Progression of Efficacy of Enhanced Clearance of Branch Study
334	OEIS	004	OEIS_004	8	OEIS_004_08	Regarding Vegetation Hazards Mitigated by PSPS a. Does PGE have data on vegetation hazards mitigated by PSPS? If so, provide the following table of vegetation hazards mitigated by results of failure in the HFTD between 2015 and 2022 broken out by year. PGE may add additional rows (i.e., mode of failure) if needed. MODE OF FAILURE FOR VEGETATION HAZARDS MITIGATED BY PSPS 2015 2016 2017 2018 2019 2020 2021 2022 Branch (total, < 120) Branch (with total, 4-120) Branch (with total, 4-120) Branch (with total, distance Unbroken) Branch (with total) Dead Tree Tree Fall (incl. severe defects) Tree Fall (high defect) Tree Fall (low defect) Tree Close Into Overhead DATA b. Provide a GIS layer of the features showing where EVM work was completed.	PGE interprets this question as identifying vegetation-related outages and hazards after patrolling and inspecting circuits impacted by PSPS. PGE started implementing PSPS in 2015, therefore, did not collect data from 2015-2019. While PGE's vegetation-related outages are not captured in this table, because the prevention are designed to prevent potential problems from vegetation contact, PSPS prohibits do not remove vegetation before modes PSPS is designed to prevent and mitigate potential problems from any vegetation-related outages or hazards regardless of the mode of failure. PGE does include PSPS vegetation-related outages or hazards when submitting 10-Day Post-Event Reports to the CPUC and on the Quarterly Data Standard Filing to OEIS.	Colin Lang	5/4/2023	5/9/2023	5/9/2023	0	NA	9.2.2	Public Safety/Power Shutoff	Method Used to Compare and Evaluate the Relative Consequences of PSPS and Wildfires
335	OEIS	004	OEIS_004	9	OEIS_004_09	Regarding Condition with Other Utilities on PSPS Wild Threats a. How does PGE coordinate with other utilities on PSPS Wild Threats? In collaboration with the joint DU team, PGE has performed effectiveness studies to evaluate how covered conductors can reduce system risk compared to bare conductors. b. List the collaboration efforts with the investor-owned utilities at evaluating the effect of covered conductors. c. How does PGE coordinate with other utilities on PSPS Wild Threats? d. List the collaboration efforts, if any, where adjusting PSPS wild threat thresholds for covered conductor was discussed. e. Provide a list of PGE's contacts that are fully trained with covered conductor.	The Joint DU Covered Conductor Working Group Report was provided to the original submission as part of attachment "Attachment 2023-03-27_PGE_2023_WMP_RB_Appendix D ACI PG&E 22-11_Attch01.pdf". a. As stated in response to ACI PG&E 22-31 in the 2022-2023 WMP, due to our PSPS modeling approach, we would not adjust our four PSPS risk thresholds to account for the inclusion of covered conductors. Our Current modeling approach is based on a risk-based assessment of the probability of ignition given an outage multiplied by the probability of catastrophic fire (the Potential Impact). Thus, we would not adjust the threshold at which PSPS is executed (each area is scoped for PSPS at the area level) based on covered conductors. b. PGE does, however, incorporate new outage data each year into our Outage Producing Winds (OPW) and Ignition Probability Weather (IPW) machine learning models. These updates account for any updated data to outage to ignition responses in local areas of the grid, including those due to ward upgrades like covered conductor in addition, PGE is also exploring if adding covered conductor as a feature of the IPV model in future iterations provides benefits (see Objective SA-4). c. Please reference "WMP Overview 2023_OIR_OEIS_004-Q005A001 CONP.pdf" for a list of historical DU covered conductor projects as well as a list of forecasted projects to be installed covered conductors.	Colin Lang	5/4/2023	5/9/2023	5/9/2023	1	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-22-31 - PSPS Wild Threat Change Evaluations
336	OEIS	004	OEIS_004	10	OEIS_004_10	Regarding Tree Fall and PSPS a. How does PGE coordinate with other utilities on PSPS Tree Fall? In collaboration with the joint DU team, PGE has performed effectiveness studies to evaluate how covered conductors can reduce system risk compared to bare conductors. b. List the collaboration efforts with the investor-owned utilities at evaluating the effect of covered conductors. c. How does PGE coordinate with other utilities on PSPS Tree Fall? d. List the collaboration efforts, if any, where adjusting PSPS tree fall thresholds for covered conductor was discussed. e. Provide a list of PGE's contacts that are fully trained with covered conductor.	Based on PGE's review of potential ignition events during a PSPS event, vegetation-related hazards pose the highest risk for ignition. Please reference Table 5 and Table 6 of the Quarterly Report PGE submits to OEIS. PGE's review of the ignition events shows the highest risk for ignition. PGE has incorporated tree fall potential and vegetation tags into its PSPS program (Catastropho Fire Probability (CFP) Phase see WMP Section 9.2.1 "Risk Thresholds and Decision-Making Process That Determine the Need for a PSPS" for additional information regarding PSPS CFP.	Colin Lang	5/4/2023	5/9/2023	5/9/2023	0	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-22-31 - PSPS Wild Threat/Change Evaluations

340	OEIS	004	OEIS_004	14	OEIS_004_014	<p>Regarding PG&E's Live of Downed Conductor Detection (DCD) and Partial Voltage Detection (PVD):</p> <ol style="list-style-type: none"> Provide any analysis completed on reliability impacts due to DCD, including: <ol style="list-style-type: none"> The number of outages that occurred due to DCD in 2022 and 2023 The number of outages broken down by cause based on ignition drivers listed in Table 6 of the GDR that occurred due to DCD in 2022 and 2023 Criteria used for DCD treatment (if applicable) The number of total customer impacts identified from DCD outages Any mitigations PG&E is using to reduce reliability impacts from DCD implementation, including lessons learned from testing Provide any analysis completed on reliability impacts due to PVD, including: <ol style="list-style-type: none"> The number of outages that occurred due to PVD in 2022 and 2023 The number of outages broken down by cause based on ignition drivers listed in Table 6 of the GDR that occurred due to PVD in 2022 and 2023 Criteria used for PVD treatment (if applicable) The number of total customer impacts identified from PVD outages Any mitigations PG&E is using to reduce reliability impacts from PVD implementation, including lessons learned from testing When evaluating outages due to EPSS, are DCD and PVD outages included as part of that evaluation? If so, what is the number of additional outages caused by PVD and DCD re-occurrence in 2023? If not, how does PG&E account for and track any associated reliability event safety impacts from DCD and PVD implementation, and how does that inform changes to the feasibility constraints? 	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<p>https://www.pge.com/legal/external/communications/2023-04-20-04154481.pdf https://www.pge.com/legal/external/communications/2023-04-20-04154482.pdf https://www.pge.com/legal/external/communications/2023-04-20-04154483.pdf</p>	0	NA	8.1.2.10.1	Grid Design and System Hardening	Downed Conductor Detection Devices
341	OEIS	004	OEIS_004	15	OEIS_004_015	<p>Regarding Feasibility Constraints:</p> <p>PG&E must provide an analysis of how, if at all, feasibility constraints impact the decision making of the Wildlife Governance Steering Committee in selecting a portfolio of mitigation measures to decarbonize from the risk of storm proliferation. This should include:</p> <ol style="list-style-type: none"> A flowchart or explanation of decision-making as processed by the Wildlife Governance Steering Committee, including any decisions that are not included in the WMP. The correlation between WFS and feasibility. Any associated shifts in prioritization due to implementing feasibility constraints A list of any projects not included within UC scope as to feasibility constraints 	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<p>https://www.pge.com/legal/external/communications/2023-04-20-04154484.pdf https://www.pge.com/legal/external/communications/2023-04-20-04154485.pdf https://www.pge.com/legal/external/communications/2023-04-20-04154486.pdf</p>	1	NA	Appendix D	Areas for Continued Improvement	ACI PG&E-23-34 - Review Process of Prioritizing Wildlife Mitigations
342	OEIS	004	OEIS_004	16	OEIS_004_016	<p>Regarding Effectiveness of EPSS:</p> <ol style="list-style-type: none"> Provide the formulae and calculations used by PG&E to determine the effectiveness of EPSS. Provide analysis demonstrating alternate mitigation beyond EPSS risk and wildfire risk impacts. PG&E's mitigation are directly addressing wildfire risk opposed to reliability. Provide PG&E's rationale for assuming EPSS-related mitigation measures, including risks and work hours shifted around wildfire risk mitigation. This should also include associated mitigation related mitigations. 	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<p>https://www.pge.com/legal/external/communications/2023-04-20-04154487.pdf https://www.pge.com/legal/external/communications/2023-04-20-04154488.pdf https://www.pge.com/legal/external/communications/2023-04-20-04154489.pdf</p>	2	NA	8.1.8.1.1	Grid Design Operations and Maintenance	Protective Equipment and Device Settings
343	OEIS	004	OEIS_004	17	OEIS_004_017	<p>Regarding PG&E's Undergirding Program:</p> <ol style="list-style-type: none"> Provide the correlation of V2 and V3 risk scores of the 2022 WMP vs. 2023 WMP undergirding scope for 2023. This should not include nor account for feasibility. Provide the analysis on the remaining risk of the risks no longer scoped for undergirding, including: <ol style="list-style-type: none"> Inform mitigations being put into place to scope for undergirding in the future The number of risks scoped for the future (per 2023) Alternative mitigations being used if no longer scoped for undergirding in the future 	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<p>https://www.pge.com/legal/external/communications/2023-04-20-04154490.pdf https://www.pge.com/legal/external/communications/2023-04-20-04154491.pdf https://www.pge.com/legal/external/communications/2023-04-20-04154492.pdf</p>	2	NA	8.1.2.2	Grid Design and System Hardening	Undergirding of Electric Lines and/or Equipment - Distribution
350	TURN	011	TURN_011	1	TURN_011_01	<p>1. PG&E's WMP (R1) page 4 references WDRM v3.</p> <p>2. Please explain and quantify the difference in risk scoring results between WDRM v2 and WDRM v3. Please provide all supporting data and analysis in Excel with working formulas.</p> <p>3. Please provide all results of WDRM v3 in Excel at the circuit segment, circuit protection zone, or most granular level available. This should include, at minimum, the following information in separate columns for all overhead HFTD and self identified HFRA risks that have been evaluated:</p> <p>4. Circuit segment identifier that can be used to cross-reference with PG&E's undergirding spreadsheet, provided in worksheet "2023-04-06_PGE_2023_WMP_R1_Appendix D ACI PG&E-23-34_A2611". Please add the unique identifier to the worksheet if necessary and provide in Excel if not already available. The unique identifier should also be incorporated into the response to question 2.</p> <p>5. Total wildfire risk score.</p> <p>6. Total overall risk score (wildfire + PSPS).</p> <p>7. Total PSPS risk score.</p> <p>8. Mean wildfire risk score (please explain in the response how this is calculated).</p> <p>9. Mean PSPS risk score (please explain in the response how this is calculated).</p> <p>10. Mean overall risk score (please explain in the response how this is determined).</p> <p>11. Cumulative number of undergirded risks (include the circuit ID and the number of undergirded projects).</p> <p>12. Please add 4 columns to the spreadsheet provided (part b) by the number of overhead risks expected to be undergirded in 2023, 2024, and 2025, respectively, corresponding to each circuit segment.</p>	Tom Long	5/1/2023	5/9/2023	5/9/2023	<p>https://www.pge.com/legal/external/communications/2023-04-20-04154493.pdf https://www.pge.com/legal/external/communications/2023-04-20-04154494.pdf https://www.pge.com/legal/external/communications/2023-04-20-04154495.pdf https://www.pge.com/legal/external/communications/2023-04-20-04154496.pdf</p>	2	NA	6.2	Risk Methodology and Assessment	Risk Analysis Framework

224	DEIS	003	DEIS_003	10	DEIS_003_010	<p>Regarding PG&E's Asset Inventory</p> <p>1. Provide a list of all fields that PG&E's asset inventory captures (e.g., equipment, equipment type, age, installation date).</p> <p>2. Provide a list of all types of equipment captured within PG&E's asset inventory.</p> <p>3. Provide a percentage to indicate PG&E's missing data for each data field based on (a) within its asset inventory.</p> <p>4. Provide an estimated percentage for the amount of assets missing from PG&E's asset inventory.</p>	Colin Lang	4/01/2023	6/01/2023	5/01/2023	<p>https://www.pge.com/web/ehp/about/asset-inventory</p> <p>https://www.pge.com/web/ehp/about/asset-inventory</p> <p>https://www.pge.com/web/ehp/about/asset-inventory</p> <p>https://www.pge.com/web/ehp/about/asset-inventory</p>	2	N/A	8.1.5	Asset Management and Inspection (Asset Inventory)	N/A
344	TURN	012	TURN_012	1	TURN_012_01	<p>1. Please confirm that the Simplified Withfire Risk Spreads (SWRSE) and Withfire Feasibility Expenditure (WFE) measures discussed on page 968 of PG&E's WMP.</p> <p>2. Please describe any differences in wildfire mitigation programs proposed in response to wildfire mitigation risk compared to the WMP and GRC for the years 2023-2025, and if any differences are described in (a) through (c), please provide a table that shows, on a program-by-program basis, the WMP proposed, the GRC proposed, and a description of the differences between the two, including without limitation differences in rationale or units of work. The table should include any wildfire mitigation programs that are proposed in one of the proceedings but not in the other.</p>	Tom Long	5/6/2023	5/11/2023	5/11/2023	<p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p>	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-23-34 - Review Process of Prioritizing Withfire Mitigation
352	CaPA	Set WMP-24	CaPA_Set WMP-24	1	CaPA_Set WMP-24_01	<p>In reference to your response to Question 11 of GRC California/PG&E 2023 WMP-16, in the most recent WMP/Discovery 2023, DR_01-001146601, it is noted that the CH to US conversion projects do not have an adjacent circuit line.</p> <p>On Table (a) through (c), please identify the adjacent circuits that tie to the circuits with CH to US conversion projects in Table (a) through (c).</p>	Holly Whitman	5/6/2023	5/12/2023	5/11/2023	<p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p>	2	N/A	8.1.2.2	Circuit Design and System Hardening	Understanding of Electric Lines and/or Equipment
345	TURN	012	TURN_012	2	TURN_012_02	<p>2. Comparing the wildfire mitigation plan proposed in PG&E's WMP with the wildfire mitigation plan proposed in PG&E's proposed 2023 GRC (21-04-021)</p> <p>3. Please describe any differences in wildfire mitigation programs proposed in response to wildfire mitigation risk compared to the WMP and GRC for the years 2023-2025, and if any differences are described in (a) through (c), please provide a table that shows, on a program-by-program basis, the WMP proposed, the GRC proposed, and a description of the differences between the two, including without limitation differences in rationale or units of work. The table should include any wildfire mitigation programs that are proposed in one of the proceedings but not in the other.</p>	Tom Long	5/6/2023	5/12/2023	5/12/2023	<p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p>	0	N/A	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
322	CaPA	Set WMP-22	CaPA_Set WMP-22	10	CaPA_Set WMP-22_010	<p>In response to data request California/PG&E 2023 WMP/22, question 1, PG&E provided its 2022 Quality Assurance/Quality Control (QA/QC) report (WMP/Discovery22_DR_California/PG&E 2022 QA/QC report) (WMP/Discovery22_DR_California/PG&E 2022 QA/QC report).</p> <p>1) For each of the 15 "zero tolerance & high-risk findings" identified on page 4 of the above report, what action has PG&E taken to mitigate these non-conformances in the future?</p> <p>2) For each of the 15 "zero tolerance & high-risk findings" identified on page 4 of the above report, describe when and how PG&E addressed the non-conformances to mitigate wildfire risk.</p> <p>3) For each category of the "Top Three Critical attribute findings" identified on page 4 of the above report, what action has PG&E taken to mitigate these non-conformances in the future?</p> <p>4) For each category of the "Top Three Critical attribute findings" identified on page 4 of the above report, describe how PG&E addressed the non-conformances to mitigate wildfire risk.</p> <p>5) Please describe all actions PG&E has taken to reduce the rate of critical attribute non-conformances in future distribution system inspections.</p> <p>6) What is PG&E's target Quality Plans Rate for 2023?</p> <p>7) Please compare and contrast the 2022 Quality Assurance/Quality Control (QA/QC) report and the QA program for system inspections that PG&E plans to implement (section 8.1.1 in PG&E's WMP).</p>	Holly Whitman	5/02/2023	5/12/2023	5/12/2023	<p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p>	2	N/A	8.1.6.1	Circuit Design and System Hardening	Quality Assurance and Quality Control
353	MGRA	Data Request No. 5	MGRA_Data Request No. 5	1	MGRA_Data Request No. 5_01	<p>Is the sole source of this POI data the machine learning algorithm described in WDRM documentation? If not, what other inputs go into the POI?</p>	Joseph Michael	5/10/2023	5/15/2023	5/15/2023	<p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p>	0	N/A	Appendix C (8.4.1.1, 8.4.1.2)	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HPFA
354	MGRA	Data Request No. 5	MGRA_Data Request No. 5	2	MGRA_Data Request No. 5_02	<p>Is the fire-prone POI distribution a result of the localization of specific historical outages, characteristics of assets, or environment, or both?</p>	Joseph Michael	5/10/2023	6/15/2023	5/15/2023	<p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p>	0	N/A	Appendix C (8.4.1.1, 8.4.1.2)	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HPFA
355	MGRA	Data Request No. 5	MGRA_Data Request No. 5	3	MGRA_Data Request No. 5_03	<p>Which of the following characteristics is known or suspected to contribute to the fire-prone localization of POI: above ground, and/or other degree:</p> <p>1. Vegetation</p> <p>2. Asset health</p> <p>3. Asset type</p> <p>4. Asset age</p> <p>5. Asset type</p> <p>6. Asset type</p>	Joseph Michael	5/10/2023	5/15/2023	5/15/2023	<p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p>	0	N/A	Appendix C (8.4.1.1, 8.4.1.2)	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HPFA
356	MGRA	Data Request No. 5	MGRA_Data Request No. 5	4	MGRA_Data Request No. 5_04	<p>As an example of "localized outage" effects, if a vehicle were to collide with a utility pole and cause an outage in the vicinity of the impact point, and if the POI were to be recalculated, would the area where the outage occurred show an elevated POI or would conversely the incremental increase rate of vehicle collision outage be generally distributed over the entire landscape, or portions of the landscape?</p>	Joseph Michael	5/10/2023	5/15/2023	5/15/2023	<p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p>	0	N/A	Appendix C (8.4.1.1, 8.4.1.2)	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HPFA
357	MGRA	Data Request No. 5	MGRA_Data Request No. 5	5	MGRA_Data Request No. 5_05	<p>Are the weather-related metrics in the WDRM GRC model any other metrics than that described in WDRM 2.0 discussion, or other aggregated party variables such as annual treatment or annual days over peak used as repository variables?</p>	Joseph Michael	5/10/2023	5/15/2023	5/15/2023	<p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p> <p>https://www.pge.com/web/ehp/about/turn/turn012</p>	0	N/A	Appendix C (8.4.1.1, 8.4.1.2)	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HPFA

381	CPUC - SPD (Safety Policy Division)	008	CPUC - SPD (Safety Policy Division)_008	1	CPUC - SPD (Safety Policy Division)_008_01	<p>After the items pointed out by SPD there appeared to be a discrepancy in the methodology used to calculate the risk mitigation effectiveness of PSPS. Undergrounding of Covered Conductor (CC) was included in the most recent analysis but based on incorrect data. The risk mitigation effectiveness of PSPS is the second most as it is based on incorrect data, and the CC is the least-mitigated risk mitigation effectiveness as it is based on incorrect data. The risk mitigation effectiveness of PSPS is the second most as it is based on incorrect data, and the CC is the least-mitigated risk mitigation effectiveness as it is based on incorrect data. The risk mitigation effectiveness of PSPS is the second most as it is based on incorrect data, and the CC is the least-mitigated risk mitigation effectiveness as it is based on incorrect data.</p>	Kevin Miller	5/17/2023	5/22/2023	5/22/2023	0	NA	8.1.1.1	Grid Design, Operations and Maintenance	Protective Equipment and Device Safety
382	CPUC - SPD (Safety Policy Division)	008	CPUC - SPD (Safety Policy Division)_008	2	CPUC - SPD (Safety Policy Division)_008_02	<p>3. PG&E asserted that PG&E is addressing the risk from secondary lines and service drops in part by installing the secondary with covered and conductor and breakaway conductors of service drops (see PG&E's response to Question 4 of the QIP). PG&E 2024 QIP additional disclosures: PG&E also stated that there may need to be a messaging update because the 99% mitigation effectiveness is only meant to apply to primary lines that are not in the area of the service drop.</p> <p>4. How does PG&E foresee clarifying the information in its message?</p>	Kevin Miller	5/17/2023	5/22/2023	5/22/2023	0	NA	8.1.2.2	Grid Design and System Reliability	Undergrounding of Electric Lines and/or Equipment - Distribution
384	OESB	006	OESB_006	1	OESB_006_01	<p>Regarding PG&E's response to OESB DR 2 Question 10, Attachment 1:</p> <p>4. Explain the difference between a Field Safety Assessment and a Planned Field Safety Assessment. In what instances would PG&E conduct a work order due to a Field Safety Assessment? Provide all supporting documentation and criteria, including any procedures and inspection protocols demonstrating decision-making.</p> <p>5. In what instances would a Standard Change lead to a working order or due date? Provide all supporting documentation and criteria, including any procedures and inspection protocols demonstrating decision-making. Additionally, provide examples in which this has occurred, including any supporting changes.</p> <p>6. PG&E included three Priority A work order documents with its table titled "Table 13 - One".</p> <p>7. Provide the work order documentation associated with each of these items (i.e., Electric Connection notification).</p> <p>8. Are these tags still valid? If not, provide the respective completion date for when each tag was closed, as applicable.</p> <p>9. Within work orders, PG&E included 13 Priority A work orders that were closed in 2022 and 52 that are still open.</p> <p>10. Explain what circumstances would lead to a Priority A tag with non-PTD.</p> <p>11. Provide a list of the projects in which the 13 closed work orders were associated with, including details on the associated mitigation being used.</p> <p>12. Provide a list of the projects in which the 52 work orders were associated with, including details on the associated mitigation being used.</p> <p>13. Regarding PG&E's written risk mitigation:</p> <p>a. Provide a description of the mitigation PG&E uses to determine whether or not a risk is a safety critical mitigation (i.e., the mitigation is a safety critical mitigation). Provide a description of the mitigation PG&E uses to determine whether or not a risk is a safety critical mitigation (i.e., the mitigation is a safety critical mitigation). Provide a description of the mitigation PG&E uses to determine whether or not a risk is a safety critical mitigation (i.e., the mitigation is a safety critical mitigation).</p> <p>14. Provide PG&E a list of Facility-Damage-Action (FDA) codes for determining which ones present an ignition risk, as discussed in Appendix to California Data Report 19, Question 8.</p>	Debra Smith	5/18/2023	5/23/2023	5/23/2023	8	NA	8.1.7	Open Work Orders	NA
385	OESB	006	OESB_006	2	OESB_006_02	<p>Regarding PG&E's Other Data Requests:</p> <p>1. Attachment 1 in response to Data Request 19 Question 10</p> <p>2. Attachment 1 in response to Data Request 21 Question 5</p> <p>3. Attachment 1 in response to Data Request 22 Question 1</p> <p>4. Attachment 1 in response to Data Request 24 Question 1</p> <p>5. Attachment 1 in response to Data Request 7 Question 1</p> <p>6. Attachment 1 in response to Data Request 7 Question 3</p> <p>7. Attachment 1 in response to Data Request 10 Question 2</p> <p>8. Attachment 1 in response to Data Request 10 Question 7</p> <p>9. Attachment 1 in response to Data Request 10 Question 7</p>	Debra Smith	5/18/2023	5/23/2023	5/23/2023	2	NA	NA	NA	NA
386	OESB	006	OESB_006	3	OESB_006_03	<p>Regarding PG&E's response to TURIN's Data Request 7, Question 3:</p> <p>1. WFE scores</p> <p>2. WFE scores</p> <p>3. Feasibility scores</p> <p>4. V3 risk scoring</p> <p>5. V3 risk scoring</p> <p>6. V3 risk scoring</p> <p>7. V3 risk scoring</p> <p>8. V3 risk scoring</p> <p>9. V3 risk scoring</p> <p>10. V3 risk scoring</p> <p>11. V3 risk scoring</p> <p>12. V3 risk scoring</p> <p>13. V3 risk scoring</p> <p>14. V3 risk scoring</p> <p>15. V3 risk scoring</p> <p>16. V3 risk scoring</p> <p>17. V3 risk scoring</p> <p>18. V3 risk scoring</p> <p>19. V3 risk scoring</p> <p>20. V3 risk scoring</p> <p>21. V3 risk scoring</p> <p>22. V3 risk scoring</p> <p>23. V3 risk scoring</p> <p>24. V3 risk scoring</p> <p>25. V3 risk scoring</p> <p>26. V3 risk scoring</p> <p>27. V3 risk scoring</p> <p>28. V3 risk scoring</p> <p>29. V3 risk scoring</p> <p>30. V3 risk scoring</p> <p>31. V3 risk scoring</p> <p>32. V3 risk scoring</p> <p>33. V3 risk scoring</p> <p>34. V3 risk scoring</p> <p>35. V3 risk scoring</p> <p>36. V3 risk scoring</p> <p>37. V3 risk scoring</p> <p>38. V3 risk scoring</p> <p>39. V3 risk scoring</p> <p>40. V3 risk scoring</p> <p>41. V3 risk scoring</p> <p>42. V3 risk scoring</p> <p>43. V3 risk scoring</p> <p>44. V3 risk scoring</p> <p>45. V3 risk scoring</p> <p>46. V3 risk scoring</p> <p>47. V3 risk scoring</p> <p>48. V3 risk scoring</p> <p>49. V3 risk scoring</p> <p>50. V3 risk scoring</p> <p>51. V3 risk scoring</p> <p>52. V3 risk scoring</p> <p>53. V3 risk scoring</p> <p>54. V3 risk scoring</p> <p>55. V3 risk scoring</p> <p>56. V3 risk scoring</p> <p>57. V3 risk scoring</p> <p>58. V3 risk scoring</p> <p>59. V3 risk scoring</p> <p>60. V3 risk scoring</p> <p>61. V3 risk scoring</p> <p>62. V3 risk scoring</p> <p>63. V3 risk scoring</p> <p>64. V3 risk scoring</p> <p>65. V3 risk scoring</p> <p>66. V3 risk scoring</p> <p>67. V3 risk scoring</p> <p>68. V3 risk scoring</p> <p>69. V3 risk scoring</p> <p>70. V3 risk scoring</p> <p>71. V3 risk scoring</p> <p>72. V3 risk scoring</p> <p>73. V3 risk scoring</p> <p>74. V3 risk scoring</p> <p>75. V3 risk scoring</p> <p>76. V3 risk scoring</p> <p>77. V3 risk scoring</p> <p>78. V3 risk scoring</p> <p>79. V3 risk scoring</p> <p>80. V3 risk scoring</p> <p>81. V3 risk scoring</p> <p>82. V3 risk scoring</p> <p>83. V3 risk scoring</p> <p>84. V3 risk scoring</p> <p>85. V3 risk scoring</p> <p>86. V3 risk scoring</p> <p>87. V3 risk scoring</p> <p>88. V3 risk scoring</p> <p>89. V3 risk scoring</p> <p>90. V3 risk scoring</p> <p>91. V3 risk scoring</p> <p>92. V3 risk scoring</p> <p>93. V3 risk scoring</p> <p>94. V3 risk scoring</p> <p>95. V3 risk scoring</p> <p>96. V3 risk scoring</p> <p>97. V3 risk scoring</p> <p>98. V3 risk scoring</p> <p>99. V3 risk scoring</p> <p>100. V3 risk scoring</p>	Debra Smith	5/18/2023	5/23/2023	5/23/2023	1	NA	8.1.2.2	Grid Design and System Reliability	Undergrounding of Electric Lines and/or Equipment - Distribution
339	OESB	004	OESB_004	13	OESB_004_013	<p>Regarding PG&E's Asset Inventory Data Requests:</p> <p>1. Attachment 1 in response to Data Request 19 Question 10</p> <p>2. Attachment 1 in response to Data Request 21 Question 5</p> <p>3. Attachment 1 in response to Data Request 22 Question 1</p> <p>4. Attachment 1 in response to Data Request 24 Question 1</p> <p>5. Attachment 1 in response to Data Request 7 Question 1</p> <p>6. Attachment 1 in response to Data Request 7 Question 3</p> <p>7. Attachment 1 in response to Data Request 10 Question 2</p> <p>8. Attachment 1 in response to Data Request 10 Question 7</p> <p>9. Attachment 1 in response to Data Request 10 Question 7</p>	Colin Lang	5/4/2023	5/23/2023	5/23/2023	1	NA	Appendix D	Asset for Confirmed Improvement	ACI PG&E-23-33 - Progress on Filing Asset Inventory Data Gap
387	OESB	007	OESB_007	1	OESB_007_01	<p>Regarding PG&E's Asset Inventory Data Requests:</p> <p>1. Attachment 1 in response to Data Request 19 Question 10</p> <p>2. Attachment 1 in response to Data Request 21 Question 5</p> <p>3. Attachment 1 in response to Data Request 22 Question 1</p> <p>4. Attachment 1 in response to Data Request 24 Question 1</p> <p>5. Attachment 1 in response to Data Request 7 Question 1</p> <p>6. Attachment 1 in response to Data Request 7 Question 3</p> <p>7. Attachment 1 in response to Data Request 10 Question 2</p> <p>8. Attachment 1 in response to Data Request 10 Question 7</p> <p>9. Attachment 1 in response to Data Request 10 Question 7</p>	Alex Salomon	5/24/2023	5/30/2023	5/30/2023	0	NA	8.4.6	Emergency Preparedness	Customer Support in Wildfire and PSPS Emergencies

305	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009_02	2	CPUC - SPD (Safety Policy Division)_009_02	<p>a. The statement is classified broadly PSPS</p> <p>b. The CPUC operates independently of PSPS and is based on different criteria and benchmarks designed to mitigate hazards and threats that can lead to loss of life and loss of non-PSPS conditions. See PG&E's 2023 WMP, Section 8.1.6 PSPS indicators of operational maturity, flexibility, and system resilience is based on risk limited to:</p> <p>Operational Maturity</p> <p>c. Developed procedures in the PSPS decision making process by reviewing information provided by our SMEs and determining when there is an imminent or significant risk of adverse events impacting PG&E assets and a significant risk of harm. Resilience indicators should quantify risk (see section 7.2 of PG&E's 2023 WMP)</p> <p>d. Implemented procedures for weather forecasting and scoring capabilities by utilizing Caltrans' Probable Maximum Flood (PMF) model which employs granular scoring processes to supplement the public safety risk assessment by segmenting smaller segments of the grid within the close confines of the fire critical weather</p> <p>e. Implemented procedures for weather forecasting and scoring capabilities by utilizing Caltrans' Probable Maximum Flood (PMF) model which employs granular scoring processes to supplement the public safety risk assessment by segmenting smaller segments of the grid within the close confines of the fire critical weather</p> <p>f. Making extensive use of Advanced Notifications and outreach tools to notify impacted customers of the expected de-energization plan (see section 4.2 of PG&E's 2023 WMP)</p> <p>g. Using an extensive camera, weather station, and satellite weather monitoring network and on the ground personnel to collect real-time observations to inform and speed the identification of weather "At-Risk" times in more precise, smaller areas, to get customers back in service faster (see section 7.3.2.1 of PG&E's 2023 WMP)</p> <p>h. Revising and increasing resources for restoration efforts, including use of helicopters and fleet wing services to conduct low safety paths after the weather "At-Risk" warning service to safe lines as quickly as possible subject to operational safety and ability to access equipment for public and any needed repairs (see section 7.3.5 of PG&E's 2023 WMP)</p> <p>i. Supporting vulnerable customers through California Foundation for Independent Living Centers (CILC) and Community Based Organizations (CBO) response</p> <p>PG&E has an internal ethics and conflict of interest protocol in its Emergency Operations Center (EOC). As such, we are at various stages of training completion. In addition, different courses within the EOC require different levels of training. Some of the courses at the more advanced level are instructor led and offered quarterly. PG&E is increasing the number of instructors this year to be able to deliver these offerings in 2024.</p> <p>PG&E is able to verify that a message was delivered to the phone number and email address on file for the customer or record associated with the premises identified as impacted by a power PSPS. PSPS outages and/or outages due to a utility. Power number and/or email address are requested at the time an account is established and we verify every customer's phone and email address at the time of account setup. If a customer speaks with a Contact Center Customer Service Representative (CSR) and has not updated contact information in the past 60 days via CSR. To ensure we have the most updated contact information for customers of record, we have established outreach initiatives a standard call to verify to update contact information. In addition, Business Energy Solutions Account Reps engage with critical facilities and educational, telecommunications and providers and transmission level entities in high fire risk areas and they are impacted by PSPS and CPUC EOC emails to confirm contact information for the impacted customer. In addition, contact information for CBOs and Personal agencies is maintained via regular engagement by the AFN MFL Outreach Program. The outreach team, and any SPV, in addition to specific campaigns via mail and email to encourage contact information updates, we conduct a weekly review to identify customers with the missing or outdated contact information as described in our Customer Care and Billing System (CCBS). Additionally, we cross-reference contact information submitted through other program applications (e.g., CARE/EVA and others) to a daily sync between our Salesforce Application and MFL database within the CCBS system. These weekly data processes are conducted year-round to help ensure the MFL and SPV contact information is current. Local and state agencies that require access are engaged by Local Government Affairs and Public Safety Specialists annually to confirm contact information/identify new needs for the purpose of outreach efforts.</p> <p>Our MFL and SPV customers are sent annual communication either by email or a postcard if an address is not provided by the customer (between March and August) to reinforce the importance of having up-to-date contact information on file and encourage them to provide an alternate means of contact for PSPS notifications. MFL and SPV information is updated automatically and in real-time when a customer logs into the PG&E account and updates their information or when a year period participation expires.</p> <p>Requests to change contact information can be submitted via multiple channels. Therefore, there is no dedicated staffing member or department that implements changes. For example, contact information can be changed by customers via our website which updates our record directly. To Quality Assurance and Quality Control (QA/QC) the MFL and SPV customer contact information is updated weekly review to identify customers with missing or invalid contact information as described in our Customer Care and Billing System (CCBS). Additionally, we cross-reference contact information submitted through our other program applications (e.g., CARE/EVA and others) to a daily sync between our Salesforce Application and MFL database within the CCBS system. These weekly data processes are conducted year-round to help ensure the MFL and SPV contact information is current. Local and state agencies that require access are engaged by Local Government Affairs and Public Safety Specialists annually to confirm contact information/identify new needs for the purpose of outreach efforts.</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	0	NA	9.1.2	Public Safety Power Shutoff	Identification of Frequency Distribution Circuits
306	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009_03	3	CPUC - SPD (Safety Policy Division)_009_03	<p>SP&E has less than the required number of personnel with required training for several categories in Table B-30. PG&E's Personnel Training Programs for Electric and PSPS Events. Other states related to staffing include for example, all staffing will complete training on time and seasons for all being completed in the timing of a required position. Why are there less than required values of personnel not completing the training?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	0	NA	8.1.3	Grid Operations and Procedures	Personnel Work Procedures and Training in Conditions of Elevated Fire Risk
307	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009_04	4	CPUC - SPD (Safety Policy Division)_009_04	<p>SP&E provides means to verify message receipt in Table B-49. PG&E's Protocols for Emergency Communication to Stakeholder Groups. How accurate is the receipt information with regard to sending messages are reaching intended recipients/aware to act in relevant early notices (e.g., including, but not limited to, those that PG&E has a way to continuously verify that the contact information on file is current to help ensure such important notices are being received by the intended recipients)?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	0	NA	8.4.1	Emergency Preparedness	Protocols for Emergency Communications
308	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009_05	5	CPUC - SPD (Safety Policy Division)_009_05	<p>SP&E issues notifications to AFN members. How does PG&E ensure that these notifications are received and that contact information is up to date? How does PG&E have a way to continuously verify that the contact information on file is current to help ensure such important notices are being received by the intended recipients?</p>	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
309	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009_06	6	CPUC - SPD (Safety Policy Division)_009_06	<p>SP&E mentions pre-pandemic in-person engagement. Does PG&E have data comparing pre-pandemic engagement to pandemic limitations engagement efforts and among other things, attendance? For instance, are there metrics/data regarding non-APNMB and APNMB?</p>	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	<p>SP&E states that if an AFN customer does not answer the door, the notification is considered successful if a door hanger is left. What return policy/practice is PG&E following that classifies a door hanger as a successful notification?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	0	NA	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
372	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005_01	1	CPUC - SPD (Safety Policy Division)_005_01	<p>Regarding cost in PG&E's undergrounding grid hardening mitigation initiative projects, used in calculating cost-efficiency and project feasibility as described in the 2023-2025 WMP (p. 340 and p. 358), is data and looking forward?</p> <p>What was the average cost per circuit mile for undergrounding in 2022, 2021, and 2020, in the HFTD, non-HFTD, and battery-aided?</p> <p>What is the average cost per circuit mile expected in 2023, 2024, and 2025, in the HFTD, non-HFTD, and battery-aided?</p> <p>For non-HFTD and battery-aided, explain expected average year-over-year cost changes.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
373	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005_02	2	CPUC - SPD (Safety Policy Division)_005_02	<p>How does the utility's cost estimate breakdown for undergrounding per mile. Provide the cost estimate in a commonly used cost-estimating format (e.g., Uniform). If the utility uses a different format, provide internal documentation on that format so SPD can understand the cost estimate.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
374	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005_03	3	CPUC - SPD (Safety Policy Division)_005_03	<p>How is PG&E incorporating subsurface variability (e.g., encountering hard rock, slope, or other conditions presenting significant, physical obstacles) into undergrounding cost calculations? Provide an example.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution

375	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005_4	4	CPUC - SPD (Safety Policy Division)_005_4	4	<p>RCOG has stated that CalTerra bench depth requirements exceeded POGE bench depth requirements. How has impacted costs and planning? For planning purposes, what percentages of additional underground circuit miles will be impacted by the CalTerra bench depth requirements for 2023-2025?</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
376	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005_5	5	CPUC - SPD (Safety Policy Division)_005_5	5	<p>How does service the impact cost calculation?</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
377	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005_6	6	CPUC - SPD (Safety Policy Division)_005_6	6	<p>What is the estimated multiplier for conversion from overhead (OH) line to underground (UG) line (e.g., 1.25 MW converts to 1.25 MILE UG)? How was the conversion factor determined? How was it established as the accepted/operating average for project planning purposes?</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
378	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005_7	7	CPUC - SPD (Safety Policy Division)_005_7	7	<p>7. On pilot projects completed to date: a. What is the total all-in cost per mile? b. What is the breakdown of project costs per mile? SPD expects to see the following components inside of the cost, although SPD understands they may not be broken down in the exact format: (Specifying (e.g., primary line, secondary line, etc. or other) (Design (e.g., labor, materials, other costs) (Construction (e.g., permits, construction, long-term maintenance) (Operation (e.g., O&M, maintenance, electric connection) (Other) (e.g., direct payments to homeowners or homeowners may complete work such as landscaping or road repair)</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
379	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005_8	8	CPUC - SPD (Safety Policy Division)_005_8	8	<p>8. Please provide WMP/Discovery/DR_TURN_007-000144ish/CONF.xlsx, used to address TURN Data Request 7, Question 1, discussing T&E calculation for system hardening.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
380	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005_9	9	CPUC - SPD (Safety Policy Division)_005_9	9	<p>9. On page 15 of the 2023-2025 WMP POGE states that the WDOM of ignition scenario is "POGE's historical ignition data, 2015-2021 (approximately 1,200 CPUC-acceptable ignitions and approximately 1,000 non-acceptable ignitions)". a. Describe how POGE is using the ~1,900 non-CPUC-acceptable ignitions in its risk modeling. b. Provide the ~1,900 non-CPUC-acceptable ignition data as a spreadsheet in format similar to the existing CPUC-acceptable data (see CPUC SPD_POGE_2023_UG and 4/4/2024 and Wildlife Safety Ignition, under the Ignition Data).</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	0	NA	6.2.1	Risk Methodology and Assessment	Risk and Risk Component Identification
405	CaPA	Sat WMP-26	CaPA_Sat WMP-26_01	1	CaPA_Sat WMP-26_01	1	<p>a) Please describe your general process or strategy for developing load forecasts. b) Do you have a written process or procedure for developing load forecasts? c) If the answer to (a) is "yes," provide a write-up. d) If the answer to (b) is "no," explain why not.</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	2	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
406	CaPA	Sat WMP-26	CaPA_Sat WMP-26_02	2	CaPA_Sat WMP-26_02	2	<p>a) Do you consider load growth projections when you determine which system hardening measures to deploy for wildfire mitigation purposes? b) If the answer to (a) is "yes," explain how load growth projections influence your mitigation selection process. c) If the answer to (a) is "no," explain why not.</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
407	CaPA	Sat WMP-26	CaPA_Sat WMP-26_03	3	CaPA_Sat WMP-26_03	3	<p>a) When you plan system hardening projects for wildfire mitigation purposes, do you design projects to accommodate forecasted load growth? b) If yes, what degree of load growth do you design for? c) Describe your process for incorporating forecasted load growth into the design of system hardening projects (for instance, which scenarios of possible load growth are considered).</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
408	CaPA	Sat WMP-26	CaPA_Sat WMP-26_04	4	CaPA_Sat WMP-26_04	4	<p>a) In a typical bare conductor to covered conductor conversion project, is the intention to maintain, increase, or decrease the load capacity at peak operating temperatures? b) Explain the reasoning for your response to (a).</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
409	CaPA	Sat WMP-26	CaPA_Sat WMP-26_05	5	CaPA_Sat WMP-26_05	5	<p>a) Are all bare covered conductor installation projects designed to accommodate loads greater than current covered capacity for the same span? b) If the answer to (a) is "yes," explain how. c) If the answer to (a) is "no," explain why not.</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
410	CaPA	Sat WMP-26	CaPA_Sat WMP-26_06	6	CaPA_Sat WMP-26_06	6	<p>a) Are all overhead to underground conductor conversion projects designed to accommodate loads greater than current capacity for the same span? b) If the answer to (a) is "yes," explain how. c) If the answer to (a) is "no," explain why not.</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
411	CaPA	Sat WMP-26	CaPA_Sat WMP-26_07	7	CaPA_Sat WMP-26_07	7	<p>Describe the challenges or advantages entailed in increasing load capacity on a circuit that has previously been designed with covered conductor.</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution
412	CaPA	Sat WMP-26	CaPA_Sat WMP-26_08	8	CaPA_Sat WMP-26_08	8	<p>Describe the challenges or advantages entailed in increasing load capacity on a circuit that has previously been designed with underground conductor.</p>	Holly Whitman	7/27/2023	8/10/2023	8/10/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment - Distribution

415	CaPA	Sat WMP-27	CaPa_Sat WMP-27	1	CaPa_Sat WMP-27_01	<p>The article states the following: The California utility company PG&E spent about \$2.5 billion on a yearlong effort aimed at reducing wildfire risk by cutting or clearing more than a million trees growing alongside power lines. 3 I now say that work was largely ineffective and is interrupting the program, according to an internal analysis reviewed by The Wall Street Journal and interviews with utility executives.</p> <p>1) Did PG&E provide an internal analysis to the Wall Street Journal as described in the article? 2) If the answer to part (a) is yes, please provide a copy of the internal analysis described in the article. 3) If the answer to part (a) is no, please state when PG&E provided a copy of the internal analysis to the Wall Street Journal. 4) If the answer to part (a) is no, please provide a copy of the internal analysis described in the article.</p>	<p>PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ; however, PG&E does not know how they were used by WSJ. I have obtained "WMP-Disclosure2023_DR_California_027-0001A.html"; 3) Please see part (a). c) The materials were shared on July 25, 2023. d) Not applicable. 4) Please see part (a).</p>	Holly Whitman	8/4/2023	8/16/2023	8/16/2023	1	NA	8.2.2.25	Vegetation Management and Inspections	Focused Tree Inspections
416	CaPA	Sat WMP-27	CaPa_Sat WMP-27	2	CaPa_Sat WMP-27_02	<p>The California utility company PG&E spent about \$2.5 billion on a yearlong effort aimed at reducing wildfire risk by cutting or clearing more than a million trees growing alongside power lines. 3 I now say that work was largely ineffective and is interrupting the program, according to an internal analysis reviewed by The Wall Street Journal and interviews with utility executives.</p> <p>1) Please list the utility executives who were interviewed by The Wall Street Journal as described in the article. If for each executive listed in part (a), please provide the date or dates the interview occurred. 2) For each executive listed in part (a), please provide transcripts of the interview. If available.</p>	<p>PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ; however, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Disclosure2023_DR_California_027-0001A.html". 4) The following PG&E executives were interviewed by The Wall Street Journal: - Chief Executive Officer - Chief Financial Officer - Chief Information Officer - Chief Safety Officer - Senior Vice President, Major Infrastructure Delivery 5) The interview occurred on July 25, 2023. 6) PG&E does not have transcripts of the interview, but is providing the following transcript of the interview. Please see attachment "WMP-Disclosure2023_DR_California_027-0001A.html".</p>	Holly Whitman	8/4/2023	8/16/2023	8/16/2023	1	NA	8.2.2.25	Vegetation Management and Inspections	Focused Tree Inspections
417	CaPA	Sat WMP-27	CaPa_Sat WMP-27	3	CaPa_Sat WMP-27_03	<p>The article states the following: PG&E now says that work was largely ineffective and is interrupting the program, according to an internal analysis reviewed by The Wall Street Journal and interviews with utility executives.</p> <p>1) Please explain what is meant by the italicized quoted above that the work described in the article was "largely ineffective." 2) Please provide "direct quotations."</p>	<p>4) PG&E did not say that the work was largely ineffective. PG&E provided the following materials to WSJ; however, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Disclosure2023_DR_California_027-0001A.html". 5) Please see the recording of the interview provided in response to question 4). 6) See response in 4).</p>	Holly Whitman	8/4/2023	8/16/2023	8/16/2023	0	NA	8.2.2.25	Vegetation Management and Inspections	Focused Tree Inspections
418	CaPA	Sat WMP-27	CaPa_Sat WMP-27	4	CaPa_Sat WMP-27_04	<p>The article states the following: The California utility giant says the program, which involved creating wide areas between live wires and potentially hazardous trees, resulted in a 1% reduction in ignition events during periods when the risk was highest, typically in autumn, according to the company's internal analysis.</p> <p>Measured across a full year, the work resulted in a 7% reduction in ignitions.</p> <p>1) Please provide the analysis and data to support the 1% reduction in ignitions during periods when fire risk was highest. 2) Please provide the analysis and data to support the 7% reduction in ignitions across a full year.</p>	<p>4) PG&E aimed at the analysis of 1% based on our risk-based assessment methodology in the Current Risk Rate. This analysis reflects the use of year-round ignition data, however, historical ignitions and wildfires tend to more consequential fires occur during the autumn and are reflected in the contribution to the risk. For the purposes of this data request, PG&E summarized the analysis in attachment "WMP-Disclosure2023_DR_California_027-0001A.html". Here is a summary of the steps that aimed at each point: - Based on the wildfire risk assessment for the period of 2015-2022, PG&E chose areas for HTFD systems to be installed. - Of which, approximately 52% of HTFD ignitions occurred from vegetation fires, contributing 61% of the risk. - Based on the scope of EVM, its effectiveness to mitigate ignitions occurred only on a subset of installations of vegetation fires. For example, "all trees (the definition is 2% of the vegetation volume) had 0% EVM effectiveness." - Based on the reported effectiveness of the treatment to the type of vegetation fuels and the contribution to risk, EVM's effectiveness was expected to be approximately 13%, as seen on table 1. - The 7% reduction in ignitions during a full year was based off of an ongoing EVM effectiveness study based on several EVM locations against reported performance. This study utilized WMP-Disclosure2023_DR_California_027-0001A.html. - OSGAHMSI had assessed several datasets including ignition events, POPS damage and hazard events and outage events. However, due to limited sample size of ignition data at EVM locations, outages and POPS damage and hazards were used as a proxy for ignition reduction. This assessment done in August 2022 showed that EVM reduced these events by 70%. For the other weather outage types, the statistical significance was too small to draw conclusions from the results. PG&E then made an error and reduced this 70% by the outage to ignition ratio of 87% to arrive at an incorrect 7% ignition reduction in a year. This miscalculation is appropriate to calculate the expected count of ignitions reduced in a year where EVM is performed but not to calculate the percentage of ignitions reduced in a year. The more appropriate way is to factor in the effectiveness of 70% outage reduction (as a proxy for ignition reduction) on the day-to-day multiplied by the scope of EVM (13%) to arrive at a 9.1% reduction in ignitions.</p>	Holly Whitman	8/4/2023	8/16/2023	8/16/2023	2	NA	8.2.2.25	Vegetation Management and Inspections	Focused Tree Inspections
419	CaPA	Sat WMP-27	CaPa_Sat WMP-27	5	CaPa_Sat WMP-27_05	<p>1) Responses to data request "Substation Annual Abatement Effectiveness Study" questions 1-4, questions 6, 8, 9, 10, 11, 2023. PG&E stated that it expected to complete the Substation Annual Abatement Effectiveness Study by July 18, 2023.</p> <p>4) Has PG&E completed the Substation Annual Abatement Effectiveness Study? 5) 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. 6) If the answer to part (a) is no, please state when PG&E currently expects to complete the Substation Annual Abatement Effectiveness Study.</p>	<p>4) We have not yet completed our Substation Annual Abatement Effectiveness Study in partnership with Electric Power Research Institute (EPRI). 5) That report will incorporate industry benchmark data, which is being longer than expected. Completion is expected by 01/2024.</p>	Holly Whitman	8/4/2023	8/16/2023	8/16/2023	0	NA	8.1.1.22	Grid Design and System Planning	Other Technologies and Systems - Substation Annual Abatement
420	CaPA	Sat WMP-27	CaPa_Sat WMP-27	6	CaPa_Sat WMP-27_06	<p>1) Responses to data request "TRN/PG&E" question 2 on April 10, 2023. PG&E stated the following: Additionally, we are in the process of finalizing study that is planned to be completed by June 30, 2023. This study will assess the reliability security improvements to locations that have been undergrounded and have been hardened with conductor conductor.</p> <p>4) Has PG&E completed the study described above? 5) If the answer to part (a) is yes, please provide a copy of any reports or other output from the study described above. 6) If the answer to part (a) is no, please state when PG&E currently expects to complete the study described above.</p>	<p>4) We have not yet completed the above referenced study. 5) Not applicable. 6) PG&E currently expects to complete the study in October 2023.</p>	Holly Whitman	8/4/2023	8/16/2023	8/16/2023	0	NA	NA	NA	NA
421	CaPA	Sat WMP-27	CaPa_Sat WMP-27	7	CaPa_Sat WMP-27_07	<p>Please provide a copy of PG&E's 2022 Annual Electric Reliability Report. This should be similar to the documents provided to TRN/PG&E in response to TRN/PG&E's question 1 on April 10, 2023.</p>	<p>Please see "WMP-Disclosure2023_DR_California_027-0001A.html" pdf for a copy of the 2022 Annual Electric Reliability Report.</p>	Holly Whitman	8/4/2023	8/16/2023	8/16/2023	1	NA	NA	NA	NA
422	OEBIS	011	OEBIS_011	1	OEBIS_011_01	<p>Regarding distribution detailed ground inspections</p> <p>a. On page 464 of revised WMP, PG&E states that it will shift from inspecting all HTFD tier 3 distribution assets annually and tier 2 assets every three years, to inspecting tower and extreme conductor path maps annually and high consequence path maps every two years.</p> <p>b. Please provide the number of assets/structures (using the same asset/structure definition as WMP table 8.1.3.3, page 465) located in HTFD tier 3.</p> <p>c. Please provide the number of assets/structures (using the same asset/structure definition as WMP table 8.1.3.3, page 465) located in HTFD tier 2.</p>	<p>Low Medium High Severe Extreme Tier 2 238,888 56,685 37,621 4,262 480 Tier 3 134,899 33,724 28,889 2,349 609</p> <p>The quote in the table represent the number of Tier 2 and Tier 3 structures in past maps of each consequence rank, as of December 26, 2022. It does not represent the number of structures of each consequence rank. As described in Section 8.1, PG&E designed past maps as systems, severe, high, medium, or low based on the average wildfire consequences of the structures and the map. Also, please note that tower (TD) and tower (L) are not critical risk, but were included in the WMP table 8.1.3.3. The inspection plan is based on past maps and some other non-critical structures (e.g., towers) that are not critical risk.</p>	Delecia Smith	8/16/2023	8/23/2023	8/23/2023	0	NA	8.1.3.2.1	Asset Inspections	Detailed Ground Inspection
423	OEBIS	011	OEBIS_011	2	OEBIS_011_02	<p>Regarding PG&E's Grid Design and Maintenance Quality Control</p> <p>a. In its Revision Notice Response, PG&E states that it is "working to integrate QC with [its] execution processes. This approach will create real-time learnings to correct and guide workers..." and that minimum sample sizes and asset size ranges" would hinder PG&E's flexibility. (Page 35)</p> <p>1. Describe the approach, including the similarities and differences from the current and previous approach to QC. 2. Provide the timeline for integrating this approach. 3. Provide the estimated sample size for this approach. These sample sizes may differ from previous physical audits. 4. Describe the sample size for QC (i.e., the criteria for when and where PG&E performs QC). 5. Describe any performance metrics PG&E has developed related to the approach and any targets for performance for 2023-2025. 6. Explain why PG&E can provide year-to-date pass rate results for its QC program (Table RN-PG&E-23-02-1) but not pass rate targets for the 2023-2025 WMP cycle.</p>	<p>1. QC is integrating with execution processes by completing QC on a smaller number than has been historically executed, allowing for limited opportunities for re-training inspectors, sharing learnings, and making corrections, as necessary. By integrating under timelines to review and verify findings, PG&E can work with stakeholders while work has been recently completed, enabling both more timely corrective actions and additional operational efficiencies by bringing the prior inspector back to a failed location before the inspector has departed the area. Additionally, PG&E continues to leverage standard work, early alignment on asset criteria, administrator trainings, and standardized quality data collection and analysis to inform corrective actions. Below is the process that QC follows in 2023: 1. Description completes the scheduled work. 2. Completed work locations enter the queue of QC-eligible locations. 3. QC completes their review of the QC-eligible locations through desktop and/or field reviews. 4. QC shares QC failures with the QC execution team. 5. QC completed locations become eligible for QA sampling. 6. PG&E plans to begin the integrated QC with execution during the second and third quarters of the processes described above for 2023. PG&E is continuing to review and explore opportunities for further integration of the execution and QC processes. 7. PG&E plans to begin the integrated QC Model in 2024. The specific timing of the work will depend on the System Inspection work schedule activities. Historically, the System Inspection teams start the work execution process near the end of Q1 beginning of Q2. 8. PG&E will determine sample sizes for integrated QC utilizing a statistical sampling methodology of the corrected risk-informed calculation each project in HTFD areas. As noted in PG&E's response to CaPA-2023, Question 16, PG&E is currently QC on 10% of all System Inspections following the fully integrated model within HTFD, having external factors. 9. PG&E does not have a target for 2023 because we are looking to implement the process in 2024. We will evaluate establishing performance metrics and/or targets for 2025 once we have had an opportunity to implement the process in 2024.</p>	Delecia Smith	8/16/2023	8/23/2023	8/23/2023	0	NA	8.1.8	Quality Assurance and Quality Control	NA
424	OEBIS	011	OEBIS_011	3	OEBIS_011_03	<p>Regarding PG&E's Vegetation Management Quality Control</p> <p>a. In its Revision Notice Response, PG&E states that it is "working to integrate QC with [its] execution processes. This approach will create real-time learnings to correct and guide workers..." and that minimum sample sizes and asset size ranges" would hinder PG&E's flexibility. (Page 35)</p> <p>1. Describe the approach, including the similarities and differences from the current and previous approach to QC. 2. Provide the timeline for integrating this approach. 3. Provide the estimated sample size for this approach. These sample sizes may differ from previous physical audits. 4. Describe the sample size for QC (i.e., the criteria for when and where PG&E performs QC). 5. Describe any performance metrics PG&E has developed related to the approach and any targets for performance for 2023-2025. 6. Explain why PG&E can provide year-to-date pass rate results for its QC program (Table RN-PG&E-23-02-2) but not pass rate targets for the 2023-2025 WMP cycle.</p>	<p>1. Please see the approach described in response to Request 24(a). We are applying this same approach to our vegetation management QC. 2. PG&E plans to begin the integrated QC Model in Q2 of 2024. 3. PG&E will continue to integrate QC utilizing statistical sampling methodology of the corrected risk-informed execution work product in HTFD areas. 4. Please see the response to Request 24(b) for an explanation of why we do not have performance metrics. We are currently applying the approach to our vegetation management QC program. 5. Please see the response to Request 20(b) for a description of why we can provide year-to-date pass rate results for our QC program but not 2023-2025 WMP cycle. The explanation for our vegetation management QC program is consistent with our asset inspection QC program.</p>	Delecia Smith	8/16/2023	8/23/2023	8/23/2023	0	NA	8.1.6	Quality Assurance and Quality Control	NA

413	CaPA	Sat WMP-26	CaPA_Sat WMP-26	RSRFP	CaPA_Sat WMP-26_OSSUPP	Provide a list of 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	Holly Whitman	7/27/2023	8/4/2023	8/4/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution																		
414	CaPA	Sat WMP-26	CaPA_Sat WMP-26	10SRFP	CaPA_Sat WMP-26_O10SRFP	Provide updated GIS layers of primary distribution, secondary distribution, and transmission lines, with the following information: a) Circuit ID Number b) Peak load in Amperes observed since January 1, 2014. c) Circuit Capacity in Amperes	Holly Whitman	7/27/2023	8/4/2023	8/4/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution																		
445	CPUC - SPD (Safety Policy Decision)	010	CPUC - SPD (Safety Policy Decision)_010	1	CPUC - SPD (Safety Policy Decision)_010_01	Provide the attached spreadsheet with information summarized from Table 11 of PG&E's most recently submitted QAR 01 (2023 submitted Aug 1).	Kevin Miller	8/4/2023	9/1/2023	9/1/2023	1	NA	QDR	NA	NA																		
446	OESB	012	OESB_012	1	OESB_012_01	001 - Regarding PG&E's Response to RNR-PG&E-23-07 a. Considering that there are no facts in O&M or coded Level 2 inspection data, the TRAQ form will not be digitized and the Focus+1 Tree Inspection procedure does not require inspectors to take a photo of completed TRAQ forms. What data and information is PG&E going to use to perform field-based quality control and Level 2 inspections performed under Focus+1 Tree Inspection? b. Describe the quality control process for Focus+1 Tree Inspections. c. How are any paper TRAQ forms generated through Focus+1 Tree Inspections collected and stored by PG&E? d. Do you record these inspections, findings, and incident photos? e. How and where does the inspector document relevant factors that contributed to an inspector's designation of a tree as a risk or not a risk, and any associated information? f. If PG&E does not record this information, justify why it does not record this information. g. In the response to PG&E's question regarding the use of the Areas of Concern through the Focus+1 Tree Inspection, what is PG&E's process for identifying all A12 circuit miles that comprise the Areas of Concern if only data is performed Focus+1 Tree Inspections on 40% of those miles by the end of 2024? h. In PG&E's response to Data Request PRMPM_2024-PG&E-011, Question 2, PG&E describes updates made to its Tree Assessment Tool (TAT) in 2022. i. Was this updated TAT ever operational? j. If it was not ever operational, why not? k. If it was not operational, what steps were taken to ensure it was operational? l. Provide the most recent version of the updated TAT, what that version was not operational. m. In response to PG&E's question regarding the 2022 update of the TAT, including but not limited to documentation of methodologies, significant external reviews, and external reviews. n. In response to PG&E's question regarding the current external data to the Removal Inventory base is 7% of vegetation in the HFTD. Does PG&E's analysis regarding the "percent of vegetation in the HFTD" assume that 100% of the vegetation in the HFTD will be removed? o. If so, justify this assumption. p. If not, what percentage of vegetation risk does PG&E estimate it can mitigate in the HFTD? q. In response to PG&E's question that it expects its updated Distribution Inspection Procedure to achieve improved risk reduction of approximately 2 percent over the legacy Distribution Inspection Procedure. Is this the primary role of the following table? r. Provide the following table: <table border="1"> <tr> <th>Tree Risk Reduction</th> <th>Legacy Distribution Inspection Procedure</th> <th>Updated Distribution Inspection Procedure</th> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> </tr> </table>	Tree Risk Reduction	Legacy Distribution Inspection Procedure	Updated Distribution Inspection Procedure	1	2	3	Debra Smith	8/30/2023	9/27/2023	9/27/2023	4	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections												
Tree Risk Reduction	Legacy Distribution Inspection Procedure	Updated Distribution Inspection Procedure																															
1	2	3																															
447	OESB	012	OESB_012	2	OESB_012_02	002 - Regarding PG&E's Response to RNR-PG&E-23-03 a. In its response to PG&E's question that it does not have detailed mitigation effectiveness analysis at this time, these analyses are being developed based on subject matter expertise while empirical data is being collected. b. Explain what is meant by this statement, particularly given PG&E has provided effectiveness estimates for EPSS in its 2023-2025 EPSS WMP. PG&E states an estimated effectiveness of 68% for EPSS in 2022. Is this still the best effectiveness estimate? If not, why? c. When does PG&E plan on calculating a more updated effectiveness estimate? What factors is PG&E including in the calculation? 003 - Regarding PG&E's Response to RNR-PG&E-23-04 a. Table RNR-PG&E-23-04-1 uses "Applied Backing Units Excavated" and "Applied Backing Units Remaining". Provide these same numbers for each year, broken down by priority (e.g., high, medium, and non-priority risk respectively). b. Since PG&E's analysis of FSRs, provide the following data broken down annually: 1. The number of instances in which PG&E cancelled a work order in response to an FSR. 2. The number of instances in which PG&E created a new work order in place of an existing work order in response to an FSR. 3. The number of instances in which PG&E combined work orders in response to an FSR. 4. Details on how PG&E tracks the above (through) within its databases. PG&E does not currently track such responses, explain why. c. WBE PG&E continue to conduct annual FSRS on all Priority 1 tags? d. Provide all of PG&E's work orders for work orders and resource tracking to handling this backlog. This should include, but not be limited to: 1. Resource tracking, and obtaining work orders and personnel 2. Resource limitations, such as obtaining needed equipment and supply chain issues, and how PG&E intends on handling them. 3. Tasks to be performed working on backlog, including details on how to identify, prioritize, and respond to requests. 4. How is PG&E tracking and prioritizing open risk tags that are Priority E or F? 004 - Regarding PG&E's Response to RNR-PG&E-23-05 a. Provide the following table: <table border="1"> <tr> <th>Circuit Name</th> <th>Circuit segment/CRP Name</th> <th>Length of circuit segment</th> <th>VZ Risk Score</th> <th>VZ Risk Ranking</th> <th>VZ Risk Score (if available)</th> <th>VZ Risk Ranking (if available)</th> <th>WFE Rating</th> <th>Feasibility Score</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> b. Reason for why the circuit segment is not included in undergrounding plan c. Other mitigation options being used for the circuit segment currently d. Other mitigation options being considered for the circuit segment in the future, (if such differs from b))	Circuit Name	Circuit segment/CRP Name	Length of circuit segment	VZ Risk Score	VZ Risk Ranking	VZ Risk Score (if available)	VZ Risk Ranking (if available)	WFE Rating	Feasibility Score										Debra Smith	8/30/2023	9/27/2023	9/27/2023	0	NA	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags
Circuit Name	Circuit segment/CRP Name	Length of circuit segment	VZ Risk Score	VZ Risk Ranking	VZ Risk Score (if available)	VZ Risk Ranking (if available)	WFE Rating	Feasibility Score																									
448	OESB	012	OESB_012	3	OESB_012_03	001 - Regarding PG&E's Response to RNR-PG&E-23-04 a. Table RNR-PG&E-23-04-1 uses "Applied Backing Units Excavated" and "Applied Backing Units Remaining". Provide these same numbers for each year, broken down by priority (e.g., high, medium, and non-priority risk respectively). b. Since PG&E's analysis of FSRs, provide the following data broken down annually: 1. The number of instances in which PG&E cancelled a work order in response to an FSR. 2. The number of instances in which PG&E created a new work order in place of an existing work order in response to an FSR. 3. The number of instances in which PG&E combined work orders in response to an FSR. 4. Details on how PG&E tracks the above (through) within its databases. PG&E does not currently track such responses, explain why. c. WBE PG&E continue to conduct annual FSRS on all Priority 1 tags? d. Provide all of PG&E's work orders for work orders and resource tracking to handling this backlog. This should include, but not be limited to: 1. Resource tracking, and obtaining work orders and personnel 2. Resource limitations, such as obtaining needed equipment and supply chain issues, and how PG&E intends on handling them. 3. Tasks to be performed working on backlog, including details on how to identify, prioritize, and respond to requests. 4. How is PG&E tracking and prioritizing open risk tags that are Priority E or F? 002 - Regarding PG&E's Response to RNR-PG&E-23-05 a. Provide the following table: <table border="1"> <tr> <th>Circuit Name</th> <th>Circuit segment/CRP Name</th> <th>Length of circuit segment</th> <th>VZ Risk Score</th> <th>VZ Risk Ranking</th> <th>VZ Risk Score (if available)</th> <th>VZ Risk Ranking (if available)</th> <th>WFE Rating</th> <th>Feasibility Score</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> b. Reason for why the circuit segment is not included in undergrounding plan c. Other mitigation options being used for the circuit segment currently d. Other mitigation options being considered for the circuit segment in the future, (if such differs from b))	Circuit Name	Circuit segment/CRP Name	Length of circuit segment	VZ Risk Score	VZ Risk Ranking	VZ Risk Score (if available)	VZ Risk Ranking (if available)	WFE Rating	Feasibility Score										Debra Smith	8/30/2023	9/27/2023	9/27/2023	0	NA	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags
Circuit Name	Circuit segment/CRP Name	Length of circuit segment	VZ Risk Score	VZ Risk Ranking	VZ Risk Score (if available)	VZ Risk Ranking (if available)	WFE Rating	Feasibility Score																									
449	OESB	012	OESB_012	4	OESB_012_04	001 - Regarding PG&E's Response to RNR-PG&E-23-04 a. Table RNR-PG&E-23-04-1 uses "Applied Backing Units Excavated" and "Applied Backing Units Remaining". Provide these same numbers for each year, broken down by priority (e.g., high, medium, and non-priority risk respectively). b. Since PG&E's analysis of FSRs, provide the following data broken down annually: 1. The number of instances in which PG&E cancelled a work order in response to an FSR. 2. The number of instances in which PG&E created a new work order in place of an existing work order in response to an FSR. 3. The number of instances in which PG&E combined work orders in response to an FSR. 4. Details on how PG&E tracks the above (through) within its databases. PG&E does not currently track such responses, explain why. c. WBE PG&E continue to conduct annual FSRS on all Priority 1 tags? d. Provide all of PG&E's work orders for work orders and resource tracking to handling this backlog. This should include, but not be limited to: 1. Resource tracking, and obtaining work orders and personnel 2. Resource limitations, such as obtaining needed equipment and supply chain issues, and how PG&E intends on handling them. 3. Tasks to be performed working on backlog, including details on how to identify, prioritize, and respond to requests. 4. How is PG&E tracking and prioritizing open risk tags that are Priority E or F? 002 - Regarding PG&E's Response to RNR-PG&E-23-05 a. Provide the following table: <table border="1"> <tr> <th>Circuit Name</th> <th>Circuit segment/CRP Name</th> <th>Length of circuit segment</th> <th>VZ Risk Score</th> <th>VZ Risk Ranking</th> <th>VZ Risk Score (if available)</th> <th>VZ Risk Ranking (if available)</th> <th>WFE Rating</th> <th>Feasibility Score</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> b. Reason for why the circuit segment is not included in undergrounding plan c. Other mitigation options being used for the circuit segment currently d. Other mitigation options being considered for the circuit segment in the future, (if such differs from b))	Circuit Name	Circuit segment/CRP Name	Length of circuit segment	VZ Risk Score	VZ Risk Ranking	VZ Risk Score (if available)	VZ Risk Ranking (if available)	WFE Rating	Feasibility Score										Debra Smith	8/30/2023	9/27/2023	9/27/2023	1	NA	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
Circuit Name	Circuit segment/CRP Name	Length of circuit segment	VZ Risk Score	VZ Risk Ranking	VZ Risk Score (if available)	VZ Risk Ranking (if available)	WFE Rating	Feasibility Score																									
450	CaPA	Sat WMP-29	CaPA_Sat WMP-29	1	CaPA_Sat WMP-29_01	Page 35 of PG&E's response states, "PG&E is currently working to integrate OC with our execution processes to drive quality during initial work execution." Provide the approximate date when PG&E plans to implement Integrated OC process, described above. Provide any other reports, presentations, reports, or other documentation that describes PG&E's proposed Integrated OC process. How does PG&E ensure that its procedures, standards, checklists, or job aids that personnel will use when implementing PG&E's proposed Integrated OC process?	Holly Whitman	9/1/2023	9/27/2023	9/27/2023	0	NA	8.1.6	Quality Assurance and Quality Control	NA																		

474	CaPA	Sat WMP-31	CaPA_Sat WMP-31	2	CaPA_Sat WMP-31_02	<p>The following questions pertain to PG&E's 2023 - 2025 WMP Revision 3, submitted on September 27, 2023.</p> <p>Section 8.1.7 - Open Work Orders</p> <p>On page 530 of your 2023 - 2025 WMP R3, PG&E provided a table (Table 8-6-1) showing the total number of past due transmission asset work orders by age and HFTD tier. Please provide a similar table for past due distribution asset work orders by age and HFTD tier, as of September 30, 2023.</p> <p>Number of Past Due Distribution Asset Work Orders Categorized by Age</p> <p>Through September 30, 2023</p> <p>HFTD Area</p> <p>0 - 30 Days</p> <p>31 - 60 Days</p> <p>61 - 90 Days</p> <p>>91 Days</p> <p>Non - HFTD</p> <p>HFTD Tier 1</p> <p>HFTD Tier 2</p>	<p>Please see the table below for the requested information.</p> <p>Number of Past Due Distribution Asset Work Orders Categorized by Age</p> <p>Through September 30, 2023</p> <p>HFTD Area 0 - 30 Days 1 - 60 Days 61 - 90 Days 91+ Days</p> <p>Non-HFTD 16,424 18,327 41,267 228,645</p> <p>HFTD Tier 1 1,353 10,817 25,156 68,261</p> <p>HFTD Tier 2 2,229 293,847 90,997</p>	Holly Whitman	10/1/2023	10/26/2023	10/26/2023	0	N/A	8.1.7	Open Work Orders	N/A
475	CaPA	Sat WMP-31	CaPA_Sat WMP-31	3	CaPA_Sat WMP-31_03	<p>The following questions pertain to PG&E's 2023 - 2025 WMP Revision 3, submitted on September 27, 2023.</p> <p>Section 8.1.7 - Open Work Orders</p> <p>On page 557 of your 2023 - 2025 WMP R3, PG&E asked with regard to distribution asset work orders, "PG&E is unable to provide the number of past due asset work orders, categorized by age, in the HFTD from Q1 2022 through Q3 2022."</p> <p>Please list the reasons why PG&E was unable to provide the number of past due asset work orders, categorized by age, in the HFTD, as stated above.</p> <p>Please list any steps PG&E has taken to improve its ability to provide the number of past due asset work orders, categorized by age, in the HFTD.</p>	<p>At the time of filing the 2023 - 2025 WMP, PG&E did not have the capability to submit the data as the primary requested. Therefore, PG&E was unable to provide the number of past due asset work orders unit, therefore, updated the Quarterly Data Report, Table 2, metric 1, as a proxy to generate the number of past due asset work orders.</p> <p>Through 2023, PG&E has improved its field retention capabilities and is now able to provide this data at the requested granularity. This capability has improved by employing additional data analytics and creating automated reporting capabilities. This semi-automated process will now allow us to pull data more readily and at the granularity desired.</p>	Holly Whitman	10/1/2023	10/26/2023	10/26/2023	0	N/A	8.1.7	Open Work Orders	N/A
476	CaPA	Sat WMP-31	CaPA_Sat WMP-31	4	CaPA_Sat WMP-31_04	<p>The following questions pertain to PG&E's 2023 - 2025 WMP Revision 3, submitted on September 27, 2023.</p> <p>Section 8.1.7 - Open Work Orders</p> <p>Section 8.1.7.2 - Open Work Orders - Distribution Tags in PG&E's 2023 - 2025 WMP R3 discusses a subset of open work orders referred to as "spillover" tags. Please provide a table similar to Table 8-6-1 for all past due, spillover-risk, distribution asset work orders by age and HFTD tier, as of September 30, 2023.</p> <p>Number of Spillover Risk Past Due Distribution Asset Work Orders Categorized by Age</p> <p>Through September 30, 2023</p> <p>HFTD Area</p> <p>0 - 30 Days</p> <p>31 - 60 Days</p> <p>61 - 90 Days</p> <p>>91 Days</p> <p>Non - HFTD</p> <p>HFTD Tier 1</p> <p>HFTD Tier 2</p>	<p>Please see the table below for the requested information.</p> <p>Number of Spillover Risk Past Due Distribution Asset Work Orders Categorized by Age</p> <p>Through September 30, 2023</p> <p>HFTD Area 0 - 30 Days 31 - 60 Days 61 - 90 Days 91+ Days</p> <p>Non-HFTD 11,012 205,544 2,077</p> <p>HFTD Tier 1 1,191 1,462 23,625 68,512</p> <p>HFTD Tier 2 140 193 753 55,157</p>	Holly Whitman	10/1/2023	10/26/2023	10/26/2023	0	N/A	8.1.7	Open Work Orders	N/A
477	CPUC - SPD (Safety Policy Division)	011	CPUC - SPD (Safety Policy Division)_011	1	CPUC - SPD (Safety Policy Division)_011_01	<p>Provide calculations that justify Table RN-PG&E-23-05.3. Explain specifically how Risk Assistance over Lifetime Supplemental Response Notice Responses.</p>	<p>In Critical Issue RN-PG&E-23-05, PG&E explained that in response to the Commission's decision in the Risk-Based Decision-Making Framework Case (RBDMP 1) we are in the process of conducting a benefit-cost model. The model will incorporate benefit elements of the mitigation selection decision-making process in an analytical model. PG&E asks the Wildlife Benefit Cost Analysis (WBCA) tool to RN-PG&E-23-05. PG&E provided an example of the output from the WBCA model for two mitigation alternatives of two circuit segments (Table RN-PG&E-23-05.3). PG&E requested an Energy Safety Code (ESCC) rating for more information about the WBCA. In that response, PG&E explained that the WBCA had not been fully developed, approved, or implemented within PG&E.</p> <p>We also explained that the worksheet submitted in the 2023-2025 WMP is based on PG&E's Wildlife Distribution Risk Model (WDRM) and one of the 2023-2025 projects included in the WMP worksheet were selected using the WBCA. The WBCA is being developed to support PG&E's 10-year ESCC 864 underwriting plan and we anticipate finalizing the WBCA for that submission in 2024. We understand eventually using the WBCA to inform project selection for PG&E's long-term underwriting plan and future WMPs.</p> <p>Because the WBCA is still in development, PG&E is not in position to respond to either of the questions in this data request.</p>	Henry Swast	10/1/2023	10/17/2023	10/17/2023	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
478	CPUC - SPD (Safety Policy Division)	011	CPUC - SPD (Safety Policy Division)_011	2	CPUC - SPD (Safety Policy Division)_011_02	<p>Provide a numerical justification that shows the risk from (poles or other assets) for EPSS compares to benefits of EPSS (base, wildfire, other)? SPD would prefer the analysis performed using cost-benefit data (similar to that provided in Table 23-05.3).</p>	<p>Please see PG&E's response to Question 1 of this data request.</p>	Henry Swast	10/1/2023	10/17/2023	10/17/2023	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment - Distribution
479	CaPA	Sat WMP-32	CaPA_Sat WMP-32	1	CaPA_Sat WMP-32_01	<p>Provide the following data for the years 2020, 2021, 2022, and 2023:</p> <p>Number of miles of underground distribution that PG&E installed as part of overhead-to-undergrounding conversion projects for the purposes of wildfire risk reduction.</p> <p>Number of miles of overhead distribution that PG&E removed as part of the same projects in each year.</p>	<p>Please provide the following data for the years 2020, 2021, 2022, and 2023:</p> <p>Number of miles of underground distribution that PG&E installed as part of overhead-to-undergrounding conversion projects for the purposes of wildfire risk reduction.</p> <p>Number of miles of overhead distribution that PG&E removed as part of the same projects in each year.</p>	Holly Whitman	10/1/2023	11/4/2023				7.2.1	Wildfire Mitigation Strategy Development	Projected Overall Risk Reduction
480	CaPA	Sat WMP-32	CaPA_Sat WMP-32	2	CaPA_Sat WMP-32_02	<p>Provide the following data for the years 2020, 2021, 2022, and 2023:</p> <p>Number of miles of overhead distribution that PG&E removed as part of the same projects in each year.</p>	<p>Please provide the same information as requested in Question 1 for undergrounding projects that fall into each of the following categories:</p> <p>(i) Pole to undergrounding.</p> <p>(ii) Pole to pole undergrounding.</p> <p>(iii) Other undergrounding not included in Question 1 or parts a and b of this question.</p>	Holly Whitman	10/1/2023	11/4/2023				8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
481	CaPA	Sat WMP-32	CaPA_Sat WMP-32	3	CaPA_Sat WMP-32_03	<p>Provide copies of all current, side-source contracts PG&E has associated with other utilities with regard to any of the following:</p> <p>(i) Supplies of materials related to distribution undergrounding projects.</p> <p>(ii) Services that perform labor related to distribution undergrounding projects.</p> <p>(iii) Other utilities who provide poles or services to PG&E in relation to distribution undergrounding contracts.</p>	<p>Please provide copies of all current, side-source contracts PG&E has associated with other utilities with regard to any of the following:</p> <p>(i) Supplies of materials related to distribution undergrounding projects.</p> <p>(ii) Services that perform labor related to distribution undergrounding projects.</p> <p>(iii) Other utilities who provide poles or services to PG&E in relation to distribution undergrounding contracts.</p>	Holly Whitman	10/1/2023	11/4/2023				8.1.2	Grid Design, Operations, and Maintenance	Grid Design and System Hardening
482	CaPA	Sat WMP-32	CaPA_Sat WMP-32	4	CaPA_Sat WMP-32_04	<p>Describe all vegetation management activities that PG&E typically performs around the following line types, in your response to parts (b) through (d), please describe if and in what ways, PG&E's vegetation management activities for that category meaningful either compared to your response to part (a).</p> <p>Overground distribution mains located in HFTD/HFRA.</p> <p>Overground distribution secondaries located in HFTD/HFRA.</p> <p>Overground distribution services located in HFTD/HFRA.</p> <p>Wooded areas for underground distribution located in HFTD/HFRA.</p>	<p>Describe all vegetation management activities that PG&E typically performs around the following line types, in your response to parts (b) through (d), please describe if and in what ways, PG&E's vegetation management activities for that category meaningful either compared to your response to part (a).</p> <p>Overground distribution mains located in HFTD/HFRA.</p> <p>Overground distribution secondaries located in HFTD/HFRA.</p> <p>Overground distribution services located in HFTD/HFRA.</p> <p>Wooded areas for underground distribution located in HFTD/HFRA.</p>	Holly Whitman	10/1/2023	11/4/2023				8.2	Vegetation Management and Inspections	N/A
483	CaPA	Sat WMP-32	CaPA_Sat WMP-32	5	CaPA_Sat WMP-32_05	<p>Provide the following data for the years 2020, 2021, 2022, and 2023:</p> <p>Number of miles of overhead distribution that PG&E installed as part of overhead-to-undergrounding conversion projects for the purposes of wildfire risk reduction.</p> <p>Number of miles of overhead distribution that PG&E removed as part of the same projects in each year.</p>	<p>Please estimate the typical annual cost per mile of vegetation management activities that PG&E performs around the following line types:</p> <p>Overground distribution mains located in HFTD/HFRA.</p> <p>Overground distribution secondaries located in HFTD/HFRA.</p> <p>Overground distribution services located in HFTD/HFRA.</p> <p>Wooded areas for underground distribution located in HFTD/HFRA.</p>	Holly Whitman	10/1/2023	11/4/2023				8.2	Vegetation Management and Inspections	N/A
484	CaPA	Sat WMP-32	CaPA_Sat WMP-32	6	CaPA_Sat WMP-32_06	<p>Provide the following data for the years 2020, 2021, 2022, and 2023:</p> <p>Number of miles of overhead distribution that PG&E installed as part of overhead-to-undergrounding conversion projects for the purposes of wildfire risk reduction.</p> <p>Number of miles of overhead distribution that PG&E removed as part of the same projects in each year.</p>	<p>Does PG&E have a threshold safety factor (or other result from a pole loading calculation) at which it will replace poles in a project?</p> <p>If the answer to part (a) is yes, please describe PG&E's thresholds.</p> <p>If the answer to part (a) is no, please explain how PG&E determines which poles to replace in a project.</p>	Holly Whitman	10/1/2023	11/4/2023				7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
485	CaPA	Sat WMP-32	CaPA_Sat WMP-32	7	CaPA_Sat WMP-32_07	<p>Provide the results of all pole loading calculations performed as part of all bare-to-covered conductor replacement projects in 2022 and 2023 (as of October 1, 2023). The annual contains the following at minimum:</p> <p>(i) Pole IDs.</p> <p>(ii) Estimated safety factor before conductor replacement (bare conductor).</p> <p>(iii) Estimated safety factor after conductor replacement (covered conductor).</p> <p>(iv) Determination of whether the pole needed replacement based on safety factor.</p>	<p>Provide the results of all pole loading calculations performed as part of all bare-to-covered conductor replacement projects in 2022 and 2023 (as of October 1, 2023). The annual contains the following at minimum:</p> <p>(i) Pole IDs.</p> <p>(ii) Estimated safety factor before conductor replacement (bare conductor).</p> <p>(iii) Estimated safety factor after conductor replacement (covered conductor).</p> <p>(iv) Determination of whether the pole needed replacement based on safety factor.</p>	Holly Whitman	10/1/2023	11/4/2023				7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
486	CaPA	Sat WMP-32	CaPA_Sat WMP-32	8	CaPA_Sat WMP-32_08	<p>Whether the pole was actually replaced.</p>	<p>Whether the pole was actually replaced.</p>	Holly Whitman	10/1/2023	11/4/2023				7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy