

Count	Party Name	Data Set	Date Request	Question No.	Question ID	Response	Requester	Date Rec'd	Final Due Date	Date Sent	Links	Number of Attachments	ADA Requested	2023 WMP Section	Category	Subcategory
1	CAfPA	Set WMP-07	CAfPA_Set WMP-07	1	CAfPA_Set WMP-07_01	In the review of PG&E's WORM (d) by Energy & Environmental Economics, Inc. ("E3 Review"), the authors note: "There were also several references to PG&E asset data, most current to 2022-01-01, and inclusion of updated (previously received) meteorology datasets. 1) Please confirm that no asset data collected after January 1, 2022 was used in PG&E's WORM (d). 2) If asset data collected after January 1, 2022 was used in PG&E's WORM (d), please specify the dates on which any such data were collected. 3) Please confirm that "asset data" (in part a) is geospatial (GIS) data from the operational systems of record. 4) Please explain the source of the real-time data." PG&E's WORM (d) was finalized on 01/13/2022. If the real-time data was not used, please provide a current list of components that are used as inputs to the E3 review, please provide an updated and accessible list of components that are used as inputs to the E3 review, please provide the most recent data for any asset data used in the model, and an update on which the real-time data was collected. 5) Please confirm that "asset data" (in part a) is geospatial (GIS) data from the operational systems of record. If not, please state the origin(s) of the asset data.	Joshua Borowski	3/27/2023	3/30/2023	3/30/2023	<p>a) All distribution asset data utilized in the Wildfire Distribution Risk Model (WDRM) (d) was extracted from PG&amp;E's EODS 2022 on January 1, 2022, with the exception of the transformer data which was extracted from EODS on February 2, 2022.</p> <p>b) See answer to part a.</p> <p>c) See answer to part a.</p>	0	NA	6.2	Risk Methodology and Assessment	Risk Analysis Framework
2	CAfPA	Set WMP-07	CAfPA_Set WMP-07	2	CAfPA_Set WMP-07_02	Page 15 of the E3 Review includes a table of components included in the WORM (d). 4) Please confirm the date that the WORM (d) was finalized. 5) If the real-time data was not used, please provide a current list of components that are used as inputs to the E3 review, please provide an updated and accessible list of components that are used as inputs to the E3 review, please provide the most recent data for any asset data used in the model, and an update on which the real-time data was collected. 6) Please confirm that "asset data" (in part a) is geospatial (GIS) data from the operational systems of record. If not, please state the origin(s) of the asset data.	Joshua Borowski	3/27/2023	3/30/2023	3/30/2023	<p>a) The Wildfire Distribution Risk Model (WDRM) (d) was finalized by approval of the Wildfire Risk Governance Steering Committee (WRGSC) on April 13, 2022.</p> <p>b) The E3 Review includes a table of components included in the WORM (d) as presented in the following table. Figures 5 Sub-model Positive Performance Measures on page 21 of the E3 Review document. The updated list of components that are used as inputs to the E3 review is provided in response to 2b.</p> <p>c) Not applicable, please see response to 2b.</p>	0	NA	6.2	Risk Methodology and Assessment	Risk Analysis Framework
3	CAfPA	Set WMP-07	CAfPA_Set WMP-07	3	CAfPA_Set WMP-07_03	a) Please confirm the date that the WDRM (d) was finalized. If it has not been finalized, please provide an explanation as to why it has not been finalized. b) Please provide a current list of components that are used as inputs to the E3 review, please provide an updated and accessible list of components that are used as inputs to the E3 review, please provide the most recent data for any asset data used in the model, and an update on which the real-time data was collected. c) Please confirm that "asset data" (in part a) is geospatial (GIS) data from the operational systems of record. If not, please state the origin(s) of the asset data.	Joshua Borowski	3/27/2023	3/30/2023	3/30/2023	<p>a) The Wildfire Distribution Risk Model (WDRM) (d) has not been finalized. Model review and approval is scheduled for Q2 2023.</p> <p>b) The list of equipment components in the WDRM (d) was not finalized at this time.</p> <p>c) The asset data for the WDRM (d) was extracted from PG&amp;E's EODS on January 1, 2022.</p> <p>d) Please see the response to 3c.</p>	0	NA	6.2	Risk Methodology and Assessment	Risk Analysis Framework
4	MGRA	Data Request No. 1	MGRA_Data Request No. 1	1	MGRA_Data Request No. 1_01	Please provide for Asset Point data for Camera, Fuse, Support Structure, and Weather Station.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	<p>In response to this request, PG&amp;E is providing Camera and Weather Station data, as delineated in the Q4 2022 O&amp;S GIS Data Standard Submission. PG&amp;E is also providing non-confidential data from the Support Structure feature class. PG&amp;E is not providing data for the Fuse feature class as the data is confidential critical energy infrastructure information (CEII).</p>	1	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
4	MGRA	Data Request No. 1	MGRA_Data Request No. 1	1(a)	MGRA_Data Request No. 1_01(a)	Please provide for Asset Point data for Camera, Fuse, Support Structure, and Weather Station.	Joseph Michal	3/29/2023	4/10/2023	4/10/2023	<p>In response to this request, PG&amp;E is providing Camera and Weather Station data, as delineated in the Q4 2022 O&amp;S GIS Data Standard Submission. PG&amp;E is also providing non-confidential data from the Support Structure feature class. PG&amp;E is not providing data for the Fuse feature class as the data is confidential critical energy infrastructure information (CEII).</p>	4	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
5	MGRA	Data Request No. 1	MGRA_Data Request No. 1	2	MGRA_Data Request No. 1_02	Please Asset Line data for Transmission Line (as permitted as non-confidential), Primary Distribution Line, and Secondary Distribution Line.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	<p>In response to this request, PG&amp;E is providing non-confidential data for the Primary and Secondary Distribution Line Feature Classes. PG&amp;E is not providing the Transmission Line feature class because it is confidential CEII.</p>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
5	MGRA	Data Request No. 1	MGRA_Data Request No. 1	2(a)	MGRA_Data Request No. 1_02(a)	Please Asset Line data for Transmission Line (as permitted as non-confidential), Primary Distribution Line, and Secondary Distribution Line.	Joseph Michal	3/29/2023	4/10/2023	4/10/2023	<p>In response to this request, PG&amp;E is providing non-confidential data for the Primary and Secondary Distribution Line Feature Classes. PG&amp;E is not providing the Transmission Line feature class because it is confidential CEII.</p>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
6	MGRA	Data Request No. 1	MGRA_Data Request No. 1	3	MGRA_Data Request No. 1_03	Please P&S Event data, include Event Log, Event Line, Event Polygon data. Please exclude customer meter data. Provide P&S Event Asset Damage data including photos.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	<p>In response to this request, PG&amp;E is unable to provide P&amp;S Event data, P&amp;S Event Damages data, and P&amp;S Damage photos since these were P&amp;S E-Events that took place throughout 2022.</p>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
6	MGRA	Data Request No. 1	MGRA_Data Request No. 1	3(a)	MGRA_Data Request No. 1_03(a)	Please P&S Event data, include Event Log, Event Line, Event Polygon data. Please exclude customer meter data. Provide P&S Event Asset Damage data including photos.	Joseph Michal	3/29/2023	4/10/2023	4/10/2023	<p>In response to this request, PG&amp;E is unable to provide P&amp;S Event data, P&amp;S Event Damages data, and P&amp;S Damage photos since these were P&amp;S E-Events that took place throughout 2022.</p>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
7	MGRA	Data Request No. 1	MGRA_Data Request No. 1	4	MGRA_Data Request No. 1_04	Please Risk Event Point data, including Wire Down, Ignition, Transmission Upgraded Outage, Distribution Upgraded Outage, Distribution Vegetation Caused Upgraded Outage, Risk Event Asset Log related tables.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	<p>In response to this request, PG&amp;E is providing non-confidential data for the Wire Down, Ignition, Transmission Upgraded Outage, Distribution Upgraded Outage, Distribution Vegetation Caused Upgraded Outage, and Risk Event Asset Log related tables.</p>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
7	MGRA	Data Request No. 1	MGRA_Data Request No. 1	4(a)	MGRA_Data Request No. 1_04(a)	Please Risk Event Point data, including Wire Down, Ignition, Transmission Upgraded Outage, Distribution Upgraded Outage, Distribution Vegetation Caused Upgraded Outage, Risk Event Asset Log related tables.	Joseph Michal	3/29/2023	4/10/2023	4/10/2023	<p>In response to this request, PG&amp;E is providing non-confidential data for the Wire Down, Ignition, Transmission Upgraded Outage, Distribution Upgraded Outage, Distribution Vegetation Caused Upgraded Outage, and Risk Event Asset Log related tables.</p>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
8	MGRA	Data Request No. 1	MGRA_Data Request No. 1	5	MGRA_Data Request No. 1_05	Please photo data for Risk Events.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	<p>PG&amp;E does not have any non-confidential or non-privileged data to provide in response to this request. The photos provided in this feature class may be subject to attorney client privilege or the work product doctrine and may be subject to an ongoing litigation. Additionally, PG&amp;E risk event photos are confidential CEII because they reveal physical facility and critical infrastructure locations. PG&amp;E does not have any non-confidential or non-privileged data to provide in response to this request. The photos provided in this feature class may be subject to attorney client privilege or the work product doctrine and may be subject to an ongoing litigation. Additionally, PG&amp;E risk event photos are confidential CEII because they reveal physical facility and critical infrastructure locations.</p>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
8	MGRA	Data Request No. 1	MGRA_Data Request No. 1	5(a)	MGRA_Data Request No. 1_05(a)	Please photo data for Risk Events.	Joseph Michal	3/29/2023	4/10/2023	4/10/2023	<p>PG&amp;E does not have any non-confidential or non-privileged data to provide in response to this request. The photos provided in this feature class may be subject to attorney client privilege or the work product doctrine and may be subject to an ongoing litigation. Additionally, PG&amp;E risk event photos are confidential CEII because they reveal physical facility and critical infrastructure locations.</p>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
9	MGRA	Data Request No. 1	MGRA_Data Request No. 1	6	MGRA_Data Request No. 1_06	Under Initiatives, please provide Grid Handing data, including Handing Log, Handing Point, and Handing Line data. Inspection data is not requested in this item.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	<p>In response to this request, PG&amp;E is providing non-confidential data for the System Handing, Bute County Rebuild, and Grid Handing Point related tables. PG&amp;E is also providing non-confidential data for the Handing Log, Grid Handing Point, and Grid Handing Line feature classes and related tables. Additional initiative projects reported in these feature classes includes data on when PG&amp;E has implemented, or plans to implement, or SCADA enabled work has been performed, and when future work is planned to take place. These items are confidential CEII because they reveal physical facility and critical infrastructure locations. An update has been removed from the response.</p>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
9	MGRA	Data Request No. 1	MGRA_Data Request No. 1	6(a)	MGRA_Data Request No. 1_06(a)	Under Initiatives, please provide Grid Handing data, including Handing Log, Handing Point, and Handing Line data. Inspection data is not requested in this item.	Joseph Michal	3/29/2023	4/10/2023	4/10/2023	<p>In response to this request, PG&amp;E is providing non-confidential data for the System Handing, Bute County Rebuild, and Grid Handing Point related tables. PG&amp;E is also providing non-confidential data for the Handing Log, Grid Handing Point, and Grid Handing Line feature classes and related tables. Additional initiative projects reported in these feature classes includes data on when PG&amp;E has implemented, or plans to implement, or SCADA enabled work has been performed, and when future work is planned to take place. These items are confidential CEII because they reveal physical facility and critical infrastructure locations. An update has been removed from the response.</p>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
10	MGRA	Data Request No. 1	MGRA_Data Request No. 1	7	MGRA_Data Request No. 1_07	Under Initiatives, please provide Other Initiative data for point, line, polygon features and the Other Initiative Log.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	<p>In response to this request, PG&amp;E is providing WMP initiative program data for the Weather Station Installation and Optimization and Camera Installation that were included in the Other Initiative Log and Other Initiative Point related table and feature class. Additional WMP initiative programs reported in this feature class and related tables include data on when PG&amp;E Line Sensor Installation, Distribution Fault Anticipation, EP&amp;S Reliability Improvements and Early Fault Detection Sensors work has been performed, and when future work is planned to take place. These items are confidential CEII because they reveal physical facility and critical infrastructure locations.</p>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
10	MGRA	Data Request No. 1	MGRA_Data Request No. 1	7(a)	MGRA_Data Request No. 1_07(a)	Under Initiatives, please provide Other Initiative data for point, line, polygon features and the Other Initiative Log.	Joseph Michal	3/29/2023	4/10/2023	4/10/2023	<p>In response to this request, PG&amp;E is providing WMP initiative program data for the Weather Station Installation and Optimization and Camera Installation that were included in the Other Initiative Log and Other Initiative Point related table and feature class. Additional WMP initiative programs reported in this feature class and related tables include data on when PG&amp;E Line Sensor Installation, Distribution Fault Anticipation, EP&amp;S Reliability Improvements and Early Fault Detection Sensors work has been performed, and when future work is planned to take place. These items are confidential CEII because they reveal physical facility and critical infrastructure locations.</p>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
11	MGRA	Data Request No. 1	MGRA_Data Request No. 1	8	MGRA_Data Request No. 1_08	Under Other Required Data, please provide Red Flag Warning Day polygon data.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	<p>PG&amp;E is providing the Red Flag Warning Day polygon data, as requested by MGRA.</p>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
11	MGRA	Data Request No. 1	MGRA_Data Request No. 1	8(a)	MGRA_Data Request No. 1_08(a)	Under Other Required Data, please provide Red Flag Warning Day polygon data.	Joseph Michal	3/29/2023	4/10/2023	4/10/2023	<p>PG&amp;E is providing the Red Flag Warning Day polygon data, as requested by MGRA.</p>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
12	MGRA	Data Request No. 1	MGRA_Data Request No. 1	9	MGRA_Data Request No. 1_09	Please provide a larger indicating calculated critical-risk using the methodology presented in the WMP. If independent probability and consequence layers exist, please provide these independently as well.	Joseph Michal	3/29/2023	4/10/2023	4/7/2023	<p>The method described in the 2023 WMP to aggregate model results is conducted to produce a critical segment level risk value but it is not used to produce a critical level risk value. However, the geographical representation of critical segments that would be provided in response to this data request involves the identification of CEII, which we are required by law to maintain as confidential and cannot provide without the requesting party agreeing to protect the information through a non-disclosure agreement.</p>	0	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
12	MGRA	Data Request No. 1	MGRA_Data Request No. 1	9(a)	MGRA_Data Request No. 1_09(a)	Please provide a larger indicating calculated critical-risk using the methodology presented in the WMP. If independent probability and consequence layers exist, please provide these independently as well.	Joseph Michal	3/29/2023	4/10/2023	4/10/2023	<p>The method described in the 2023 WMP to aggregate model results is conducted to produce a critical segment level risk value but it is not used to produce a critical level risk value. However, the geographical representation of critical segments that would be provided in response to this data request involves the identification of CEII, which we are required by law to maintain as confidential and cannot provide without the requesting party agreeing to protect the information through a non-disclosure agreement.</p>	1	NA	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
13	CAfPA	Set WMP-08	CAfPA_Set WMP-08	1	CAfPA_Set WMP-08_01	PG&E's WMP: The EVM Program concluded at the end of 2022. PG&E will continue to strengthen our other existing WMP programs. PG&E is implementing the maintenance of enhanced clearances that were achieved in EVM to Routine WMP assets. The established routine maintenance requirements for electric distribution circuits where EVM scope initiatives have been performed in HFTD designated areas and passed to work verification. a) Please describe how PG&E intends to strengthen its other existing WMP programs as stated above. b) Does PG&E intend to achieve enhanced clearances in areas where they have not already been achieved through EVM, or is PG&E only intending to maintain existing enhanced clearances? c) If PG&E will pursue the achievement of enhanced clearances in new locations, please provide PG&E's strategy and methodology for the following: i) Identifying which circuits and/or locations need enhanced clearances. ii) Identifying which trees to be pruned in given project location. iii) Prioritizing the overall clearing objectives. iv) Setting the schedule and sequence of enhanced clearance projects. v) How PG&E only intends to maintain existing enhanced clearances. Please explain why.	Holly Workman	3/30/2023	4/30/2023	4/30/2023	<p>a) PG&amp;E is extending the minimum clearance recommendations of 12 feet in HFTD per G.O. 55 Rule 35, Appendix E to 12 feet when EVM. 2) There is an anticipated increase of tree removal in trees within the EVM area of action recommended at time of being per the Distribution Vegetation Inspection Procedure (DVIP). Filing has been provided to account for increased removal. 3) There are higher controls through reports and monitoring of work completion.</p> <p>b) PG&amp;E will maintain clearances where EVM work occurred. PG&amp;E will also be preserving a minimum radial clearance of 12 feet throughout the system with HFTD and EVM. For new programs, Vegetation Management for Operational Improvement (VMOD) and Focused Tree Inspection, are likely to result in individual trees that warrant enhanced clearance where EVM work did not happen. These programs have been established based on available science, site and soil as well as tree specific conditions. While called out as a uniform scope, clearances in portions of these targeted critical segments may vary.</p> <p>c) i) Applying the recommendation of 12 feet minimum clearance in HFTD/EVMA, at time of item 2) Deciding which locations need enhanced clearance through EVM inspection and T1 risks.</p> <p>d) Based on specific AOC usage analysis of species and failure types when available.</p> <p>e) Based on analysis of outage data by AOC. Additionally, any tree which is within MDL will be within the MDL before next work completion cycle to allowing signs of imminent failure before next work completion cycle.</p> <p>f) Minimum of 12 feet of clearance is enough clearance to mitigate potential contacts to facilities if tree reaches or portion of limbs work to occur.</p> <p>g) PG&amp;E maintains enhanced clearance projects according to the Wildfire Distribution Risk Model (WDRM) and attempts to complete work in order of highest to lowest risk wherever possible. However, operational factors including but not limited to access issues due to snow or weather, environmental timing operating periods, and agency restrictions among others may lead to a lower ranked project being completed ahead of a higher ranked project.</p> <p>h) PG&amp;E will maintain existing enhanced clearances as well as establishing new clearances starting at a minimum of 12 feet.</p>	0	NA	8.2.2.6	Vegetation Management and Inspections	Discontinued Programs



















86	CAIPA	Set WMP-11	CAIPA_Sat WMP-11-3	3	CAIPA_Sat WMP-11-03	<p>PG&amp;E's 2022 WMP, Section 7.1 E. Attachment 1 (Attach_C3.pdf) states the following regarding the project status of EPIC 153—Phase Three Down Migration Demonstration Project (Repeat Earth Fault Current Limiters) as of February 23, 2022: "Evaluation of additional substations for suitability of additional REFCL installations has begun and is pending results and completion of the initial EPIC project before current field work starts on additional sites. After an initial scoping process, 20 distribution substations with circuits in HTDs are candidates for potential REFCL deployments as of March 27, 2022, while the status of PG&amp;E's "optimization of additional candidates for suitability of additional REFCL installations" is) Given the status in subpart (a) of this question, please fill in the following table:</p> <p>i) Does the status in subpart (a) of this question, what are PG&amp;E's spending plans in CA, MWC, GR, and the REFCLs, and?</p> <p>ii) As of March 27, 2022, what conditions or findings has PG&amp;E reported based on its "evaluation of additional substations for suitability of additional REFCL installations"?</p> <p>iii) Please provide the details about PG&amp;E's work on additional sites?</p> <p>iv) Please identify each such site referred to in ii) and state the specific data for each.</p> <p>v) PG&amp;E states that 20 distribution substations with circuits in HTDs are candidates for potential REFCL deployments. As of March 27, 2022, how many of PG&amp;E's distribution substations with circuits in HTDs are currently candidates for potential REFCL deployment?</p> <p>vi) For each of the candidate substations included in your response to part (a), please fill in the following table:</p>	<p>PG&amp;E objects to the portions of the request relating to Meter Work Category (MWC) GR as beyond the scope of this proceeding. Nonwithstanding and unless waived by the objection, PG&amp;E responds as follows:</p> <p>a) PG&amp;E has not performed an evaluation of additional substations for suitability of additional REFCL installations since the review list of 20 distribution substations. PG&amp;E is still evaluating the technology in the demonstration project before making decisions about additional deployments.</p> <p>b) Given the ongoing evaluation described in response to subpart (a) above, our forecast as of 4/8/2023 is as follows:</p> <p>2024</p> <p>2025</p> <p>2026</p> <p>Forecast Capital Expenditures for MWC GR: \$ (5)</p> <p>\$0</p> <p>\$0</p> <p>\$0</p> <p>c) Forecast O&amp;M Expenses for MWC GR: \$ (5)</p> <p>\$0</p> <p>\$0</p> <p>\$0</p> <p>d) PG&amp;E has no spending plans for MWC GR in 2023 and limited scope to complete evaluation of the REFCL demonstration project under the EPIC budget.</p> <p>e) WMP Overview 2023_DR_California, 2011-2023 Page 9</p> <p>f) REFCLs are new substations with a high percentage of underground cables circuit miles on the distribution circuit. Many of PG&amp;E's substations serving these new circuits do not have physical space available for the REFCL equipment. Lastly, all of the substations included here have 3-wire distribution circuits. Many three-wire distribution banks and 3-wire distribution banks in the same substation affects suitability of REFCL.</p> <p>g) PG&amp;E has not started detailed design on specific sites of additional sites for REFCL.</p> <p>h) Not applicable, as described in response to subpart (a) above.</p> <p>i) PG&amp;E has not performed an evaluation of additional substations for potential REFCL deployments, so this number is still 20.</p> <p>j) Not applicable, as described in response to subpart (a) and (f) above.</p>	Pa/Wa/Li	45/2023	41/2023	41/2023	0	NA	8.1.8.1.3.1	Grid Operations and Procedures	Repeat Earth Fault Current Limiter
87	CAIPA	Set WMP-11	CAIPA_Sat WMP-11-4	4	CAIPA_Sat WMP-11-04	<p>Regarding to Exhibit PG&amp;E-04, February 23, 2022, wherein PG&amp;E states the following regarding REFCL: Based on our site testing and the successful implementation in Australia, PG&amp;E has developed a short-term strategy to install REFCLs in HTDs areas. PG&amp;E intends deploying REFCLs in an additional set of substations such that these plans could change pending pilot results and integration with other enhanced automation and wildfire mitigation efforts described in the chapter as mentioned above. PG&amp;E intends deploying REFCLs in an additional set of substations each year, but these plans change? - Have these plans changed? If/If not answer to part (a) in (a), please describe PG&amp;E's current plans regarding the future deployment of REFCLs. (c) Please identify the additional substations where PG&amp;E plans on deploying REFCLs in 2023, 4, 1/2024, 4, 1/2025, and 4, 1/2026.</p>	<p>a) Yes, our plans have changed over the past year from what was expressed in the quote above our WMP. PG&amp;E is not pursuing any REFCL deployments until after complete evaluation of the demonstration project and successful integration of the technology into normal operations. PG&amp;E is evaluating its portfolio of wildfire risk mitigations. (b) An additional set of substations are planned for REFCL deployment at this time.</p>	Pa/Wa/Li	45/2023	41/2023	41/2023	0	NA	8.1.8.1.3.1	Grid Operations and Procedures	Repeat Earth Fault Current Limiter
88	CAIPA	Set WMP-11	CAIPA_Sat WMP-11-5	5	CAIPA_Sat WMP-11-05	<p>Referring to Exhibit PG&amp;E-17, p. 4.3.6, Table 4.3.3, line 6, saved on July 11, 2022:</p> <p>Line 6 of the above table indicates that PG&amp;E increases the capital expenditures to be \$17.331 million in 2023, \$18.800 million in 2024, \$18.280 million in 2025, and \$18.474 million in 2026.</p> <p>Given the current status of PG&amp;E's evaluation of additional substations for suitability and PG&amp;E's plans for future deployment of REFCLs, as of March 27, 2022, please indicate any adjustments to the forecast capital expenditures by completing the table below:</p>	<p>Please see the table below for the requested information.</p> <p>Year</p> <p>2023</p> <p>2024</p> <p>2025</p> <p>2026</p> <p>Forecast of MAT GR as of July 11, 2022</p> <p>\$17.331MM</p> <p>\$18.800MM</p> <p>\$18.280MM</p> <p>\$18.774MM</p> <p>Increase of MAT GR as of March 15, 2023</p> <p>\$0</p> <p>\$0</p> <p>\$0</p> <p>\$0</p>	Pa/Wa/Li	45/2023	41/2023	41/2023	0	NA	8.1.8.1.3.1	Grid Operations and Procedures	Repeat Earth Fault Current Limiter
89	CAIPA	Set WMP-11	CAIPA_Sat WMP-11-6	6	CAIPA_Sat WMP-11-06	<p>In December 2021, PG&amp;E presented at the EPIC Symposium. See Attach_06_EPIC_Presentation.pdf. The presentation slides state that:</p> <p>"Repeat Earth Fault Current Limiter (REFCL) technology is an extension of existing protection at a distribution substation to reinforce ground fault current and prevent a spark. REFCL has been successfully deployed in a number of substations in the state of California. The use of ground fault neutralizer (GFN) REFCLs are candidates for potential REFCL deployment in HTDs (3-wire circuits)."</p> <p>As the statement quoted above occurs?</p> <p>ii) If the answer to part (a) is no, please provide any updated information.</p>	<p>PG&amp;E objects to the request as beyond the scope of this proceeding. Nonwithstanding and without waiving the objection, PG&amp;E responds as follows:</p> <p>a) Yes, this statement remains an accurate high-level description.</p> <p>b) Not applicable, as described in response to subpart (a) above.</p>	Pa/Wa/Li	45/2023	41/2023	41/2023	0	NA	8.1.8.1.3.1	Grid Operations and Procedures	Repeat Earth Fault Current Limiter
90	CAIPA	Set WMP-11	CAIPA_Sat WMP-11-7	7	CAIPA_Sat WMP-11-07	<p>PG&amp;E presents during the 2021 EPIC Symposium (Attach_06_EPIC_Presentation.pdf) that REFCL could be applied to replace 80% of PG&amp;E's HTD distribution circuit miles (3-wire circuits).</p> <p>However, PG&amp;E's 2022 WMP, at page 273, states that it:</p> <p>"While PG&amp;E is looking at opportunities for REFCL deployments in our distribution substations to mitigate wildfire risk and evaluate combinations of REFCL with EPSS and other mitigations, implementing it would require significant and costly changes to the grid."</p> <p>As PG&amp;E states the updated data when PG&amp;E reached the conclusion that "implementing REFCL would require significant and costly changes to the grid."</p> <p>ii) Why did PG&amp;E not believe "significant and costly changes" earlier than the date provided in part (a) of this question?</p> <p>iii) How did PG&amp;E reach the conclusion that "implementing REFCL would require significant and costly changes to the grid?"</p> <p>iv) How did PG&amp;E reach the conclusion that "implementing REFCL would require significant and costly changes to the grid?"</p> <p>v) How did the Caltech REFCL pilot demonstration contribute to or support the conclusion stated in the question above?</p> <p>vi) Please provide all available documentation, analyses, or studies evidence PG&amp;E's response to parts (a) and (b) of this question.</p> <p>vii) What "significant and costly changes" to PG&amp;E's grid would require for implementation?</p> <p>viii) For each "change" to PG&amp;E's grid, what is the total estimate?</p> <p>ix) What are the cost estimates for each "change" to the grid "as the" at the substation level?</p> <p>x) What are the cost estimates for each "change" to the grid "as a" per customer basis?</p>	<p>a) Implementing REFCL requires significant and costly changes to the grid relative to DCD and Partial Voltage detection. PG&amp;E has undertaken the deployment cost of REFCL in early 2022.</p> <p>b) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>c) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>d) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>e) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>f) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>g) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>h) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>i) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>j) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>k) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>l) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>m) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>n) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>o) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>p) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>q) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>r) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>s) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>t) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>u) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>v) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>w) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>x) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>y) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>z) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p>	Pa/Wa/Li	45/2023	41/2023	41/2023	0	NA	8.1.8.1.3.1	Grid Operations and Procedures	Repeat Earth Fault Current Limiter
91	CAIPA	Set WMP-11	CAIPA_Sat WMP-11-8	8	CAIPA_Sat WMP-11-08	<p>PG&amp;E's 2022 WMP, at page 273, states that:</p> <p>"While PG&amp;E is looking at opportunities for REFCL deployments in our distribution substations to mitigate wildfire risk and evaluate combinations of REFCL with EPSS and other mitigations, implementing it would require significant and costly changes to the grid."</p> <p>As PG&amp;E states the updated data when PG&amp;E reached the conclusion that "implementing REFCL would require significant and costly changes to the grid."</p> <p>ii) Why did PG&amp;E not believe "significant and costly changes" earlier than the date provided in part (a) of this question?</p> <p>iii) How did PG&amp;E reach the conclusion that "implementing REFCL would require significant and costly changes to the grid?"</p> <p>iv) How did PG&amp;E reach the conclusion that "implementing REFCL would require significant and costly changes to the grid?"</p> <p>v) How did the Caltech REFCL pilot demonstration contribute to or support the conclusion stated in the question above?</p> <p>vi) Please provide all available documentation, analyses, or studies evidence PG&amp;E's response to parts (a) and (b) of this question.</p> <p>vii) What "significant and costly changes" to PG&amp;E's grid would require for implementation?</p> <p>viii) For each "change" to PG&amp;E's grid, what is the total estimate?</p> <p>ix) What are the cost estimates for each "change" to the grid "as the" at the substation level?</p> <p>x) What are the cost estimates for each "change" to the grid "as a" per customer basis?</p>	<p>a) Implementing REFCL requires significant and costly changes to the grid relative to DCD and Partial Voltage detection. PG&amp;E has undertaken the deployment cost of REFCL in early 2022.</p> <p>b) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>c) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>d) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>e) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>f) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>g) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>h) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>i) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>j) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>k) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>l) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>m) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>n) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>o) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>p) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>q) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>r) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>s) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>t) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>u) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>v) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>w) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>x) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>y) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p> <p>z) PG&amp;E failed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.</p>	Pa/Wa/Li	45/2023	41/2023	41/2023	0	NA	8.1.8.1.3.1	Grid Operations and Procedures	Repeat Earth Fault Current Limiter
92	CAIPA	Set WMP-11	CAIPA_Sat WMP-11-9	9	CAIPA_Sat WMP-11-09	<p>At which substations, other than the Caltech substation, has PG&amp;E tested REFCL?</p>	<p>We have not tested REFCL at any substation other than the Caltech substation.</p>	Pa/Wa/Li	45/2023	41/2023	41/2023	0	NA	8.1.8.1.3.1	Grid Operations and Procedures	Repeat Earth Fault Current Limiter
93	CAIPA	Set WMP-11	CAIPA_Sat WMP-11-10	10	CAIPA_Sat WMP-11-10	<p>Has PG&amp;E done any benchmarking study on REFCL with Southern California Edison (SCE)?</p>	<p>Yes, PG&amp;E REFCL project engineers regularly engage with Southern California Edison to benchmark our findings and share results and findings. Of note, SCE has never cost miles of existing underground cable at their REFCL demonstration site.</p>	Pa/Wa/Li	45/2023	41/2023	41/2023	0	NA	8.1.8.1.3.1	Grid Operations and Procedures	Repeat Earth Fault Current Limiter
94	CAIPA	Set WMP-11	CAIPA_Sat WMP-11-11	11	CAIPA_Sat WMP-11-11	<p>Has PG&amp;E collaborated or exchanged with SCE on REFCL? If so, please detail the relevant activities.</p>	<p>Yes, PG&amp;E regularly collaborates with SCE on REFCL and sharing data and information. This includes a monthly ability group (meeting and sharing technical notes).</p>	Pa/Wa/Li	45/2023	41/2023	41/2023	0	NA	8.1.8.1.3.1	Grid Operations and Procedures	Repeat Earth Fault Current Limiter
95	CAIPA	Set WMP-11	CAIPA_Sat WMP-11-12	12	CAIPA_Sat WMP-11-12	<p>PG&amp;E's 2022 WMP, at page 273, states that it "instead of making costly changes to the grid, we are moving forward with more cost-effective solutions such as DCD and Partial Voltage Detection." Regarding Downstream Conductor Detection (DCD) and Partial Voltage Detection (PVD), what are the cost estimates for each "change" to the grid "as the" at the substation level?</p> <p>ii) What are the cost estimates for each "change" to the grid "as a" per customer basis?</p>	<p>a) Depending on the existing recloser controller, DCD may not require a physical "change to the grid" if it may require the installation of an existing recloser controller.</p> <p>b) DCD is most compatible with 3-wire systems. Implementation on 4-wire is possible but costly and may require the benefits received due to the higher fault probability that would be required. As a result, we are currently installing DCD on 3-wire systems.</p> <p>c) Yes, please see the response to subpart (a) above.</p> <p>d) The total estimate is as follows: \$1.9 million in 2024, \$1.1 million in 2025, and \$1.4 million in 2026.</p>	Pa/Wa/Li	45/2023	41/2023	41/2023	0	NA	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
96	CAIPA	Set WMP-11	CAIPA_Sat WMP-11-13	13	CAIPA_Sat WMP-11-13	<p>PG&amp;E's 2022 WMP, at page 273, states that it "instead of making costly changes to the grid, we are moving forward with more cost-effective solutions such as DCD and Partial Voltage Detection." Regarding Partial Voltage Detection (PVD), what are the cost estimates for each "change" to the grid "as the" at the substation level?</p> <p>ii) What are the cost estimates for each "change" to the grid "as a" per customer basis?</p>	<p>a) Partial Voltage Detection (PVD) does not require a "change to the grid." The statement quoted above refers to how this makes PVD a cost-effective solution.</p> <p>b) PVD is most compatible with 3-wire systems. Implementation on 4-wire is possible but costly and may require the benefits received due to the higher fault probability that would be required. As a result, we are currently installing PVD on 3-wire systems.</p> <p>c) No, we have no cost to "deploy" PVD.</p> <p>d) Not applicable, please see the response to subpart (a) above.</p>	Pa/Wa/Li	45/2023	41/2023	41/2023	0	NA	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
97	CAIPA	Set WMP-11	CAIPA_Sat WMP-11-14	14	CAIPA_Sat WMP-11-14	<p>Based on PG&amp;E's evaluation of REFCLs:</p> <p>i) Please describe the significant changes to the grid required to implement REFCL technology.</p> <p>ii) Describe the equipment conditions required for such changes, and.</p> <p>iii) Describe the likely operational impacts resulting from the implementation of REFCLs on PG&amp;E's system.</p>	<p>a) The significant changes to the grid required to implement REFCL are identified below:</p> <p>i) Replacing voltage regulation in closed delta.</p> <p>ii) Installing new, matched sets of feeder breaker current transformers (CTs).</p> <p>iii) Replacing bus potential transformers (PTs).</p> <p>iv) Replacing substation service transformers with bus-line connections.</p> <p>v) Installing the bank neutral bus and installing a neutral bus grounding resistor.</p> <p>vi) Installing the 12 kV bus structure for new neutrals and recloser.</p> <p>vii) Installing Ground Fault Neutralizers.</p> <p>viii) Upgrading the station breaker capacity.</p> <p>ix) Upgrading the feeder breaker protection and automation package to the current standard.</p> <p>x) Upgrading the protection settings based on grounding study.</p> <p>xi) The replacement of auto breakers with closed delta voltage regulator banks.</p> <p>xii) The replacement of open delta voltage regulation with closed delta.</p> <p>xiii) WMP Overview 2023_DR_California, 2011-2023 Page 9</p> <p>xiv) Replacement of the reclosers and controllers for sensitive earth fault detection.</p> <p>xv) Installation transformer for primary connection customers.</p> <p>xvi) Replacing three-phase fuse arrangements with FusedReclosers.</p> <p>xvii) Please correct the response for negative current estimates, and.</p> <p>xviii) The replacement of old, direct-bury underground cables.</p> <p>xix) The total cost estimate for these changes ranges from the range of \$10,000,000 to \$20,000,000.</p> <p>xx) Please see the response to subpart (a) for the requested information.</p> <p>xxi) PG&amp;E is still gaining operational experience with REFCL in its systems through the demonstration project. One impact that has been identified at this time is that the known that fault location can be a challenge for such a system.</p>	Pa/Wa/Li	45/2023	41/2023	41/2023	0	NA	8.1.8.1.3.1	Grid Operations and Procedures	Repeat Earth Fault Current Limiter
98	CAIPA	Set WMP-11	CAIPA_Sat WMP-11-15	15	CAIPA_Sat WMP-11-15	<p>Please state the dates when PG&amp;E finished evaluating the following:</p> <p>i) The significant changes to the grid required to implement REFCL technology.</p> <p>ii) The cost estimates for such changes.</p> <p>iii) The equipment conditions required for such changes, and.</p> <p>iv) The likely operational impacts resulting from the implementation of REFCLs on PG&amp;E's system.</p>	<p>a) -i) We finished the evaluation of each item identified above in early 2021.</p>	Pa/Wa/Li	45/2023	41/2023	41/2023	0	NA	8.1.8.1.3.1	Grid Operations and Procedures	Repeat Earth Fault Current Limiter







128	CaPA	Set WMP-14	CaPA_Set WMP-14	5	CaPA_Set WMP-14_05	<p>a) 360 of PG&amp;E's WMP states, "Temporary distribution microgrids are designed to support community resilience and reduce the number of customers impacted by PSPS by engaging 'main street corridors' with clusters of shared services and critical facilities so that these resources can continue serving surrounding residents during PSPS events."</p> <p>b) Please list the temporary distribution microgrids that PG&amp;E had available in 2020, 2021, and 2022 to mitigate the effect of a possible PSPS event</p> <p>c) For each temporary distribution microgrid listed in part (a), state the number of times the temporary distribution microgrid was used in 2020, 2021, and 2022 to mitigate the effects of a PSPS event.</p> <p>d) For each instance in part (b), list the number of customers that remained energized during a PSPS event.</p> <p>e) How does PG&amp;E determine what locations would warrant deployment of a temporary distribution microgrid?</p> <p>f) How does PG&amp;E determine when to deploy a temporary distribution microgrid? g) How does PG&amp;E determine when to remove a deployed temporary distribution microgrid?</p>	Holly Wetteman	4/1/2023	4/1/2023	4/1/2023	<p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-05">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-05</a></p> <p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-05">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-05</a></p>	0	NA	8.1.2.7.2	Grid Design and System Hardening	Temporary Distribution Microgrids
129	CaPA	Set WMP-14	CaPA_Set WMP-14	6	CaPA_Set WMP-14_06	<p>a) 360 of PG&amp;E's WMP states, "The Redwood Coast Airport Microgrid (RCAM) was built through a California Energy Commission (CEC) grant to the State Energy Center and later from United States of America to the Redwood Coast Energy Authority (Community Choice Aggregator), in collaboration with PG&amp;E's EPC 311, Multi-Site Microgrids, program."</p> <p>b) What was the total cost of the RCAM project?</p> <p>c) Please provide disaggregated costs associated with the RCAM funded in whole or in part by the California Energy Commission (CEC) grant, funds from the United States of America, and any other distinct funding source.</p>	Holly Wetteman	4/1/2023	4/1/2023	4/1/2023	<p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-06">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-06</a></p> <p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-06">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-06</a></p>	0	NA	8.1.2.7.3	Grid Design and System Hardening	Community Microgrid Enablement Program and Managed Incentive Program
130	CaPA	Set WMP-14	CaPA_Set WMP-14	7	CaPA_Set WMP-14_07	<p>a) 360 of PG&amp;E's WMP states, "The successful deployment of RCAM provides a model for other communities to improve resiliency of their customer microgrid load-serving resilience."</p> <p>b) How does PG&amp;E determine the success of the RCAM?</p> <p>c) Please provide data to support the success of the RCAM.</p>	Holly Wetteman	4/1/2023	4/1/2023	4/1/2023	<p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-07">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-07</a></p> <p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-07">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-07</a></p>	4	NA	8.1.2.7.3	Grid Design and System Hardening	Community Microgrid Enablement Program and Managed Incentive Program
131	CaPA	Set WMP-14	CaPA_Set WMP-14	8	CaPA_Set WMP-14_08	<p>a) 360 of PG&amp;E's WMP states, "In 2022, we have planned to install devices that will provide significant reliability benefits to have less than 1% of our PSPS events are disrupted."</p> <p>b) Please provide any available workpapers or studies to support your response to part (a).</p>	Holly Wetteman	4/1/2023	4/1/2023	4/1/2023	<p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-08">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-08</a></p> <p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-08">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-08</a></p>	0	NA	8.1.2.8.1	Grid Design and System Hardening	Installation of System Automation Equipment - Distribution Protective Devices
132	CaPA	Set WMP-14	CaPA_Set WMP-14	9	CaPA_Set WMP-14_09	<p>a) 360 of PG&amp;E's WMP states that will perform a "Substation Annual Assessment Effectiveness Study" in 2023.</p> <p>b) When does PG&amp;E expect to begin the Substation Annual Assessment Effectiveness Study?</p> <p>c) When does PG&amp;E expect to complete the Substation Annual Assessment Effectiveness Study?</p>	Holly Wetteman	4/1/2023	4/1/2023	4/1/2023	<p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-09">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-09</a></p> <p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-09">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-09</a></p>	0	NA	8.1.2.12.2	Grid Design and System Hardening	Other Technologies and Systems - Substation Annual Assessment
133	CaPA	Set WMP-14	CaPA_Set WMP-14	10	CaPA_Set WMP-14_10	<p>a) 360 of PG&amp;E's WMP states, "In 2022 PG&amp;E implemented revisions made to TD-2325, which incorporated related best practices as well as updated the pole inspection criteria. Please list the adjustments that PG&amp;E made to the pole inspection criteria."</p>	Holly Wetteman	4/1/2023	4/1/2023	4/1/2023	<p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-10">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-10</a></p> <p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-10">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-10</a></p>	0	NA	8.1.3.1.5	Asset Inspections	Intuitive Pole Inspections
134	CaPA	Set WMP-14	CaPA_Set WMP-14	11	CaPA_Set WMP-14_11	<p>a) 360 of PG&amp;E's WMP states, "PG&amp;E designed many new wireless, wireless, high medium, or low based on the average wildfire consequence of the structure when that map."</p> <p>b) How does PG&amp;E determine the level of wildfire consequence based on the WORM of the structure?</p> <p>c) When PG&amp;E revises the wildfire consequence based on the wildfire consequence described above?</p> <p>d) When PG&amp;E revises the wildfire consequence based on the wildfire consequence described above?</p> <p>e) How does PG&amp;E determine the wildfire consequence based on the wildfire consequence described above?</p>	Holly Wetteman	4/1/2023	4/1/2023	4/1/2023	<p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-11">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-11</a></p> <p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-11">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-11</a></p>	0	NA	8.1.3.2.1	Asset Inspections	Detached Ground Inspection
135	CaPA	Set WMP-14	CaPA_Set WMP-14	12	CaPA_Set WMP-14_12	<p>a) 360 of PG&amp;E's WMP states, "PG&amp;E implemented to ensure that we will be able to reduce the risk of our HFTD/FTRFA tags being 100% in 2023."</p> <p>b) What actions has PG&amp;E implemented to ensure that we will be able to reduce the risk of our HFTD/FTRFA tags being 100% in 2023?</p> <p>c) For each factor in part (b), what measures has PG&amp;E implemented to reduce the risk that the factor will prevent PG&amp;E from reducing to 100% in 2023?</p>	Holly Wetteman	4/1/2023	4/1/2023	4/1/2023	<p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-12">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-12</a></p> <p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-12">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-12</a></p>	0	NA	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags
136	CaPA	Set WMP-14	CaPA_Set WMP-14	13	CaPA_Set WMP-14_13	<p>a) 360 of PG&amp;E's WMP states, "EPSS does not cause a power outage. Given that EPSS settings can be energize a line without any wiring, and without an apparent cause, please explain what is meant by the above text."</p>	Holly Wetteman	4/1/2023	4/1/2023	4/1/2023	<p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-13">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-13</a></p> <p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-13">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-13</a></p>	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
137	CaPA	Set WMP-14	CaPA_Set WMP-14	14	CaPA_Set WMP-14_14	<p>The PG&amp;E January 2023 EPSS monthly report, PG&amp;E announced 375 EPSS outages in 2022.</p> <p>a) Of the EPSS-impinged outages in 2022, in how many of these outages did PG&amp;E feel that corrective actions were required prior to re-energizing it. There was no persistent customer that PG&amp;E needed to re-energize upon being an outage last?</p> <p>b) Were there any EPSS-impinged outages in 2022 that PG&amp;E determined were triggered by events that did not pose an ignition risk?</p> <p>c) If the answer to part (b) is no, how many such EPSS-impinged outages in 2022?</p>	Holly Wetteman	4/1/2023	4/1/2023	4/1/2023	<p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-14">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-14</a></p> <p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-14">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-14</a></p>	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
138	CaPA	Set WMP-14	CaPA_Set WMP-14	15	CaPA_Set WMP-14_15	<p>a) 460 of PG&amp;E's WMP states, "In 2022, we expanded the scope of EPSS as well as HFTD as for our service territory and HFTD as for our service territory."</p> <p>b) In 2022, did PG&amp;E expand the scope of EPSS as well as HFTD as for our service territory and HFTD as for our service territory?</p> <p>c) If the answer to part (b) is no, please state the basis for the decision.</p> <p>d) If the answer to part (b) is yes, please explain why not.</p> <p>e) If the answer to part (b) is yes, please explain why not.</p>	Holly Wetteman	4/1/2023	4/1/2023	4/1/2023	<p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-15">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-15</a></p> <p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-15">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-15</a></p>	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
139	CaPA	Set WMP-14	CaPA_Set WMP-14	16	CaPA_Set WMP-14_16	<p>a) 460 of PG&amp;E's WMP states that it has been undergrounded with all EPSS-impinged PSPS outages, a segment operation or downstream of the undergrounded circuit segments are subject to PSPS.</p> <p>b) In which cases where undergrounded with all EPSS-impinged PSPS outages, a segment operation or downstream of the undergrounded circuit segments are subject to PSPS?</p> <p>c) How does PG&amp;E determine the scope of EPSS as well as HFTD as for our service territory and HFTD as for our service territory?</p> <p>d) If the answer to part (b) is no, please explain why not.</p> <p>e) If the answer to part (b) is yes, please explain why not.</p>	Holly Wetteman	4/1/2023	4/1/2023	4/1/2023	<p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-16">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-16</a></p> <p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-16">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-16</a></p>	0	NA	8.1.5	Public Safety Power Shutoff	Performance Metrics Identified by the Electrical Cooperation
140	CaPA	Set WMP-14	CaPA_Set WMP-14	17	CaPA_Set WMP-14_17	<p>a) 460 of PG&amp;E's WMP states that it has been undergrounded with all EPSS-impinged PSPS outages, a segment operation or downstream of the undergrounded circuit segments are subject to PSPS?</p> <p>b) In which cases where undergrounded with all EPSS-impinged PSPS outages, a segment operation or downstream of the undergrounded circuit segments are subject to PSPS?</p> <p>c) How does PG&amp;E determine the scope of EPSS as well as HFTD as for our service territory and HFTD as for our service territory?</p> <p>d) If the answer to part (b) is no, please explain why not.</p> <p>e) If the answer to part (b) is yes, please explain why not.</p>	Holly Wetteman	4/1/2023	4/1/2023	4/1/2023	<p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-17">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-17</a></p> <p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-17">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-17</a></p>	0	NA	8.1.5	Public Safety Power Shutoff	Performance Metrics Identified by the Electrical Cooperation
141	CaPA	Set WMP-14	CaPA_Set WMP-14	18	CaPA_Set WMP-14_18	<p>a) 460 of PG&amp;E's WMP states that it has been undergrounded with all EPSS-impinged PSPS outages, a segment operation or downstream of the undergrounded circuit segments are subject to PSPS?</p> <p>b) In which cases where undergrounded with all EPSS-impinged PSPS outages, a segment operation or downstream of the undergrounded circuit segments are subject to PSPS?</p> <p>c) How does PG&amp;E determine the scope of EPSS as well as HFTD as for our service territory and HFTD as for our service territory?</p> <p>d) If the answer to part (b) is no, please explain why not.</p> <p>e) If the answer to part (b) is yes, please explain why not.</p>	Holly Wetteman	4/1/2023	4/1/2023	4/1/2023	<p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-18">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-18</a></p> <p><a href="https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-18">https://www.pge.com/electricity/gridmodernization/infrastructure/infrastructure-reliability-reports/2023-04-01-ca-pa-set-wmp-14-18</a></p>	0	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings







171	TURN	004	TURN_004	2	TURN_004_02	Regarding Table PG&E-22-35-1 (PSPS Events Lookback Analysis) on page 972 of PG&E's 2023-2025 WMP: PG&E's Lookback Analysis provides a broad description of all data sets and how the numbers in each table were calculated. Provide the table in an Excel format.	<p>In Table PG&amp;E-22-35-1 used the following report data: 2022 PSPS Five-Year Lookback Analysis (2017-2022). This is an analysis which shows the hypothetical PSPS events created for applying 2022 PSPS guidance to the weather from 2016-2022. This is our most accurate method of valuating PSPS impacts based on our latest PSPS guidance, and results in a dataset identifying the list of customers impacted per hypothetical event. This list of customers is used in the WMP to calculate projected PSPS customer impacts. Customers whose impact is projected due to existing mitigations (as of the end of 2022) are not included in the dataset. Some customers are impacted due to new or repaired infrastructure outage due to use of a downstream MSD device in the hypothetical PSPS events. When applying PSPS events, we also add an event based on the presence of certain asset and vegetation tags. These areas also meet Minimum Fire Potential Conditions. This results in an incremental expansion of PSPS scores. The combined total of these asset and vegetation tags for our system were 106 by year and overall by accuracy. Hypothetical future PSPS events. This expansion is specific to the dataset valuating risks is incorporated as a 10% adjustment. The asset and vegetation tags were applied to 2022 PSPS events, including the January 11, 2021 (PSPS Event) which used 2022 PSPS guidance and thus did not have an increase due to tags.</p> <p>Since we cannot determine which specific customers will be added to include those with vegetation tags, the 10% increase can only be applied to the aggregated customer count for each PSPS event. The table identifies customers who are impacted by PSPS events, and we identify customers impacted by MSD device replacements and undergrounding.</p> <p>The table is based on a spreadsheet for calculating the customers, showing the percentage of customers impacted.</p> <p>MSD Device Replacement Worksheet (2023-2024): This dataset identifies the list of MSD devices that we planned to be replaced with non-MSD devices in 2023 and 2024. This dataset was used in conjunction with the 2022 PSPS Five-Year Lookback Analysis described above to identify customers whose PSPS impacts would be mitigated by planned MSD device replacements.</p> <p>Expanded Undergrounding Projects: This dataset identifies the undergrounding projects scoped for future work. An analysis was performed using this dataset to determine the average expected PSPS customer mitigation per mile of undergrounding completed, among the scoped projects. The expected PSPS customer mitigation is calculated relative to hypothetical PSPS events in the 2022 PSPS Five-Year Lookback Analysis described above.</p> <p>Table Columns:</p> <p>Column: Incremental Customers Mitigated This column indicates the number of incremental customer-events mitigated per category (year and type of mitigation), relative to the hypothetical PSPS events.</p> <p>Table PG&amp;E-22-35-1: Hypothetical PSPS Events This table identifies the following mitigations with the potential to mitigate the table, scope, frequency, or duration of PSPS events:</p> <ul style="list-style-type: none"> <li>• Distribution Secondary Overhead</li> <li>• Transmission Line Secondary Switching</li> <li>• Distribution Line Secondary Switching</li> <li>• Temporary Distribution Mitigants</li> <li>• System Hardening (Distribution)</li> <li>• Undergrounding</li> </ul>	Tom Long	4/12/2023	4/12/2023	4/12/2023	1	NA	Appendix D	Appendix D - Areas for Combined Improvement	ACI PG&E-22-35 Quantify Mitigation Benefits of Restoring PSPS Stacks, Scope, and Frequency	
172	TURN	004	TURN_004	3	TURN_004_03	Regarding PG&E's response to ACI PG&E 22-35, beginning on page 971 of its WMP: Please identify each mitigation discussed in PG&E's current WMP for 2023-2025 WMP that has the potential to mitigate the table, scope, frequency, or duration of PSPS events. Please explain why Table 22-35-1 only looks at the impact of mitigations, undergrounding and MSD, and does not consider the other mitigations identified in response to subject (a). Please provide all PG&E analyses similar to what is presented in Table 22-35-1 regarding the impact on PSPS stacks, scope, frequency, or duration of any or all of the other mitigations identified in response to subject (a). Regarding the statement on page 971: "We concluded that none of the 2022 mitigation initiatives estimated an event." Please identify each of the 2022 mitigation initiatives that are referenced in this statement. List the meaning of the statement that none of the 2022 mitigations reduced the table, scope, frequency or duration of an event? If not, please explain what is meant by the statement and how it relates to the analysis presented in Table 22-35-1.	<p>We currently do not have initiatives to add additional mitigation devices such as Secondary Switching devices and Temporary Mitigants as described in subject (a) in each of the 2022 and 2023 WMP. We assessed the projected impact of future planned mitigations initiatives on PSPS events. This Table 22-35-1 only looks at the impact of the mitigation initiatives planned for future implementation in the 2023 WMP. Undergrounding and MSD Replacements and does not further examine the impact of past or existing mitigations (including the additional mitigations discussed in the 2022 WMP). The analysis presented in Table 22-35-1 was only performed for the mitigations planned for the 2023 WMP. The 2022 WMP. Undergrounding and MSD Replacements.</p> <p>The combined or total impact of the 2022 WMP mitigations is reflected in the following tables:</p> <ul style="list-style-type: none"> <li>• Table PG&amp;E-22-35-1: Target Features as a Result of PG&amp;E's WMP Mitigations</li> <li>• Table 2.3: PG&amp;E's WMP Targets</li> <li>• Targets PG-07</li> <li>• QDR Table 10</li> </ul> <p>None of the remaining mitigations identified in the response to subject (a) on PSPS events were analyzed in the 2022 WMP in the following tables:</p> <ul style="list-style-type: none"> <li>• Table PG&amp;E-21-1: Estimated Impact of 2022 WMP Planned Mitigations</li> <li>• Table PG&amp;E-8-3-1: PSPS Direct Impact Initiative Targets to be Completed by September 1, 2022</li> <li>• Table PG&amp;E-8-3-2: PSPS Direct Impact Initiative Targets to be Completed After September 1, 2022 and Prior to the Next WMP Update</li> </ul> <p>The combined or total impact of the 2022 WMP mitigations is reflected in the following tables:</p> <ul style="list-style-type: none"> <li>• Table PG&amp;E-8-1-2: Estimated Total Impact of 2022 WMP Planned Mitigations</li> <li>• QDR Table 11</li> </ul> <p>This was a mistake we made in the 2023 WMP. This statement was intended to say: "We concluded that none of the mitigation initiatives identified in the analysis will be implemented, unless we add..." The analysis includes mitigation initiatives.</p>	Tom Long	4/12/2023	4/12/2023	4/12/2023	0	NA	Appendix D	Appendix D - Areas for Combined Improvement	ACI PG&E-22-35 Quantify Mitigation Benefits of Restoring PSPS Stacks, Scope, and Frequency	
173	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division)_003_01	1	CPUC - SPD (Safety Policy Division)_003_01	I fill in the attached spreadsheet "Wildfire Mitigation Table DR - PG&E." The first tab is a "Discovery" which provides information for each wildfire. The other tabs, "Event Impact," "Asset Information," and "Mitigation Impact," need to be completed with data provided from PG&E.	<p>Please see attachment "WMP-Discussion2023_DR_SPD_003-001A0401.xlsx" which is the completed Wildfire Mitigation Table DR - PG&amp;E template provided to us by PG&amp;E.</p>	Kevin Miller	4/12/2023	4/12/2023	4/12/2023	1	Wildfire	NA	8	Wildfire Mitigation	NA
174	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division)_003_02	2	CPUC - SPD (Safety Policy Division)_003_02	In PG&E 2023 WMP, PG&E Section 642_A40101: SPD has observed the mitigation effectiveness of Covered Conductor is on the order of 49% compared to the value reported in the WMP which is 64%. Please explain the discrepancy.	<p>The data information is incorrect in the WMP. We have corrected in response to the discovery request. We will reach out to Energy Safety to discuss the update and make corrections to the WMP related to Energy Safety Policy Division. The 49% effectiveness cited above due to an incorrect in the original file and has been corrected in "WMP-Discussion2023_DR_SPD_003-001A0401.xlsx" which is the completed Wildfire Mitigation Table DR - PG&amp;E template provided to us by PG&amp;E.</p>	Kevin Miller	4/12/2023	4/12/2023	4/12/2023	0	NA	8.1.2.1	Grid Design and System Hardening	Covered Conductor Installation - Distribution	
175	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division)_003_03	3	CPUC - SPD (Safety Policy Division)_003_03	2 Confirm or revise PG&E's Butte County CHN US connection factor for the 2023-2025 WMP (currently 1.57 on the CRIC based on actual and estimated USF miles for 2023-2026. In the PG&E 2023 CRIC Study Brief (Dec 22) PG&E forecast 2,000 CRIC miles (MW) (MW) and 100 Butte County USF miles (MW) (MW) for 2023-2026.	<p>PG&amp;E confirms that our Butte County CHN US connection factor for the 2023-2025 WMP is 1.57.</p>	Kevin Miller	4/12/2023	4/12/2023	4/12/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution	
176	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division)_003_04	4	CPUC - SPD (Safety Policy Division)_003_04	4 Based on WSPS' initial review of the wildfire systems and general understanding of PG&E's undergrounding program, it appears that undergrounding would have prevented only 67% of CPUC-liable systems in the HFD area between 2018-2022 primarily due to the impact of secondary service conductors systems. Additionally, SPD noted that CPUC-liable systems in PG&E territory during 2017 which were related to undergrounding. The data used in the CPUC report data is not accurate. Please explain the methodology used to analyze the data. Provide the justification for the 67% mitigation effectiveness value for undergrounding reported in the Wildfire Mitigation Plan. Explain how secondary, service conductor, and underground systems are accounted for in the 99% mitigation effectiveness. Provide the percentage of CPUC-liable systems in the HFD that undergrounding would be expected to terminate, accounting for secondary and service conductors. Provide a description of each CPUC-liable system related to undergrounding that occurred in 2022 and describe how PG&E's undergrounding approach would or would not mitigate the system. EPSS is a generalization of that system from secondary conductors and service drops are accounted for in the methodology for calculating the effectiveness for both covered conductor and EPSS, but the risk does not appear to be accounted for in the same way for undergrounding. Explain the difference in the methodology for how the 99% mitigation effectiveness for undergrounding is calculated as compared to the 67% mitigation effectiveness for covered conductor and EPSS. Explain how the mitigation effectiveness is applied to the risk calculation such that approach used in PG&E 2023 WMP (see Section 642_A40101) and contact this approach to the approach used for covered conductor and EPSS. Provide the number of CPUC-liable systems related to HFD's secondary and service conductors for each year during 2018-2024.	<p>1) In the 2022 WMP discovery process, we provided data responses that showed how PG&amp;E estimated the effectiveness of undergrounding (WMP Discussion2023_DR_Distribution_020-020). PG&amp;E explained that data request: PG&amp;E estimates of the effectiveness of undergrounding in reducing ignition to be based on subject matter expertise. We validated this estimation using the ignition rate per mile for overhead and underground circuits respectively.</p> <p>2) Based on 2023-2022 historical CPUC-liable systems and the analysis of the effectiveness of undergrounding is approximately 50-55% from an ignition rate perspective as indicated in Table 1 below. However, Table 1 below is a general estimate of the effectiveness of undergrounding on ignition to different types of consequences based on the 2017-2021 dataset, on underground ignition resulted in a five greater than 10 acres, further substantiating undergrounding is an event lower wildfire risk than overhead lines.</p> <p>As such, we determined that CPUC-liable system data information is consistent with subject matter expert estimates of EPSS. The reportable system data considered includes the systems associated with secondary and service conductors.</p> <p>3) Our current methodology is to underground primary conductor. At this time, we do not underground lateral secondary lines and service conductors. As noted in part a, we assume that undergrounding is 99% effective at reducing ignitions on the distribution primary lines. The undergrounding has taken place. However, as part of the undergrounding response, we will underground lateral secondary and service lines by replacing overhead secondary, gray services, and secondary lines with the event relative risk mitigation benefit associated with this enhancement to the least secondary and service lines that have not been quantified. It will provide some enhanced wildfire mitigation value to the lateral secondary and service lines that are not undergrounded.</p> <p>4) We validated the ignition rate as a historical for systems related to undergrounding work conducted in 2022. PG&amp;E has identified the systems related to undergrounding work conducted in 2022.</p> <p>5) The effectiveness in mitigating wildfire risk from secondary and service lines for these wildfire-related (DR) (Hardening) (Covered Conductor, Undergrounding, and EPSS) is actually very similar. DR (Hardening) and Undergrounding both result in the same benefits or improvement of safety and secondary lines that are reported to subject 1 above. Separately, EPSS provides limited coverage for potential ignition risks on service and secondary lines because these assets are dependent of a service transformer. By design, the effectiveness of a service transformer and secondary lines are not "shared" by the system protection devices which are programmed with EPSS settings. These are cases where an issue with a service or secondary line may be "seen" by the protection device and trigger a distribution, but in most cases a fault on a service or secondary line downstream of the transformer will not trigger a distribution unless the protection device is connected with EPSS settings. Therefore, all three methods (hardening, covered conductor, and undergrounding) will provide similar wildfire mitigation benefits.</p>	Kevin Miller	4/12/2023	4/12/2023	4/12/2023	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution	
177	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division)_003_05	5	CPUC - SPD (Safety Policy Division)_003_05	1. Regarding the UG worksheet table provided by PG&E, 2023-03-27_PGE_2023-WMP_R0_Appends D ACI PG&E-22-35-1_ADDENDUM_C09E Also Why does Column "C" "Risk Rank (VZ) begin at Rank 7 (as opposed to 1) for circuits? Why do the gaps in rank 1 exist? Why does Column "C" "Risk Rank (VZ) begin at Rank 6 (as opposed to 1) for circuits? Why does a rank 4 exist at 2023? Why do the gaps in rank 1 exist? 2. The PG&E evaluated how mid-cycle inspections can be adjusted to align with Areas of Concern in higher risk regions? 3. How PG&E evaluated the feasibility of developing a multi-year historical tree data set? 4. How PG&E evaluated the feasibility of developing a multi-year historical tree data set? 5. How PG&E evaluated the feasibility of developing a multi-year historical tree data set? 6. How PG&E evaluated the feasibility of developing a multi-year historical tree data set?	<p>1. There are three primary reasons why the risk ranking does not begin at 1: 1. If the circuit segment length is less than 1 mile, then these smaller segments are bundled with other larger groups (e.g., circuit segments that are risk ranked 1, 3, 4, and 5 were all less than 1 mile and bundled with other larger groups of circuit segments). 2. Some of the circuit segments are primarily overhead lines, we send an annual letter to the center reminding them of their responsibility to maintain the line but do not take action on these circuits. (e.g., circuit segment that is risk ranked 2 is primarily overhead). 3. Some circuits are in the risk model data set but have been completed on that circuit segment and therefore the circuit segment is not included in planned work in the 2023-2025 work plan (e.g., work on a circuit segment that is risk ranked 1 was already completed). 4. We have approximately 1,000 CRIC segments in the HFD as of the end of 2022. We have the data provided to only for the circuit segments in the current work plan which represents a subset of the overall 10,000 mile undergrounding program (~2,700 miles), which is only a fraction of the overall electric distribution in the HFD. The table does not include all 1,000 CRIC segments but only circuit segments are represented in the 2023-2025 work plan, including a number of the circuit segments we have in the territory (2,229-8,000). 5. Some of the numerical risk ranks that would be expected in a complete (1-N dataset) are missing from the worksheet data set. The missing risk ranks are 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. The overall 10,000 mile undergrounding program (~2,700 miles), which is only a fraction of the overall electric distribution lines in the HFD. The table does not include all 1,000 CRIC segments but only circuit segments are represented in the 2023-2025 work plan, including a number of the circuit segments we have in the territory (2,229-8,000). 6. There are three primary reasons why the risk ranking does not begin at 1: 1. Using the Wildfire Fuel Efficiency (WFE) scores, PG&amp;E bundles smaller projects (circuit segments) that are less than 1 mile into larger projects (e.g., circuit segment that is risk ranked 1 is bundled with the large project that is risk ranked 8). 2. Some of the circuit segments are primarily overhead lines, we send an annual letter to the center reminding them of their responsibility to maintain the line but do not take action on these circuits. (e.g., circuit segment that is risk ranked 2 is a primarily overhead line). 3. Some circuit segments are not yet included in the 2023-2025 work plan due to the high difficulty of execution (e.g., circuit segment that is risk ranked 5 is bundled with three other segments with high execution difficulty such that they are not yet included in the 2023-2025 work plan). 7. No, PG&amp;E has not used its Targeted Tree Species study to identify additional clearances for inventory of trees with the highest growth and highest fuel potential? 8. 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178	OEIS	002	OEIS_001	1	OEIS_001_01	1. How PG&E used its Targeted Tree Species study to identify additional clearances for inventory of trees with the highest growth and highest fuel potential? 2. How PG&E evaluated the feasibility of developing a multi-year historical tree data set? 3. How PG&E evaluated the feasibility of developing a multi-year historical tree data set? 4. How PG&E evaluated the feasibility of developing a multi-year historical tree data set? 5. How PG&E evaluated the feasibility of developing a multi-year historical tree data set? 6. How PG&E evaluated the feasibility of developing a multi-year historical tree data set? 7. How PG&E evaluated the feasibility of developing a multi-year historical tree data set? 8. How PG&E evaluated the feasibility of developing a multi-year historical tree data set? 9. How PG&E evaluated the feasibility of developing a multi-year historical tree data set? 10. 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199	CA/PA	Set WMP-16	Ca/PA_Set WMP-16	4	Ca/PA_Set WMP-16_Q4	<p>Please explain PG&amp;E's selection criteria for where to install the following equipment on underground circuits:</p> <ul style="list-style-type: none"> <li>1) SCADA UG switches</li> <li>2) Subsurface transformers</li> <li>3) Load break switches</li> </ul>	<p>1) SCADA underground switches are typically only installed at mainline substations. The 3-way SCADA switch can have a top position enabled with SCADA due to the space constraint on the top of the switch. Additionally, communications signal to enable SCADA is not always available at the location where we would otherwise like to install a SCADA-enabled switch. Where SCADA-enabled switches are preferred at these locations (mainline substations, where communication are available), it is at the discretion of the Electric Distribution Planning Engineer to specify the appropriate device as part of the project design.</p> <p>2) PG&amp;E installs junction boxes on both mainline (300V, 480V, 600V and tap (480/208V)) systems.</p> <p>3) A mainline junction in the connection of multiple 600V separate conductors tied together in a subsurface enclosure and mounted on a wall of the enclosure. This connection could include a 200A allow mounted on top to feed a nearby feeder. PG&amp;E typically designs the underground system such that there is a switching device at every other enclosure, allowing the use of a simple junction in between. (Technically speaking, this design approach is due to the 600A single junction label a "hardware")</p> <p>4) PG&amp;E uses a load break switch (LBS) in a bus bar mounted on the wall of a subsurface enclosure.</p> <p>5) There can be 3-way or 4-way connections. These junctions are typically designed to be back-fed on 200A radial systems and are not the end-of-circuit connection for 200A loads, but they can be used to serve a single transformer on a loop system. A load break switch can supply in and out of a transformer. In some cases, the 200A junction can also be back-fed.</p> <p>6) The use of 200A Load-Break (LB) allows is required when terminating 200A cable (ending the cable run, generally in a piece of equipment like a transformer or substation enclosure installed after July 2016). The use of 200A LB allows has been required for terminating 200A cables on most new post-mounted installations since the early 1990s. However, note that when performing the underground system design, the replacement of existing 200A Load Break (LB) allows, it may not be feasible to convert 200A LB to LB allows. The overall height of the 200A LB allows is 10' when the mounting DR allows and the enclosure covers must be able to be secured closed when cables are placed on an installed or proposed standard in the enclosure. In the cases where a LB allow cannot fit within the enclosure, LB allows are accepted for use.</p>	Holly Wetman	4/8/2023	4/1/2023	4/1/2023	0	NA	8.1.2	Grid Design and System Hardening	Other Grid Technology Improvements to Minimize Risk of Outages																																										
200	CA/PA	Set WMP-16	Ca/PA_Set WMP-16	5	Ca/PA_Set WMP-16_Q5	<p>Please explain PG&amp;E's selection criteria for where to install the following equipment on underground circuits:</p> <ul style="list-style-type: none"> <li>1) Post-mounted transformers</li> <li>2) Subsurface transformers</li> </ul>	<p>1) PG&amp;E's standard is to install post-mounted transformers on underground circuits where transformers are used. See the response to subquestion 4 where a post-mount may not be used in favor of a subsurface transformer (For residential customers, we prefer to install post-mounted transformers in the street frontages, easement, or right-of-way away from multiple customers or on the customer's property for a single service. For non-residential customers, the preference is to install post-mounted transformers outside / adjacent to the building on a concrete pad.)</p> <p>2) Subsurface transformers are typically only installed where it is required to support easement acquisition. There is no space available for a post-mounted transformer to be installed, or it is otherwise specified due to project-specific concerns. Reasons that subsurface transformers are not preferred include that a subsurface transformer located in an enclosure where the air circulation is restricted and the ambient temperature is high such as in the Central Valley or some of the PDT areas that see high summer temperatures, may increase its capabilities, as temperatures leading due to excessive temperature. Space is also limited in subsurface enclosures, so load requirements that influence the size of the transformer may limit the option of installing a subsurface transformer.</p> <p>3) When space is needed, the preferred location for a subsurface transformer (from most preferred to least preferred) is:</p> <ol style="list-style-type: none"> <li>On the customer's property inside a building.</li> <li>In a planed area between the curb and the sidewalk.</li> <li>In the sidewalk.</li> <li>In the portion of a parking lot.</li> <li>In the parking / shoulder area of a street.</li> <li>In the right-of-way outside of the street.</li> </ol>	Holly Wetman	4/8/2023	4/1/2023	4/1/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment																																										
201	CA/PA	Set WMP-16	Ca/PA_Set WMP-16	6	Ca/PA_Set WMP-16_Q6	<p>For each of the underground projects that PG&amp;E has planned for 2023, please answer the following questions on each project:</p> <ul style="list-style-type: none"> <li>a) How many SCADA underground switches will be installed?</li> <li>b) How many overhead switches will be removed?</li> <li>c) How many switches to adjacent circuits currently exist?</li> <li>d) How many OH to switches to adjacent circuits will be removed?</li> <li>e) How many switches (OH or CG) will exist when the project is complete?</li> <li>f) How many SCADA overhead switches will be removed?</li> <li>g) How many SCADA underground switches will be installed as tie points to adjacent circuits?</li> <li>h) How many subsurface transformers will be installed for sectionalizing?</li> <li>i) How many post-mounted transformers will be installed?</li> <li>j) How many loads will be installed?</li> <li>k) How many junction boxes will be installed for sectionalizing?</li> <li>l) How many junction boxes will be installed as tie points to adjacent circuits?</li> <li>m) How many load break allows will be installed for sectionalizing?</li> <li>n) How many load break allows will be installed for sectionalizing?</li> <li>o) How many load break allows will be installed as tie points to adjacent circuits?</li> <li>p) How many hand break allows will be installed as tie points to adjacent circuits?</li> <li>q) How many hand break allows will be installed?</li> <li>r) How many hand break allows will be installed?</li> </ul>	<p>PG&amp;E objects to this request as overhead and on-duty transformers. We do not maintain the requested information in a format that allows it to be aggregated without a manual review of each project's engineering and construction documentation. Manually collecting the data across hundreds of projects would require significant time and resources and the development of multiple processes to ensure data accuracy. If you would like to discuss this request further, please feel free to reach out to us.</p>	Holly Wetman	4/8/2023	4/1/2023	4/1/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment																																										
201	CA/PA	Set WMP-16	Ca/PA_Set WMP-16	6a)	Ca/PA_Set WMP-16_Q6a)	<p>For each of the underground projects that PG&amp;E has planned for 2023, please answer the following questions on each project:</p> <ul style="list-style-type: none"> <li>a) How many SCADA underground switches will be installed?</li> <li>b) How many overhead switches will be removed?</li> <li>c) How many switches to adjacent circuits currently exist?</li> <li>d) How many OH to switches to adjacent circuits will be removed?</li> <li>e) How many switches (OH or CG) will exist when the project is complete?</li> <li>f) How many SCADA overhead switches will be removed?</li> <li>g) How many SCADA underground switches will be installed as tie points to adjacent circuits?</li> <li>h) How many subsurface transformers will be installed for sectionalizing?</li> <li>i) How many post-mounted transformers will be installed?</li> <li>j) How many loads will be installed?</li> <li>k) How many junction boxes will be installed for sectionalizing?</li> <li>l) How many junction boxes will be installed as tie points to adjacent circuits?</li> <li>m) How many load break allows will be installed for sectionalizing?</li> <li>n) How many load break allows will be installed for sectionalizing?</li> <li>o) How many load break allows will be installed as tie points to adjacent circuits?</li> <li>p) How many hand break allows will be installed as tie points to adjacent circuits?</li> <li>q) How many hand break allows will be installed?</li> <li>r) How many hand break allows will be installed?</li> </ul>	<p>PG&amp;E objects to this request as overhead and on-duty transformers. We do not maintain the requested information in a format that allows it to be aggregated without a manual review of each project's engineering and construction documentation. Manually collecting the data across hundreds of projects would require significant time and resources and the development of multiple processes to ensure data accuracy. If you would like to discuss this request further, please feel free to reach out to us.</p> <p>Response:</p> <p>In response to a request to provide the results of a manual review of a few projects, PG&amp;E completed this review in a series of four projects at Clark Road 1102 (BERT) Phase 1, 1, 4, &amp; PG&amp;E is providing the total quantities for the four projects that are contained on the same circuit. The following tables are the associated projects that can be found on our undergrounding websites: 3020001, 3020005, 3020010, 3020011, 3020011. Below we also provide the assumptions used to collect this information.</p> <p>1) PG&amp;E assumes "SCADA underground switches installed" includes both post-mounted and subsurface SCADA devices. Because these devices often have multiple positions enabled (e.g. three-way switch), PG&amp;E also collected the number of times SCADA enabled as there are details 1.1.</p> <p>2) SCADA underground devices - 1</p> <p>3) PG&amp;E assumes "Overhead switches removed" to include both mainline and tie-line switches, protection devices that can be operated as switches, bypass switches.</p> <p>4) PG&amp;E does not assume the removal of tie-line switches as part of tie-line packages.</p> <p>5) Overhead Switches Removed - 14</p> <p>6) PG&amp;E assumes "tie switches to adjacent circuits" are only included if part of the project reviewed and excludes ties to install.</p> <p>7) Tie Switches to Adjacent Circuits - 1</p> <p>8) PG&amp;E assumes "tie switches to adjacent circuits removed" are only included if part of the project reviewed and excludes ties to install.</p> <p>9) PG&amp;E assumes "tie switches (OH and CG) to adjacent circuits installed" are only included if part of the project reviewed and excludes ties to install.</p> <p>10) Tie Switches (OH and CG) to Adjacent Circuits Installed - 1</p> <p>11) PG&amp;E assumes "SCADA OH switches removed" to include both mainline, tap-line switches, and protection devices with SCADA that can be operated as switches.</p> <p>12) SCADA OH switches removed - 4</p>	Holly Wetman	4/8/2023	5/2/2023	5/1/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment																																										
202	CA/PA	Set WMP-16	Ca/PA_Set WMP-16	7	Ca/PA_Set WMP-16_Q7	<p>For each of the underground projects that PG&amp;E has planned for 2024, please answer the following questions on each project:</p> <ul style="list-style-type: none"> <li>a) How many SCADA underground switches will be installed in each circuit.</li> <li>b) How many overhead switches will be removed?</li> <li>c) How many switches to adjacent circuits currently exist?</li> <li>d) How many OH to switches to adjacent circuits will be removed?</li> <li>e) How many switches (OH or CG) will exist when the project is complete?</li> <li>f) How many SCADA overhead switches will be removed?</li> <li>g) How many SCADA underground switches will be installed as tie points to adjacent circuits?</li> <li>h) How many subsurface transformers will be installed for sectionalizing?</li> <li>i) How many post-mounted transformers will be installed?</li> <li>j) How many loads will be installed?</li> <li>k) How many junction boxes will be installed for sectionalizing?</li> <li>l) How many junction boxes will be installed as tie points to adjacent circuits?</li> <li>m) How many load break allows will be installed for sectionalizing?</li> <li>n) How many load break allows will be installed for sectionalizing?</li> <li>o) How many load break allows will be installed as tie points to adjacent circuits?</li> <li>p) How many hand break allows will be installed as tie points to adjacent circuits?</li> <li>q) How many hand break allows will be installed?</li> <li>r) How many hand break allows will be installed?</li> </ul>	<p>PG&amp;E objects to this request as overhead and on-duty transformers. We do not maintain the requested information in a format that allows it to be aggregated without a manual review of each project's engineering and construction documentation. Manually collecting the data across hundreds of projects would require significant time and resources and the development of multiple processes to ensure data accuracy. If you would like to discuss this request further, please feel free to reach out to us.</p>	Holly Wetman	4/8/2023	4/1/2023	4/1/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment																																										
203	CA/PA	Set WMP-16	Ca/PA_Set WMP-16	8	Ca/PA_Set WMP-16_Q8	<p>1.1.2.3. Distribution Pole Replacements and Reinforcements</p> <p>Phase 352 of PG&amp;E's WMP allows "Pole replacement and reinforcement reduce outage likelihood which decreases the chance of fire and area impacted in future PG&amp;E events. These programs also support public and employee safety because they improve the overall health of the distribution poles."</p> <p>Please provide the average, median, maximum and minimum age of poles that PG&amp;E:</p> <ul style="list-style-type: none"> <li>a) Replaced in 2020</li> <li>b) Replaced in 2021</li> <li>c) Replaced in 2022</li> <li>d) Replaced in 2023</li> <li>e) Replaced in 2022</li> </ul>	<p>a) The average, median, minimum and maximum age of poles (in years) replaced in 2020, 2021, and 2022 are as follows:</p> <table border="1"> <tr><td>2020</td><td>49</td></tr> <tr><td>2021</td><td>49</td></tr> <tr><td>Average</td><td>49</td></tr> <tr><td>Median</td><td>49</td></tr> <tr><td>Minimum</td><td>47</td></tr> <tr><td>Maximum</td><td>51</td></tr> </table> <p>b) The average, median, minimum and maximum age of poles (in years) replaced in 2021, 2022, and 2023 are as follows:</p> <table border="1"> <tr><td>2021</td><td>51</td></tr> <tr><td>2022</td><td>50</td></tr> <tr><td>Average</td><td>51</td></tr> <tr><td>Median</td><td>51</td></tr> <tr><td>Minimum</td><td>50</td></tr> <tr><td>Maximum</td><td>51</td></tr> </table> <p>c) PG&amp;E's form of pole repair discussed in Section 8.1.2.3 of the WMP is to reinforce the pole with a steel bush. As such, the age of poles provided below is specific to poles reinforced.</p> <p>2020, 2021, and 2022 are as follows:</p> <table border="1"> <tr><td>2020</td><td>2021</td><td>2022</td></tr> <tr><td>51</td><td>51</td><td>50</td></tr> <tr><td>Average</td><td>51</td><td>50</td></tr> <tr><td>Median</td><td>51</td><td>51</td></tr> <tr><td>Minimum</td><td>50</td><td>51</td></tr> <tr><td>Maximum</td><td>51</td><td>51</td></tr> </table>	2020	49	2021	49	Average	49	Median	49	Minimum	47	Maximum	51	2021	51	2022	50	Average	51	Median	51	Minimum	50	Maximum	51	2020	2021	2022	51	51	50	Average	51	50	Median	51	51	Minimum	50	51	Maximum	51	51	Holly Wetman	4/8/2023	5/5/2023	5/5/2023	0	NA	8.1.2.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
2020	49																																																									
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270	CAIQA	Sat WMP-19	CaIQA_Sat WMP-19	12	CaIQA_Sat WMP-19_012	<p>Attachment 1 to PG&amp;E's response to data request CAIQA/CAL/REG-2023/WMP-14 states that on November 18, 2019, an internal inspection indicated that a pole had 10% remaining strength. On January 14, 2020, the report issued a priority E log to replace the pole by January 13, 2021.</p> <p>Why was the log for the wire pole created approximately two months after the initial finding?</p> <p>Why were any actions that PG&amp;E took between November 18, 2019 and January 14, 2020 to address the safety of the pole noted above?</p> <p>Why was the log created with a one-year deadline based on the log creation date, rather than a deadline based on the date of the initial finding?</p> <p>Under PG&amp;E's current procedures and process, is the compliance deadline for a new log based on the log creation date or the date of the initial finding? Please explain your answer.</p> <p>Why is a priority E log the appropriate priority level in this instance? Why or why not?</p>	<p>a) The delay was due to this pole being internally inspected using our legacy inspection system, which did not release inspection records until the inspection project was closed, creating the administrative overhead associated with the change in the legacy inspection system. Inspection projects were closed with a final volume of poles (generally between 400 and 600 poles) and the project was closed. The project was closed and the poles were not inspected. Due to this issue and other constraints, it was not unusual for projects to remain open for multiple months.</p> <p>b) PG&amp;E's current procedures and process, is the compliance deadline for a new log based on the log creation date or the date of the initial finding? Please explain your answer.</p> <p>c) PG&amp;E's current procedures and process, is the compliance deadline for a new log based on the log creation date or the date of the initial finding? Please explain your answer.</p> <p>d) PG&amp;E's current procedures and process, is the compliance deadline for a new log based on the log creation date or the date of the initial finding? Please explain your answer.</p> <p>e) PG&amp;E's current procedures and process, is the compliance deadline for a new log based on the log creation date or the date of the initial finding? Please explain your answer.</p>	Holly Wettem	4/25/2023	4/28/2023	4/28/2023	0	NA	8.1.3.2.3	Asset Inspection	Internal Pole Inspectors
271	CAIQA	Sat WMP-19	CaIQA_Sat WMP-19	13	CaIQA_Sat WMP-19_013	<p>The PG&amp;E Independent Safety Member Status Update Report by Fluor Energy Partners on October 4, 2022, page 9 states:</p> <p>During the period, the ISM reviewed data provided by PG&amp;E related to PG&amp;E's Underground Transmission assets and the average age of certain PG&amp;E Underground Assets. For example, 60% of one type of underground transmission cable is beyond its useful life (UL).</p> <p>Footnote 18 states, "Internal PG&amp;E Report"</p> <p>Pages 10 of the ISM report further states, "PG&amp;E also states in an internal report published in May 2022 that underground transmission provides a low-risk score."</p> <p>a) Please provide a copy of the internal PG&amp;E report referenced in footnote 18.</p> <p>b) Please provide a copy of the internal PG&amp;E report referenced in footnote 18.</p>	<p>The confidential attorney's being provided pursuant to the accompanying confidentiality declaration.</p> <p>Please reference "WMP-2023/WMP-023_DR_CaIQA/CAL/REG-219-DQ1345678CONF" for our internal PG&amp;E presentation from May 2022.</p> <p>Specifically, the references are found on Slide number 18. We clarify that the phrase "useful life" refers to expected average useful life based on performance information. Actual condition of the assets such as their physical assessment, loading conditions, inspection results, etc. may adjust the useful life. The declaration was provided to show, on an expected basis, where the real need to focus the assessment asset remains affects.</p> <p>Please reference "WMP-2023/WMP-023_DR_CaIQA/CAL/REG-219-DQ1345678CONF" included in part (a) of this response.</p>	Holly Wettem	4/25/2023	4/28/2023	4/28/2023	1	NA	8.1.2.5	Grid Design and System Hardening	Traditional Overhead Hardening -Transmission Conductor and Distribution
272	CAIQA	Sat WMP-19	CaIQA_Sat WMP-19	14	CaIQA_Sat WMP-19_014	<p>On April 13, 2023, Cal Advocates met with a Senior Director of Grid Research, Innovation and Development at PG&amp;E. During the meeting, PG&amp;E stated that REFCO is not a scalable product.</p> <p>Can the above statement accurately reflect PG&amp;E's current assessment of REFCO? Please explain your answer.</p> <p>If the answer is part (a) or (b), please state the reasons why PG&amp;E believes REFCO is not a scalable product.</p>	<p>a) We will not evaluate REFCO technology in the EPIC2.15 demonstration project including field testing and getting operational experience. We expect to have final results by the end of 2023. Questions about further deployment of REFCO will be made after completion of the demonstration project with consideration for all wildfire risk mitigation available.</p> <p>b) Not applicable.</p>	Holly Wettem	4/25/2023	4/28/2023	4/28/2023	0	NA	8.1.1.3.1	Grid Design, Operations, and Maintenance	8.1.1.3.1 Rapid Earth Fault Current Limiter
273	CAIQA	Sat WMP-19	CaIQA_Sat WMP-19	15	CaIQA_Sat WMP-19_015	<p>Has PG&amp;E performed a study to estimate the combined effectiveness of one or more combinations of covered conductor, EPSS, DCO, P-2, and REFCO in mitigating wildfires, when installed on distribution circuits in the WFO? If the answer is part (a) or (b), please explain why not.</p> <p>If the answer is part (a) or (b), please explain why not.</p> <p>If the answer is part (a) or (b), please provide the results of PG&amp;E's analysis.</p> <p>If the answer is part (a) or (b), please provide the results of any such study, including any reports, webinars, development of the knowledge, and data regarding how these tools would work to mitigate wildfire risk.</p> <p>If the answer is part (a) or (b), please provide the results of any such study, including any reports, webinars, development of the knowledge, and data regarding how these tools would work to mitigate wildfire risk.</p> <p>If the answer is part (a) or (b), please provide the results of any such study, including any reports, webinars, development of the knowledge, and data regarding how these tools would work to mitigate wildfire risk.</p>	<p>a) PG&amp;E is actively analyzing the effectiveness of Covered Conductor (CC) in combination with EPSS and DCO/P-2. In addition, we are actively analyzing the effectiveness of these Covered Conductor (CC) in combination with EPSS and DCO/P-2. PG&amp;E is in the initial phases of these studies and will use the results to compare the effectiveness of CC and BC. As an added measure of response to mitigate a fire, we have not done any analysis on covered conductor. One aspect that the analysis has been completed to date is the removal of any combined mitigations. 2022 was the first year of in-service testing with CC. While DCO is not a mitigation measure, it is a wildfire prevention measure. PG&amp;E is currently developing the knowledge, and data regarding how these tools would work to mitigate wildfire risk.</p> <p>If the answer is part (a) or (b), please provide the results of any such study, including any reports, webinars, development of the knowledge, and data regarding how these tools would work to mitigate wildfire risk.</p> <p>If the answer is part (a) or (b), please provide the results of any such study, including any reports, webinars, development of the knowledge, and data regarding how these tools would work to mitigate wildfire risk.</p> <p>If the answer is part (a) or (b), please provide the results of any such study, including any reports, webinars, development of the knowledge, and data regarding how these tools would work to mitigate wildfire risk.</p>	Holly Wettem	4/25/2023	4/28/2023	4/28/2023	0	NA	8.1.2	Grid Design and System Hardening	Vegetation
274	CAIQA	Sat WMP-19	CaIQA_Sat WMP-19	16	CaIQA_Sat WMP-19_016	<p>Table 7 on page 20 of the Joint IOU Covered Conductor Working Group Report (CCWR) summarizes the combined effectiveness of the covered conductor program, asset inspections, and several vegetation management activities.</p> <p>Has PG&amp;E performed a similar analysis of the combined effectiveness of covered conductor, asset inspections, and vegetation management activities? If the answer is part (a) or (b), please explain why not.</p> <p>If the answer is part (a) or (b), please explain why not.</p> <p>If the answer is part (a) or (b), please explain why not.</p>	<p>a) PG&amp;E is actively analyzing the effectiveness of Covered Conductor (CC) in combination with EPSS and DCO/P-2. In addition, we are actively analyzing the effectiveness of these Covered Conductor (CC) in combination with EPSS and DCO/P-2. PG&amp;E is in the initial phases of these studies and will use the results to compare the effectiveness of CC and BC. As an added measure of response to mitigate a fire, we have not done any analysis on covered conductor. One aspect that the analysis has been completed to date is the removal of any combined mitigations. 2022 was the first year of in-service testing with CC. While DCO is not a mitigation measure, it is a wildfire prevention measure. PG&amp;E is currently developing the knowledge, and data regarding how these tools would work to mitigate wildfire risk.</p> <p>If the answer is part (a) or (b), please provide the results of any such study, including any reports, webinars, development of the knowledge, and data regarding how these tools would work to mitigate wildfire risk.</p> <p>If the answer is part (a) or (b), please provide the results of any such study, including any reports, webinars, development of the knowledge, and data regarding how these tools would work to mitigate wildfire risk.</p> <p>If the answer is part (a) or (b), please provide the results of any such study, including any reports, webinars, development of the knowledge, and data regarding how these tools would work to mitigate wildfire risk.</p>	Holly Wettem	4/25/2023	4/28/2023	4/28/2023	0	NA	Appendix D	Appendix D - Areas for Combined Improvement	AG PG&E-22-11 - Covered Conductor Effectiveness Lessons Learned
275	CAIQA	Sat WMP-20	CaIQA_Sat WMP-20	1	CaIQA_Sat WMP-20_01	<p>Describe PG&amp;E's standard practice for retiring an asset from service.</p> <p>Describe how PG&amp;E records the retirement of an asset from service.</p>	<p>a) Determine to retire an asset and "value" it from service as driven by various factors such as asset risk, condition, design usefulness, and capacity needs, and are determined by the asset manager of each asset family. Different programs establish varied processes for making decisions on when to retire an asset from service.</p> <p>As an example, in our distribution system hardening and the underground program, PG&amp;E follows TDSM/CM Chapter 15 requirements affected by "WMP-2023/WMP-023_DR_CaIQA/CAL/REG-219-DQ1345678CONF". The overhead assets are retired when they are replaced with new, hardened assets (either overhead or underground) based on PG&amp;E's standard practice for retiring an asset from service. The distribution model as described in the WMP.</p> <p>b) To record the retirement of the asset removed from the field as described in response to Subpart (a), the retired asset is administratively removed from the inventory section of PG&amp;E's asset register and work management system and placed in an inactive partition within the work management system where they can be accessed for reference only.</p> <p>c) PG&amp;E's standard practice for retiring an asset from service is to follow the standard process to document the work completed in the field, including removal of the existing asset. As part of this process, all bills may be sent with the asset's (modified from the original project design), submitted for mapping for utility data and asset management systems.</p>	Holly Wettem	4/26/2023	5/03/2023	5/03/2023	1	NA	8.1.5	Asset Management and Inspection Enterprise Systems	NA
276	CAIQA	Sat WMP-20	CaIQA_Sat WMP-20	2	CaIQA_Sat WMP-20_02	<p>In 2022, as part of its WMP system hardening activities, did PG&amp;E retire from service (i.e., retire, remove, destroy, or decommission) any assets that had not been fully depreciated at the time of retirement?</p> <p>Please describe how PG&amp;E records the retirement of assets during 2022 system hardening activities.</p>	<p>a) Not applicable. The assets retired as part of WMP system hardening activities (i.e., retire, remove, destroy, or decommission) any assets that had not been fully depreciated at the time of retirement.</p> <p>As such, there is no undepreciated value for the assets that were retired. Please refer to response to Question 005, Subpart (a) for additional information on group depreciation and retirement accounting.</p> <p>b) Please refer to Question 001, Subpart (a) - (b) of this Data Request Set. The retirement of assets during 2022 system hardening activities follows PG&amp;E's standard practice for retiring an asset from service.</p>	Holly Wettem	4/26/2023	5/03/2023	5/03/2023	0	NA	8.1.2	Grid Design and System Hardening	All
277	CAIQA	Sat WMP-20	CaIQA_Sat WMP-20	3	CaIQA_Sat WMP-20_03	<p>In 2023, as part of its WMP system hardening activities, does PG&amp;E intend to retire from service (i.e., retire, remove, destroy, or decommission) any assets that had not been fully depreciated at the time of retirement?</p> <p>Please describe how PG&amp;E records the retirement of assets during 2023 system hardening activities.</p>	<p>a) Not applicable. The assets to be retired as part of WMP system hardening activities (i.e., retire, remove, destroy, or decommission) any assets that had not been fully depreciated at the time of retirement.</p> <p>As such, there is no undepreciated value for the assets that will be retired. Please refer to our response to Question 001, Subpart (a) - (b) of this Data Request Set. The retirement of assets during 2023 system hardening activities follows PG&amp;E's standard practice for retiring an asset from service.</p>	Holly Wettem	4/26/2023	5/03/2023	5/03/2023	0	NA	8.1.2	Grid Design and System Hardening	All
278	CAIQA	Sat WMP-20	CaIQA_Sat WMP-20	4	CaIQA_Sat WMP-20_04	<p>What is PG&amp;E's standard practice for retiring assets that are retired from service before they are fully depreciated?</p>	<p>a) Not applicable. The assets to be retired as part of WMP system hardening activities (i.e., retire, remove, destroy, or decommission) any assets that had not been fully depreciated at the time of retirement.</p> <p>As such, there is no undepreciated value for the assets that will be retired. Please refer to our response to Question 001, Subpart (a) - (b) of this Data Request Set. The retirement of assets during 2023 system hardening activities follows PG&amp;E's standard practice for retiring an asset from service.</p>	Holly Wettem	4/26/2023	5/03/2023	5/03/2023	0	NA	8.1.5	Asset Management and Inspection Enterprise Systems	NA
279	CAIQA	Sat WMP-20	CaIQA_Sat WMP-20	5	CaIQA_Sat WMP-20_05	<p>Has PG&amp;E retired from service an asset that has not been fully depreciated, does it remove the remaining undepreciated value of the asset from its books?</p> <p>How does PG&amp;E determine the remaining undepreciated value of an asset that is not retired from service?</p> <p>Please describe any scenario in which PG&amp;E would retire from service an asset that is not retired from service, but would keep the remaining undepreciated value of the asset in its books.</p>	<p>a) PG&amp;E follows group depreciation and retirement accounting established by the CPUC, FERC, and the National Association of Regulatory Utility Commissioners (NARUC). Group depreciation accounting refers to the well-established regulatory accounting method for large groups of homogeneous assets. The process of group depreciation accounting principles (which may be referred to as "true asset accounting," or "group depreciation") is that assets within an inventory fully depreciated at the time of retirement, and hence their value in rate base going forward to zero. As such, there is no undepreciated value of WMP assets retired. PG&amp;E follows group depreciation practices, which are based on the average service life of segments of plant and equipment. The average age when we account the ages of assets whenever they retire (as removed from service) and computes the average. The average bill is recognized the same retirement cost before the average service life and other factors.</p> <p>b) PG&amp;E complies with the requirements of the FERC Code of Federal Regulations (CFR) Uniform System of Accounts when retiring assets. Title 18, Part 101 of the CFR states in 18.101-1 (Electric Transmission, section 101.202), that the average service life is the book cost of the asset less the accumulated depreciation. There is no change in the value of the asset when it is retired.</p> <p>c) The Commission's Standard Practice 14, Determination of Straight-Line Depreciation, Section 14.1, states that "the average service life (ASL) is the average service life of the asset less the accumulated depreciation expense due to further retirements is made up by depreciation expense on other assets, which raises the average service life of an account." As later explained in the Commission's SP 14.1.</p> <p>d) In group accounting all units having essentially identical characteristics or of units of an account are considered together. Accounts for the group are retired on a composite or weighted average basis of average and service life expectancy. The resulting value is applied to the remaining plant balances for each account period. A deficiency liability is established when the average service life of the asset is less than the average service life of the group.</p> <p>e) Please see the responses to Question 005, Subpart (a) for extended explanation.</p>	Holly Wettem	4/26/2023	5/03/2023	5/03/2023	0	NA	8.1.5	Asset Management and Inspection Enterprise Systems	NA
280	CAIQA	Sat WMP-20	CaIQA_Sat WMP-20	6	CaIQA_Sat WMP-20_06	<p>As of the date of this data request, does PG&amp;E's rate base currently include any portion of the value of any asset that has not been fully depreciated at the time of retirement?</p> <p>If the answer is part (a) or (b), please explain why not.</p> <p>If the answer is part (a) or (b), please explain why not.</p> <p>If the answer is part (a) or (b), please explain why not.</p>	<p>a) Not applicable, as described in subpart (a) of this response.</p> <p>b) PG&amp;E follows group depreciation and retirement accounting established by the CPUC, FERC, and the National Association of Regulatory Utility Commissioners (NARUC). As such, there is no undepreciated value of WMP assets retired in rate base or required costs. Please see the response to Question 005, Subpart (a) for extended explanation.</p>	Holly Wettem	4/26/2023	5/03/2023	5/03/2023	0	NA	8.1.5	Asset Management and Inspection Enterprise Systems	NA
281	CAIQA	Sat WMP-20	CaIQA_Sat WMP-20	7	CaIQA_Sat WMP-20_07	<p>In response to data request CAIQA/CAL/REG-2023/WMP-14, questions 20-22, PG&amp;E stated, "We cannot provide the requested data. Our asset registry and work execution systems are not set up to enable this cross-reference data compilation, and we do not track the volume of assets retired that have not been fully depreciated."</p> <p>Does PG&amp;E intend to retire from service an asset that has not been fully depreciated at the time of retirement?</p> <p>Please describe any scenario in which PG&amp;E would retire from service an asset that is not retired from service, but would keep the remaining undepreciated value of the asset in its books.</p>	<p>a) PG&amp;E follows group depreciation and retirement accounting established by the CPUC, FERC, and the National Association of Regulatory Utility Commissioners (NARUC). As such, there is no undepreciated value of WMP assets retired in rate base or required costs. Please see the response to Question 005, Subpart (a) for extended explanation.</p> <p>b) PG&amp;E follows group depreciation and retirement accounting established by the CPUC, FERC, and the National Association of Regulatory Utility Commissioners (NARUC). As such, there is no undepreciated value of WMP assets retired in rate base or required costs. Please see the response to Question 005, Subpart (a) for extended explanation.</p> <p>c) PG&amp;E follows group depreciation and retirement accounting established by the CPUC, FERC, and the National Association of Regulatory Utility Commissioners (NARUC). As such, there is no undepreciated value of WMP assets retired in rate base or required costs. Please see the response to Question 005, Subpart (a) for extended explanation.</p> <p>d) PG&amp;E follows group depreciation and retirement accounting established by the CPUC, FERC, and the National Association of Regulatory Utility Commissioners (NARUC). As such, there is no undepreciated value of WMP assets retired in rate base or required costs. Please see the response to Question 005, Subpart (a) for extended explanation.</p> <p>e) PG&amp;E follows group depreciation and retirement accounting established by the CPUC, FERC, and the National Association of Regulatory Utility Commissioners (NARUC). As such, there is no undepreciated value of WMP assets retired in rate base or required costs. Please see the response to Question 005, Subpart (a) for extended explanation.</p>	Holly Wettem	4/26/2023	5/03/2023	5/03/2023	0	NA	8.1	Grid Design, Operations, and Maintenance	Distribution Pole and Requirements Traditional Overhead Hardening Transformers















340	OEIS	004	OEIS_004	14	OEIS_004_014	<p>Regarding PG&amp;E's Use of Overhead Conductor Detection (OCD) and Partial Voltage Detection (PVD)</p> <p>a. Provide any analysis completed on reliability impacts due to OCD, including:</p> <ol style="list-style-type: none"> <li>The number of outages that occurred due to OCD in 2022 and 2023</li> <li>The number of outages broken down by cause based on ignition drivers listed in Table 6 of the QDR that occurred due to OCD in 2022 and 2023</li> <li>Criteria used for OCD enrollment (if applicable)</li> <li>The number of total customer minutes removed from OCD deployment</li> <li>Any mitigations PG&amp;E is using to reduce reliability impacts from OCD implementation, including lessons learned from any testing</li> </ol> <p>b. Provide any analysis completed on reliability impacts due to PVD, including:</p> <ol style="list-style-type: none"> <li>The number of outages that occurred due to PVD in 2022 and 2023</li> <li>The number of outages broken down by cause based on ignition drivers listed in Table 6 of the QDR that occurred due to PVD in 2022 and 2023</li> <li>Criteria used for PVD enrollment (if applicable)</li> <li>The number of total customer minutes removed from PVD deployment</li> <li>Any mitigations PG&amp;E is using to reduce reliability impacts from PVD implementation, including lessons learned from any testing</li> </ol> <p>c. When evaluating outages due to EPSS, are OCD and PVD outages included as part of that evaluation?</p> <p>d. If so, what is the number of additional outages caused by PVD and OCD respectively in 2022?</p> <p>e. If not, how does PG&amp;E account for and track any associated reliability and safety impacts from OCD and PVD implementation, and how does that inform change to the two programs?</p>	Colin Lang	5/4/2023	5/9/2023	5/9/2023	<p></p>
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345	TURN	012	TURN_012	2	TURN_012_02	<p>The table below lists the wildfire mitigation programs proposed in the WMP and the GRC for the years 2023-2025 and identifies differences between the two. The information provided below consists of a summary of longer discussions provided in either the WMP or the GRC.</p> <p>The population of wildfire mitigation programs includes:</p> <ul style="list-style-type: none"> <li>The WMP Comprehensive Monitoring and Data Collection Mileage (2023-2025 WMP, R1, pages 26-28);</li> <li>The WMP Operational Mileage (2023-2025 WMP, R1, pages 28-31);</li> <li>The WMP System Resilience Mileage (2023-2025 WMP, R1, pages 27-31);</li> <li>Wildfire mitigation included in PG&amp;E's Fall Year (FY) 2022 GRC and included in the 2023-2025 WMP.</li> </ul> <p>The difference in the table describes items that wildfire mitigation programs continue to evolve from the time we first had a 2023 GRC (June 30, 2021) to when we submitted for 2023-2025 WMP. Most of the wildfire mitigation programs in FY 2023 GRC are included in the 2023-2025 WMP. The table shows that there are some differences between the 2023-2025 WMP and the 2023 GRC.</p> <p>From Fall 2020 (when PG&amp;E developed our GRC forecasts) through early 2022 (when we submitted for 2023-2025 WMP), we have been working on several wildfire mitigation programs such as Enhanced Vegetation Management (EVM) and reducing a risk to our system. We have been working on several wildfire mitigation programs in the highest risk areas of the High Fire Threat Districts (HFTD) and the High Fire Threat Districts (HFTD). PG&amp;E selected the areas for mitigation, an assessment from risk models was updated and/or we learned more about the interactions of combined mitigation strategies. For example, in the GRC, PG&amp;E noted that an observed trend, 110 remote covered SCADA monitoring devices each year between 2023 and 2026, but that plans could change pending results of our assessment to address the state of Motor Switch Operator (MSO) and integration with other enhanced automation and wildfire mitigation efforts.</p> <p>Wildfire Mitigation Program Description 2023-2025 WMP 2023 GRC Comprehensive Monitoring and Data Collection Mileage Detailed Asset Inspections</p>	Tom Long	5/8/2023	5/12/2023	5/12/2023	0	NA	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
346	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	1	CPUC - SPD (Safety Policy Division)_004_01	<p>Provide updated CPUC-reportable system data. SPD current data set is updated for 2014-2021. The content is an aggregated data set based on the data found here, under Fire Ignition Data. WSPS is requesting an updated data set to include four potential items:</p> <ol style="list-style-type: none"> <li>1) SPD generally understands that some systems may have been excluded at the time the data was submitted if the cause of the fire was unclear.</li> <li>2) Data may have been considered as additional information not accepted.</li> <li>3) Data may have been entered inconsistently between years which makes it difficult to perform analysis.</li> <li>4) Update the data to the actual number of acres burned rather than a range of acres.</li> </ol> <p>Before submitting final agreement data to WSPS, please set up a conference to discuss the ignition data available and the potential ways the data may be formatted to be more useful to WSPS.</p>	Henry Sweet	5/8/2023	5/19/2023	5/17/2023	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increase in Risk Events
347	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	2	CPUC - SPD (Safety Policy Division)_004_02	<p>In addition to the data requested above, please add the following data columns for each ignition:</p> <ol style="list-style-type: none"> <li>1) "HFTD": Classify each ignition as whether it was located in a "Zone 1", "Zone 2", or "Zone 3" or "NonHFTD".</li> <li>2) "Fire Potential Index": Provide the Fire Potential Index for the location on the day of each ignition.</li> </ol>	Henry Sweet	5/8/2023	5/19/2023	5/17/2023	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increase in Risk Events
348	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	3	CPUC - SPD (Safety Policy Division)_004_03	<p>Provide the total number of circuit mile-days for each Fire Potential Index rating per year starting in 2014.</p>	Henry Sweet	5/8/2023	5/19/2023	5/17/2023	0	NA	8.3.6	Statistical Awareness and Forecasting	Fire Potential Index
349	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	4	CPUC - SPD (Safety Policy Division)_004_04	<p>Provide the total number of days per year for each Fire Potential Index rating for each Fire Index Area starting in 2014.</p>	Henry Sweet	5/8/2023	5/19/2023	5/17/2023	0	NA	8.3.6	Statistical Awareness and Forecasting	Fire Potential Index
350	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	5	CPUC - SPD (Safety Policy Division)_004_05	<p>Provide the total number of circuit mile-days for each Fire Potential Index rating in the HFTD per year starting in 2014.</p>	Henry Sweet	5/8/2023	5/19/2023	5/17/2023	0	NA	8.3.6	Statistical Awareness and Forecasting	Fire Potential Index
351	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	6	CPUC - SPD (Safety Policy Division)_004_06	<p>Explain how the ability to normalize for the effect of weather and fuel conditions when understanding its performance each year on systems relate to changing weather and fuel conditions year over year.</p>	Henry Sweet	5/8/2023	5/19/2023	5/17/2023	0	NA	8.3.6	Statistical Awareness and Forecasting	Fire Potential Index
352	CAIWA	Set WMP-24	CAIWA_Set WMP-24_01	1	CAIWA_Set WMP-24_01	<p>In reference to your response to Question 11 of DR CAIRCA-PGE-2023WMP-16, on the excel spreadsheet WMP-Discovery_2023_DR_018-Q011A001.</p> <ol style="list-style-type: none"> <li>a) Please identify the circuit miles that are to be converted to GIS conversion projects that have no adjacent circuit miles.</li> <li>b) On tabs (f) and (g), please identify the adjacent circuit miles that are to the circuits with CH1 to CH3 conversion projects (f) and (g) through (j).</li> </ol>	Holly Wetman	5/8/2023	5/12/2023	5/12/2023	2	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
353	MGRA	Data Request No. 5	MGRA_Data Request No. 5_01	1	MGRA_Data Request No. 5_01	<p>Is the POI data source of the POI data the machine learning algorithm described in WDRM documentation? If not what other steps go into the POI?</p>	Joseph Mihal	5/10/2023	5/15/2023	5/15/2023	0	NA	6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Generate Maps of Top Risk Areas Within the HFTD Proposed Updates to HFTD
354	MGRA	Data Request No. 5	MGRA_Data Request No. 5_02	2	MGRA_Data Request No. 5_02	<p>Is the fire-grained POI distribution a result of the localization of specific historical outages, characteristics of assets or environment, or both?</p>	Joseph Mihal	5/10/2023	5/15/2023	5/15/2023	0	NA	6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Generate Maps of Top Risk Areas Within the HFTD Proposed Updates to HFTD
355	MGRA	Data Request No. 5	MGRA_Data Request No. 5_03	3	MGRA_Data Request No. 5_03	<p>What of the following characteristics is known or expected to contribute to the fire-grained localization of POI shown above, and to what degree?</p> <ol style="list-style-type: none"> <li>1) Tree density and height</li> <li>2) Aspect</li> <li>3) Aspect type</li> <li>4) Aspect slope</li> <li>5) Aspect orientation</li> </ol>	Joseph Mihal	5/10/2023	5/15/2023	5/15/2023	0	NA	6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Generate Maps of Top Risk Areas Within the HFTD Proposed Updates to HFTD



372	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	1	CPUC - SPD (Safety Policy Division)_005_01	<p>1.Regarding costs inherent in PG&amp;E's undergrounding grid hardening mitigation initiative projects, used in calculating cost efficiency and project viability as described in the 2022-2023 WMP (p. 245 and p. 268), is there any backlog forward?</p> <p>2.What is the average cost per circuit mile for undergrounding in 2022, 2021, and 2020, in the HFTD, non-HFTD, and tertiary wires?</p> <p>3.What is the average cost per circuit mile expected in 2023, 2024, and 2025, in the HFTD, non-HFTD, and tertiary wires? If appropriate, and if explain expected average year-over-year cost changes.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<p><a href="https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf">https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf</a></p>	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
373	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	2	CPUC - SPD (Safety Policy Division)_005_02	<p>2.Provide the utility's cost estimate breakdown for undergrounding per mile. Provide the cost estimate in a commonly used cost estimating format (e.g., Uniform). If the utility uses a different format, provide internal documentation on that format so SPD can understand the cost estimate.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<p><a href="https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf">https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
374	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	3	CPUC - SPD (Safety Policy Division)_005_03	<p>3.How is PG&amp;E incorporating subsurface variability (e.g., encountering hard rock, slips, 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	<p><a href="https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf">https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
375	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	4	CPUC - SPD (Safety Policy Division)_005_04	<p>4.PG&amp;E has stated that CallFire trench depth requirements exceeded PG&amp;E trench depth requirements. How has this impacted costs and planning? For planning purposes, what percentage of anticipated underground circuit miles will be impacted by the CallFire trench depth requirements for 2023-2025?</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<p><a href="https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf">https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
376	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	5	CPUC - SPD (Safety Policy Division)_005_05	<p>5.How does service life impact cost calculation?</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<p><a href="https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf">https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
377	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	6	CPUC - SPD (Safety Policy Division)_005_06	<p>6.What is the estimated multiplier for conversion from overhead (OH) line to underground (UG) line (e.g., 1.25 line OH converts to 1.50 line UG)? Why was this conversion rate derived? 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	<p><a href="https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf">https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
378	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	7	CPUC - SPD (Safety Policy Division)_005_07	<p>7.On pilot projects completed to date:          a)What is the total all-in cost per mile?          b)What is the breakdown of project costs per mile? SPD requests to see the following components inside of the costs, although SPD understands they may not be broken down in this exact format:          -Sourcing (e.g., primary line, secondary line, service drop)          -Design (e.g., labor, materials, other costs)          -Construction (e.g., permits, contracts, long-lead materials)          -Other (e.g., third payments to homeowners as homeowners may complete work such as landscaping or road repair)</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<p><a href="https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf">https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
379	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	8	CPUC - SPD (Safety Policy Division)_005_08	<p>8.Please provide WMP-Discovery2023_DR_TURN_007-Q001A01CONF.xlsx, used to address TURN Data Request 7, Question 1, discussing RSE calculation for system hardening.</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<p><a href="https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf">https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf</a></p>	1	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
380	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	9	CPUC - SPD (Safety Policy Division)_005_09	<p>9.On page 161 of the 2022-2023 WMP, PG&amp;E states that the WDM&amp;A ignition source is "PG&amp;E's Historical Ignition Data, 2015-2021" (approximately 2,500 CPUC-reportable ignitions and approximately 1,900 non-reportable ignitions).          a)Describe how PG&amp;E is using the 1,900 non-CPUC-reportable ignitions in its risk modeling.          b)Provide the 1,900 non-CPUC-reportable ignition data in a spreadsheet in format similar to the existing CPUC-reportable ignition data (see DR_SPD_PG&amp;E_2023_004 and WDM&amp;A and Wireless Safety (ag), under Fire System Data).</p>	Kevin Miller	5/15/2023	6/12/2023	6/12/2023	<p><a href="https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf">https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf</a></p>	0	NA	8.2.1	Risk Methodology and Assessment	Risk and Risk Component Identification
381	CPUC - SPD (Safety Policy Division)	006	CPUC - SPD (Safety Policy Division)_006	1	CPUC - SPD (Safety Policy Division)_006_01	<p>1.After it was pointed out by SPD that there appeared to be a discrepancy in the methodologies used to calculate the site mitigation effectiveness of EP&amp;S, Undergrounding and Covered Conductors (U&amp;CC), PG&amp;E issued the U&amp;CC problem tree "main" mitigation effectiveness as the effectiveness based on empirical data and crew U&amp;CC calculations. EP&amp;S in the second report is based on empirical data, and that U&amp;CC is the best-matched mitigation effectiveness as it based upon a SME judgement. PG&amp;E agreed to update its undergrounding mitigation effectiveness percentage calculation to account for secondary service drop ignitions.          a)Provide this analysis per update on when this analysis will be finished and submit the analysis if it is finished.</p>	Kevin Miller	5/17/2023	5/23/2023	5/23/2023	<p><a href="https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf">https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf</a></p>	0	NA	8.1.8.1.1	Grid Design, Operations, and Maintenance	Protective Equipment and Device Settings
382	CPUC - SPD (Safety Policy Division)	006	CPUC - SPD (Safety Policy Division)_006	2	CPUC - SPD (Safety Policy Division)_006_02	<p>2.PG&amp;E asserted that PG&amp;E is addressing the risk from secondary lines and service drops in part by replacing the secondary wires with overhead conductor and covered conductors (U&amp;CC) response. Question 4 of SPD_PG&amp;E_2024_003 for additional description. PG&amp;E also stated that there may need to be a secondary wire in the U&amp;CC mitigation response. PG&amp;E only wants to apply to primary lines not that with U&amp;CC wires. PG&amp;E wants to clarify this information in its message?</p>	Kevin Miller	5/17/2023	5/23/2023	5/23/2023	<p><a href="https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf">https://www.pge.com/globalcommunities/~/media/communications/undergrounding/2023-05-15-CPUC-SPD-005.pdf</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution







397	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	4	CPUC - SPD (Safety Policy Division)_004	<p>CPUC provides means to verify message receipt to Table 8-49: PG&amp;E's Protocols for Emergency Communication to Stakeholder Groups. How accurate is the receipt information with regard to verifying messages (e.g., including but not limited to, messages not being sent to a new number or persons no longer in the household)?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	<p><a href="https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009">https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009</a></p>	0	NA	8.4.4.1	Emergency Preparedness	Protocols for Emergency Communications
398	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	5	CPUC - SPD (Safety Policy Division)_005_05	<p>CPUC issues notifications to APNMB responders. How does PG&amp;E know that these notifications are received and that contact information is up to date? How does PG&amp;E have a way to continuously/periodically verify that the contact information files is current to help ensure such important notices are being received by the intended recipient?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	<p><a href="https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009">https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009</a></p>	0	NA	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
399	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	6	CPUC - SPD (Safety Policy Division)_009_06	<p>CPUC requires pandemic pandemic engagement. Does PG&amp;E have data comparing pre-pandemic engagement to pandemic pandemic engagement efforts and among other things, identifying if for pandemic, are there restrictions regarding non-APNMB and APNMB?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	<p><a href="https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009">https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009</a></p>	0	NA	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
400	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	7	CPUC - SPD (Safety Policy Division)_009_07	<p>CPUC asks that if an APN customer does not answer the door, the notification is considered a successful door hanger is left. What industry best practices is PG&amp;E following that classifies a door hanger as a successful notification?</p>	Kevin Miller	6/20/2023	6/8/2023	6/7/2023	<p><a href="https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009">https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009</a></p>	0	NA	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
405	CaPA	Set WMP-26	CaPA_Set WMP-26	1	CaPA_Set WMP-26_01	<p>(a) Please describe your general process or strategy for developing load forecasts. (b) Do you have a written process or procedure for developing load forecasts? (c) If the answer to (b) is "yes," provide a copy. (d) If the answer to (b) is "no," explain why not.</p>	Holly Wetteman	7/27/2023	8/10/2023	8/10/2023	<p><a href="https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009">https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009</a></p>	2	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
406	CaPA	Set WMP-26	CaPA_Set WMP-26	2	CaPA_Set WMP-26_02	<p>(a) Do you consider load growth projections when you determine which system hardening measures to deploy for wildfire mitigation projects? (b) If the answer to (a) is "yes," explain how load growth projections influence your mitigation selection process. (c) If the answer to (a) is "no," explain why not.</p>	Holly Wetteman	7/27/2023	8/10/2023	8/10/2023	<p><a href="https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009">https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
407	CaPA	Set WMP-26	CaPA_Set WMP-26	3	CaPA_Set WMP-26_03	<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 (e.g., including, when appropriate, possible load growth are considered).</p>	Holly Wetteman	7/27/2023	8/10/2023	8/10/2023	<p><a href="https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009">https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
408	CaPA	Set WMP-26	CaPA_Set WMP-26	4	CaPA_Set WMP-26_04	<p>(a) In a typical bare conductor to covered conductor conversion project, is the intention to maintain, increase, or decrease the load capacity of peak operating temperatures? (b) Explain the reasoning for your response to part (a).</p>	Holly Wetteman	7/27/2023	8/10/2023	8/10/2023	<p><a href="https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009">https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
409	CaPA	Set WMP-26	CaPA_Set WMP-26	5	CaPA_Set WMP-26_05	<p>(a) Are all new covered conductor installation projects designed to accommodate loads greater than current capacity for the same circuit? (b) If the answer to (a) is "yes," explain how. (c) If the answer to (a) is "no," explain why not.</p>	Holly Wetteman	7/27/2023	8/10/2023	8/10/2023	<p><a href="https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009">https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
410	CaPA	Set WMP-26	CaPA_Set WMP-26	6	CaPA_Set WMP-26_06	<p>(a) Are all overhead to underground conductor conversion projects designed to accommodate loads greater than current capacity for the same circuit? (b) If the answer to (a) is "yes," explain how. (c) If the answer to (a) is "no," explain why not.</p>	Holly Wetteman	7/27/2023	8/10/2023	8/10/2023	<p><a href="https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009">https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution
411	CaPA	Set WMP-26	CaPA_Set WMP-26	7	CaPA_Set WMP-26_07	<p>Describe the challenges or advantages enabled in increasing load capacity on a circuit that has previously been hardened with covered conductor.</p>	Holly Wetteman	7/27/2023	8/10/2023	8/10/2023	<p><a href="https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009">https://www.pge.com/cgi-bin/external/CPUC/CPUC%20-%20Safety%20-%20Policy%20-%20Division%20-%20009</a></p>	0	NA	8.1.2.2	Grid Design and System Hardening	Underpinning of Electric Lines and/or Equipment - Distribution

412	CaPA	Sat WMP-26	CaPA_Sat WMP-26	8	CaPA_Sat WMP-26_08	Describe the challenges or advantages related to increasing load capacity on a circuit that has previously been hardened with underground conductors.	The challenges or advantages associated with increasing capacity on an underground electric distribution system will differ depending on whether the underground system was built recently or in the past under different engineering and design standards. Based on current design standards and practices, it is likely that recent underground projects include physical capacity to support forecasted load growth in the areas that spare conductors or larger cables may have already been installed. However, if load capacity above the design of a recently built underground system is required, then additional cables systems and enclosures would likely need to be installed. In these cases, digging new existing underground infrastructure can be more difficult than creating new cables that can be laid through the ground surface. For additional enclosures may be challenging. Lastly, in some limited cases, a higher capacity compact cable could be laid through the ground surface to support additional load growth without having to do additional trenching or installing additional conductors. Load capacity needs to increase on an underground system but within our current engineering and design standards. The primary problem of increasing capacity on the load of the existing underground system, if the existing conductors are compromised then it may be difficult to do that. An upgrade of the existing conductors to larger wire size increases would be required involving installing new conductors and, potentially, new enclosures as well. In some compact cable projects, it may be possible to pull new cable through that conduct to facilitate some load growth without significant trenching.	Holly Wetman	7/27/2023	8/10/2023	8/10/2023	<a href="https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-26_08.pdf">https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-26_08.pdf</a>	0	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment – Distribution
413	CaPA	Sat WMP-26	CaPA_Sat WMP-26	9	CaPA_Sat WMP-26_09	Provide a list of all circuits in your system. For each circuit, provide: a) Circuit ID Number b) Peak load in Amps observed since January 1, 2014. c) Circuit Capacity in Amps	The attachment to this response contains confidential material and is provided pursuant to the accompanying confidentiality declaration. In this response, PG&E provides the requested data for the distribution circuits in our system. As agreed to, we plan to implement this response with available data for the transmission circuits by Thursday, August 24, 2023. Please see "WMP-Discovery2023_DR_California_CIS-Q000A0101 CONP.xlsx" for a list of distribution circuits (Judges (a)), 2022 peak load (Judges (b)), and their capacity (Judges (c)). The list of circuits include only those circuit included in the distribution planning process. Single customer circuits, tie cables, and other circuits are not included. The 2022 data was obtained from SCADA instrumentation at distribution substations in lieu of the annual load forecast process. The data was obtained by Distribution Engineers to exclude switching equipment and associated equipment with AM data when SCADA data was not present. Please note, peak loads prior to 2022 are, in some instances, no longer relevant because circuit reconfigurations have occurred. In other words, the set of customers presently served by the circuit may not be the same set of customers served by the circuit in previous years. Please note, confidential load data that could reveal individual customer loading is included in (b). Please note, we do not model the secondary system nor record secondary distribution loading.	Holly Wetman	7/27/2023	8/17/2023	8/17/2023	<a href="https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-26_09.pdf">https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-26_09.pdf</a>	1	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment – Distribution
413	CaPA	Sat WMP-26	CaPA_Sat WMP-26	991	CaPA_Sat WMP-26_991	Provide a list of all circuits in your system. For each circuit, provide: a) Circuit ID Number b) Peak load in Amps observed since January 1, 2014. c) Circuit Capacity in Amps	The attachment to this response contains confidential material and is provided pursuant to the accompanying confidentiality declaration. In this response, PG&E provides the requested data for the PG&E owned and transmission circuits in our system that are calculated from telemetry and included in the Energy Management System (EMS). Please note, we did not include information that did not match between PG&E's GIS system and the CAISO Transmission Register because the GIS system information includes sub-distribution, tie, tie-in, or removed lines. Please see "WMP-Discovery2023_DR_California_CIS-Q000A0101 CONP.xlsx" for a list of transmission circuits (Judges (a)), 2022 peak load (Judges (b)), and their capacity (Judges (c)). Where available, we included the highest telemetered peak value for all the segments of all phases of each segment. Where telemetered values were not available, the telemetered readings were selected with the highest reading in the same manner. Please note, peak loads prior to 2022 are, in some instances, no longer relevant because circuit reconfigurations have occurred. In other words, the set of customers presently served by the circuit may not be the same set of customers served by the circuit in previous years. Additionally, blanks in the data are indicate the circuit could not be matched to EMS as an associated circuit. All rated circuits have at least four rating types that represent Summer Normal (SN), Normal Emergency (SE), Winter Normal (WN), and Winter Emergency (WE) ratings. In cases where peak loading exceeds normal capacity, it is likely that an emergency condition was present. Please see below for the definition of rating type terms: Normal Ampacity: The absolute continuous load that can be carried under normal ambient operating temperatures. Emergency Ampacity: Maximum load permitted for short duration in emergencies (usually that the usage of the facilities, emergency loading is limited to three hours per day and should not exceed a total time of 100 hours in one year. PG&E also notes that it is not required to maintain the emergency in the form presented in "WMP-Discovery2023_DR_California_CIS-Q000A0101 CONP.xlsx" during the normal day of business. These cases are reflected separately in response to Judges 991a and 991b.	Holly Wetman	8/22/2023	8/24/2023	8/24/2023	<a href="https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-26_991.pdf">https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-26_991.pdf</a>	1	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment – Distribution
414	CaPA	Sat WMP-26	CaPA_Sat WMP-26	10	CaPA_Sat WMP-26_10	Provide updated GIS layers of primary distribution, secondary distribution, and transmission lines, with the following attributes: a) Circuit ID Number b) Peak load in Amps observed since January 1, 2014. c) Circuit Capacity in Amps	The attachment to this response contains confidential material and is provided pursuant to the accompanying confidentiality declaration. Please refer to "WMP-Discovery2023_DR_California_CIS-Q000A0101 CONP.xlsx" for the requested GIS attributes for our primary distribution system. Line section attributes may include additional circuit and other information in QGIS. The list of circuits in QGIS includes only those circuits that are situated at part the distribution planning process. Single customer circuits, tie cables, and other circuits are not included. Please note, this attachment contains confidential information. Also, we do not model the secondary distribution system, nor record secondary distribution loading. As agreed to, PG&E will provide a response to the portion of this request related to transmission data in response to Judges 10a and 10b.	Holly Wetman	7/27/2023	8/17/2023	8/17/2023	<a href="https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-26_10.pdf">https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-26_10.pdf</a>	1	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment – Distribution
414	CaPA	Sat WMP-26	CaPA_Sat WMP-26	10a)	CaPA_Sat WMP-26_10a)	Provide updated GIS layers of primary distribution, secondary distribution, and transmission lines, with the following attributes: a) Circuit ID Number b) Peak load in Amps observed since January 1, 2014. c) Circuit Capacity in Amps	The attachment to this response contains confidential material and is provided pursuant to the accompanying confidentiality declaration. Please refer to "WMP-Discovery2023_DR_California_CIS-Q000A0101 CONP.xlsx" for the requested GIS attributes for PG&E's transmission system. Please note, "tiers" identified in "WMP-Discovery2023_DR_California_CIS-Q000A0101 CONP.xlsx" are not represented with the information in this Data Request set for additional context regarding the transmission peak load and circuit load data provided in "WMP-Discovery2023_DR_California_CIS-Q000A0101 CONP.xlsx".	Holly Wetman	7/27/2023	8/24/2023	8/24/2023	<a href="https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-26_10a).pdf">https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-26_10a).pdf</a>	1	NA	8.1.2.2	Grid Design and System Hardening	Underground of Electric Lines and/or Equipment – Distribution
415	CaPA	Sat WMP-27	CaPA_Sat WMP-27	1	CaPA_Sat WMP-27_01	The article states the following: The California utility company PG&E spent about \$2.5 billion on a yearlong effort aimed at reducing wildfire risk by cutting or clearing more than a million trees growing alongside power lines. I now say that work was largely ineffective and is undermining the program, according to an internal analysis reviewed by The Wall Street Journal and interviews with utility executives.	PG&E did not say that the work was largely ineffective. PG&E provided the following memo to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discovery2023_DR_California_CIS-Q000A0101 CONP.xlsx". (a) Please see part (a) (1). The materials were shared July 25, 2023. (b) Not applicable. (c) Please see part (a).	Holly Wetman	8/4/2023	8/18/2023	8/18/2023	<a href="https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-27_01.pdf">https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-27_01.pdf</a>	1	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
416	CaPA	Sat WMP-27	CaPA_Sat WMP-27	2	CaPA_Sat WMP-27_02	The article states the following: The California utility company PG&E spent about \$2.5 billion on a yearlong effort aimed at reducing wildfire risk by cutting or clearing more than a million trees growing alongside power lines. I now say that work was largely ineffective and is undermining the program, according to an internal analysis reviewed by The Wall Street Journal and interviews with utility executives.	PG&E did not say that the work was largely ineffective. PG&E provided the following memo to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discovery2023_DR_California_CIS-Q000A0101 CONP.xlsx". (a) Please see part (a) (1). The materials were shared July 25, 2023. (b) Not applicable. (c) Please see part (a).	Holly Wetman	8/4/2023	8/18/2023	8/18/2023	<a href="https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-27_02.pdf">https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-27_02.pdf</a>	1	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
417	CaPA	Sat WMP-27	CaPA_Sat WMP-27	3	CaPA_Sat WMP-27_03	The article states the following: PG&E now says that work was largely ineffective and is undermining the program, according to an internal analysis reviewed by The Wall Street Journal and interviews with utility executives.	PG&E did not say that the work was largely ineffective. PG&E provided the following memo to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discovery2023_DR_California_CIS-Q000A0101 CONP.xlsx". Please see the recording of the interview. Please see attachment "WMP-Discovery2023_DR_California_CIS-Q000A0101 CONP.xlsx". (a) Please see part (a) (1). The materials were shared July 25, 2023. (b) Not applicable. (c) Please see part (a).	Holly Wetman	8/4/2023	8/18/2023	8/18/2023	<a href="https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-27_03.pdf">https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-27_03.pdf</a>	0	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
418	CaPA	Sat WMP-27	CaPA_Sat WMP-27	4	CaPA_Sat WMP-27_04	The article states the following: The California utility giant says the program, which involved creating wide swaths between live wires and potentially reducing tree density by 15% reduction in ignitions during spring when fire risk is highest, typically in autumn according to the company's internal analysis.	PG&E did not say that the work was largely ineffective. PG&E provided the following memo to WSJ: However, PG&E does not know how they were used by WSJ. Please see attachment "WMP-Discovery2023_DR_California_CIS-Q000A0101 CONP.xlsx". (a) Please see part (a) (1). The materials were shared July 25, 2023. (b) Not applicable. (c) Please see part (a).	Holly Wetman	8/4/2023	8/18/2023	8/18/2023	<a href="https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-27_04.pdf">https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-27_04.pdf</a>	2	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
419	CaPA	Sat WMP-27	CaPA_Sat WMP-27	5	CaPA_Sat WMP-27_05	In response to data request California PG&E 2023WMP-14, question 5, on April 17, 2023, PG&E stated that it expected to complete the Substation Annual Assessment Effectiveness Study by July 15, 2023.	We have not yet completed our Substation Annual Assessment Effectiveness Study in partnership with Electric Power Research Institute (EPRI). (a) Not applicable. (b) The EPRI study will incorporate industry benchmark data, which is taking longer than expected. Completion is expected by Q1 of 2024.	Holly Wetman	8/4/2023	8/18/2023	8/18/2023	<a href="https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-27_05.pdf">https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-27_05.pdf</a>	0	NA	8.1.2.1.2	Grid Design and System Hardening	Other Technologies and Systems – Substation Annual Assessment
420	CaPA	Sat WMP-27	CaPA_Sat WMP-27	6	CaPA_Sat WMP-27_06	In response to data request TURN-P&E-3, question 2, on April 10, 2023, PG&E stated the following: Additionally, we are in the process of finding a study that is planned to be completed by June 30, 2023. This study will assess the conductor reliability improvements at locations that have been undergrounded and/or have been hardened with conductor.	(a) We have not yet completed the above referenced study. (b) Not applicable. (c) PG&E currently expects to complete the study in October 2023.	Holly Wetman	8/4/2023	8/18/2023	8/18/2023	<a href="https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-27_06.pdf">https://www.pge.com/gov/about/communications/infrastructure/underground-distribution/0203CaPA_Sat_WMP-27_06.pdf</a>	0	NA	NA	NA	NA



432	CaPA	Set WMP-28	CaPA_Set WMP-28	11	CaPA_Set WMP-28_011	<p>RN-POE-23-04 Footnote 16 on page 52 of POE's response states "POE will develop a risk spread efficiency by isolation zone bands and not for individual tags. We will identify groupings of EC notifications in isolation zones similar to a circuit protection zone and sum the additive risk of those notifications. That can will be divided by the sum of the average cost of those same notifications to get a risk spread efficiency by isolation zone bands." a) How will POE determine the additive risk of individual notifications? b) How will POE determine the cost of individual notifications?</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
433	CaPA	Set WMP-28	CaPA_Set WMP-28	12	CaPA_Set WMP-28_012	<p>RN-POE-23-04 POE states that an isolation zone is "similar to a circuit protection zone" (footnote 16 on page 52). a) Describe the "isolation zone." b) Is an isolation zone identical to a circuit protection zone? c) If the answer to part (b) is no, describe the difference.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
434	CaPA	Set WMP-28	CaPA_Set WMP-28	13	CaPA_Set WMP-28_013	<p>RN-POE-23-04 Page 55 of POE's response states, with respect to field safety assessments, "inspectors can also recommend a notification be cancelled if they believe there is no need for it to be immediately cancelled." a) Describe the process by which an inspector performing a field safety assessment can recommend a notification be cancelled. b) If an inspector performing a field safety assessment recommends that a notification be cancelled, do you routinely check or re-evaluate those areas prior to cancelling the notification? c) If the answer to part (b) is yes, describe such additional checks or verifications. d) If the answer to part (b) is no, explain why not.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
435	CaPA	Set WMP-28	CaPA_Set WMP-28	14	CaPA_Set WMP-28_014	<p>RN-POE-23-04 Table RN-POE-23-04-6 on page 59 of POE's response estimates POE will reduce 10,200 low level tags in 2023, 8,400 low level tags in 2024, and 50,100 low level tags in 2025. a) State the basis for the reduced number of low level tags POE forecasts being created in 2024 and 2025 compared to 2023. b) During a field validation of an open EC notification, which can occur during a systems inspection or field safety assessment, inspectors can recommend that a notification be cancelled by selecting this option in the Inspect App when they are in the field. If this option is selected, inspectors are then required to enter comments and attach at least two images that show the current condition of the asset. c) Yes, additional checks or verifications take place. Under POE's current practice, if a notification is cancelled, then an independent review and additional performance monitoring (CPX) will be required for that tag. d) Quantify the performance monitoring (CPX) that will be required for that tag. e) Describe the process by which an inspector performing a field safety assessment can recommend a notification be cancelled, and how the system will be monitored to ensure the notification is cancelled. f) Describe the process by which an inspector performing a field safety assessment can recommend a notification be cancelled, and how the system will be monitored to ensure the notification is cancelled.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
436	CaPA	Set WMP-28	CaPA_Set WMP-28	15	CaPA_Set WMP-28_015	<p>RN-POE-23-04 Page 53 of POE's response states, "For example, we have found certain topics (e.g., topics within two feet of an isolator, and number of isolator per area) do not pose an increased risk of ignition, instead of leaving a non-potential risk management tag, the actions are better addressed by the asset management team as they are a potential indicator of a holistic asset health issue." a) Describe how the asset management team will address a maintenance tag not in isolation. b) Describe the conditions under which POE would repair isolator tags that are not in isolation and therefore do not have a maintenance tag. c) How does POE's asset management team use isolator as an indicator of "holistic asset health" and under what circumstances does the asset management team use action based on the isolator?</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.8	Grid Operations and Procedures	NA
437	CaPA	Set WMP-28	CaPA_Set WMP-28	16	CaPA_Set WMP-28_016	<p>RN-POE-23-04 Page 68 of POE's response states, "There are 79 circuit segments that are not included in an underground plan and are not back hardened. In place of these circuit segments, POE chose to add different circuit segments to the portfolio that could be undergrounded more efficiently. POE manages wildfire risk on these 79 circuit segments through a portfolio of Comprehensive Monitoring and Data Collection and Operational Mitigation described above." a) Describe how POE is managing wildfire risk on the 79 circuit segments described in this section? b) If the answer to part (a) is yes, why did POE not overhead hardening as a mitigation for these 79 circuit segments? c) If the answer to part (a) is no, explain why not.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
438	CaPA	Set WMP-28	CaPA_Set WMP-28	17	CaPA_Set WMP-28_017	<p>RN-POE-23-05 Table RN-POE-23-05-2 on page 72 of POE's response compares the mileage in the top 20% of WFE, the top 20% of WDM, and the top 20% of WDM-C. a) Describe how POE is managing wildfire risk on the 79 circuit segments described in this section? b) If the answer to part (a) is yes, why did POE not overhead hardening as a mitigation for these 79 circuit segments? c) If the answer to part (a) is no, explain why not.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.1.2.2	Grid Design and System Hardening	Undergrounding of electric lines and/or equipment
439	CaPA	Set WMP-28	CaPA_Set WMP-28	18	CaPA_Set WMP-28_018	<p>RN-POE-23-05 Page 72 of POE's response states, "Based on our further evaluation, the secondary and tertiary mitigation effectiveness for undergrounding, considering the residual risk from accompanying and sensitive lines, is approximately 87 percent compared to 89 percent." a) Describe how POE calculated the effectiveness of 87 percent. b) Provide supporting data and worksheets for your response to part (a).</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	1	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
440	CaPA	Set WMP-28	CaPA_Set WMP-28	19	CaPA_Set WMP-28_019	<p>RN-POE-23-07 Page 123 of POE's response states, "The TAT was developed in the scope of the EVM program. With the completion of ERM, POE has decided to discontinue the use of the TAT and will be moving forward with residual assessment using the TRAQ form." a) Describe the ways in which the TAT is similar to the scope of an ERM (approximately 1,800 miles). Please explain why the TAT is not appropriate for the scope of FTI. b) Describe the ways in which the TAT and TRAQ are similar. c) Describe the ways in which the TAT and TRAQ are different.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	2	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
441	CaPA	Set WMP-28	CaPA_Set WMP-28	20	CaPA_Set WMP-28_020	<p>RN-POE-23-07 Page 124 of POE's response states, "Given that we began working with the ISA TRAQ in 2023, data does not exist to objectively compare effectiveness differences between ISA TRAQ and the TAT." a) Does POE plan to perform a study or analysis to compare the effectiveness of the TAT and the ISA TRAQ? If yes, please describe the study plans, including a desired FTI risk rating goal. b) If the answer to part (a) is yes, please describe the study POE plans to perform, and the date POE plans to complete the study. c) If the answer to part (a) is no, please explain why not.</p>	Holly Wetman	8/10/2023	8/15/2023	8/15/2023	0	NA	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
442	OES	011	OES_011	1	OES_011_01	<p>Regarding distribution isolated ground protection: a) On page 454 of its revised WMP, POE states that it will start from inspecting all HTD two 3 distribution assets annually and last 2 assets every three years, to inspecting series and extreme consequence busbars annually and high consequence busbars every three years. b) Please provide the number of assets/structures (using the same nomenclature definition as WMP R2 table 1.3, page 450) isolated HTD for 1. c) Please provide the number of assets/structures (using the same nomenclature definition as WMP R2 table 1.3, page 450) isolated HTD for 2. d) Please provide the number of assets/structures (using the same nomenclature definition as WMP R2 table 1.3, page 450) isolated HTD for 3.</p>	Dakota Smith	8/10/2023	8/23/2023	8/23/2023	0	NA	8.1.3.1.1	Asset Inspections	Delayed Ground Inspection
443	OES	011	OES_011	2	OES_011_02	<p>Regarding POE's Grid Design and Maintenance Quality Control: a) In its Revision Notice Responses, POE states that it is "working to integrate CO-107 execution processes. The approach will create multiple scenarios to inspect and grade workers... and that minimum sample sizes and peak risk target" would reduce POE's liability. (Page 92) b) Describe the approach, including the conditions and differences from the current and previous approach to CO-107, to ensure the approach is effective. c) Provide the estimated sample size for this approach. These sample sizes may either represent physical assets or POE staff per year (e.g., POE staff GHOS 3,000 contractors in any year of the WMP) or how POE determines the sample size to CO-107, the criteria for when and where POE performs CO-107. d) Describe the approach to ensure POE's approach is effective.</p>	Dakota Smith	8/10/2023	8/23/2023	8/23/2023	0	NA	8.1.6	Quality Assurance and Quality Control	NA

444	OEIS	011	OEIS_011	3	OEIS_011_Q3	<p>Regarding PG&amp;E's Vegetation Management Quality Control</p> <p>1. In its Response/Action Responses, PG&amp;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 lower rate target "would better PG&amp;E's flexibility" (Page 30)</p> <p>2. Describe this approach, including the similarities and differences from the current and previous sample sizes and lower rate target "would better PG&amp;E's flexibility" (Page 30)</p> <p>3. Provide the estimated sample size for this approach. These sample sizes may differ from previous physical assets PG&amp;E will QC on per year (e.g., PG&amp;E will QC on 3,000 circuit miles in each year of the WMP cycle), if how PG&amp;E determines the sample size for QC (i.e., the criteria when and where PG&amp;E performs QC)</p> <p>4. Attach the approved metrics PG&amp;E has developed related to the proposed and current approach.</p>	<p>1. Please see the approach described in response to Request 266(a). We are using the same approach to integrate QC with execution processes.</p> <p>2. PG&amp;E plans to begin the integrated QC Model in Q2 of 2024.</p> <p>3. PG&amp;E will continue to integrate QC using statistical sampling methodology of the completed risk-informed execution work product in HFD areas.</p> <p>4. Please see the response to Request 266(b) for a description of why we do not use targeted performance metrics. We are currently applying the approach to our vegetation management QC program.</p> <p>5. Please see the response to Request 255 for an explanation as to why we can't attach the approved metrics PG&amp;E has developed related to the proposed and current approach.</p>	Dakota Smith	8/18/2023	8/23/2023	8/23/2023	<a href="https://www.pge.com/leg_pubs/comments/2023/08/23/0823023301.pdf">https://www.pge.com/leg_pubs/comments/2023/08/23/0823023301.pdf</a>	0	NA	8.1.6	Quality Assurance and Quality Control	NA
445	CPUC - SPD (Safety Policy Division)	010	CPUC - SPD (Safety Policy Division)_010	1	CPUC - SPD (Safety Policy Division)_010_01	<p>Provide the attached spreadsheet with information summarized from Table 11 of PG&amp;E's most recently submitted QDR (Q1 2023 submitted Aug 1).</p>	<p>1. Please see the attached spreadsheet "WMP-Discovery2023_DR_SPD_010-Q001-0001" and the attached spreadsheet "WMP-Discovery2023_DR_SPD_010-Q001-0001" which was submitted to Energy Safety on August 1, 2023.</p>	Kevin Miller	8/04/2023	9/1/2023	8/31/2023	<a href="https://www.pge.com/leg_pubs/comments/2023/08/04/0804202301.pdf">https://www.pge.com/leg_pubs/comments/2023/08/04/0804202301.pdf</a>	1	NA	QDR	NA	NA
446	OEIS	012	OEIS_012	1	OEIS_012_01	<p>011 Regarding PG&amp;E's Response to RWPG&amp;E-23-07</p> <p>a. Considering the there are no falls in OneVista to collect Level 2 inspection data, the 1 TRAG form will not be completed and the Focused Tree Inspection procedure does not require inspectors to take a photo of completed TRAG forms 3 what data and information do PG&amp;E plan to use to perform field-based quality control on Level 2?</p> <p>b. How are the other TRAG forms generated through Focused Tree Inspections collected and stored by PG&amp;E?</p> <p>c. Describe the quality control procedure for Focused Tree Inspections.</p> <p>d. How are the other TRAG forms generated through Focused Tree Inspections collected and stored by PG&amp;E?</p> <p>e. For Focused Tree Inspections, Routine, and Second Patrol:</p> <p>1. How and where does the inspector document relevant factors that contributed to an inspector's designation of a tree as a hazard or not a hazard, and an inspector's assessment conclusion?</p>	<p>1. PG&amp;E will update our FTI protocols to reflect a change in process for 2024 that will require users to record level 2 inspection data through a digitalized Tree Risk Assessment form. The intent is to create a record of every single potential tree including that it has been assessed with a Level 2 inspection.</p> <p>2. The Quality Management team will use a list of completed Focused Tree Inspection (FTI) locations and completed Tree Risk Assessment forms to perform quality assessments.</p> <p>3. The Major Infrastructure Delivery - Quality Management team performs quality assessments in accordance with the FTI procedure below: WMP-Discovery23_DR_OEIS_012-Q001A&amp;B01.pdf.</p> <p>4. For 2024, PG&amp;E will use the TRAG data to assess the Tree Risk Assessment form return.</p> <p>5. This statement was filed in the response plan, which PG&amp;E explains the "EPSS grid-based mitigations provide critical improvement to customer experience and risk reduction for both system and reliability risk..." PG&amp;E's reference to "does not have detailed mitigation effectiveness" is referring specifically to trees that are used in context with the reliability effectiveness of EPSS mitigation work, but which there is no detailed mitigation effectiveness response available on this issue.</p> <p>6. Yes, the data on system mitigations effectiveness was as all accurate.</p> <p>7. With respect to system mitigations effectiveness values for EPSS that have previously been provided, PG&amp;E notes that the data is derived from historical data from the implementation of the 2022 EPSS program.</p> <p>8. Yes, PG&amp;E will continue to partner with the UCLA &amp; John Garbis Institute for EPSS that will provide regular updates to the system mitigations effectiveness and program checks along with qualified uncertainty.</p> <p>9. The first draft of the work with the UCLA &amp; John Garbis Institute for Risk Science is anticipated to conclude in November of the year. The differences between the calculation and the current approach do not necessarily include additional factors but rather a refined calculation approach.</p>	Dakota Smith	8/30/2023	9/27/2023	9/27/2023	<a href="https://www.pge.com/leg_pubs/comments/2023/08/30/0830202301.pdf">https://www.pge.com/leg_pubs/comments/2023/08/30/0830202301.pdf</a>	4	NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
447	OEIS	012	OEIS_012	2	OEIS_012_Q2	<p>002 Regarding PG&amp;E's Response to RWPG&amp;E-23-03</p> <p>a. In its responses relating to EPSS, PG&amp;E states that it "does not have detailed mitigation effectiveness analysis at the site. These analyses are being developed based on subject matter expertise while expected data is being collected"</p> <p>b. Explain what is meant by this statement, particularly given PG&amp;E has provided effectiveness estimates for EPSS previously.</p> <p>c. In PG&amp;E's 2023-2025 WMP, PG&amp;E provides an estimated effectiveness of 68% for EPSS in 2022. Is this an accurate effectiveness estimate? If not, why?</p> <p>d. When does PG&amp;E plan on calculating a more updated effectiveness estimate? What factors is PG&amp;E including in the calculation?</p>	<p>1. For all of the questions below, the answers provided are based on the best data available. Since there is no specific database for EPSS, certain assumptions and data mining were employed to achieve the best possible results (see part c).</p> <p>2. The table below provides the best available data for the number of instances in which PG&amp;E cancelled a work order in response to an FSR.</p> <p>FSR Year Notification</p> <p>2020 11,458</p> <p>2021 1,074</p> <p>2022 2,408</p> <p>3. PG&amp;E typically updates existing notifications and does not create new notifications for FSR process. The exception is that when FSR includes the lowest priority tag, an emergency tag, when this occurs, new priority notifications are created and other notifications are deleted. The table below provides the best available data for the number of instances in which PG&amp;E created a new work order in response to an FSR.</p> <p>FSR Year Notification</p> <p>2020 17,458</p> <p>2021 4,625</p> <p>2022 4,625</p> <p>4. PG&amp;E typically only combines notifications as part of an FSR process when the specific notification applies to the same location. The table below provides the best available data for the number of instances where an inspector recommended a cancellation for a notification.</p> <p>FSR Year Notification</p> <p>2020 1,087</p> <p>2021 192</p> <p>2022 89</p> <p>5. All of the notifications are entered in SAP for tracking, work planning, and execution. There is no distinct report or data base dedicated to notifications and are subject to FSR, but PG&amp;E can use a user status to identify which notifications require an FSR and use a user status to see which notifications have an associated cancellation recommendation.</p> <p>6. Please see attachment "WMP-Discovery2023_DR_OEIS_012-Q001A&amp;B01.pdf" for more information.</p>	Dakota Smith	8/30/2023	9/5/2023	9/5/2023	<a href="https://www.pge.com/leg_pubs/comments/2023/08/30/0830202301.pdf">https://www.pge.com/leg_pubs/comments/2023/08/30/0830202301.pdf</a>	0	NA	8.1.2.10	Grid Design and System Hardening	Downed Conductor Detection Devices
448	OEIS	012	OEIS_012	3	OEIS_012_Q3	<p>003 Regarding PG&amp;E's Response to RWPG&amp;E-23-04</p> <p>a. Table RWPG&amp;E-23-04-1 uses "Agent Backlog, Escalator" and "Agent Backlog Units Remaining." Provide more details, numbers for each year, broken down by non-priority tag, priority tag, and non-priority tag respectively.</p> <p>b. Provide the number of FSRs, provide the following data broken down annually:</p> <p>1. The number of instances in which PG&amp;E cancelled a work order in response to an FSR.</p> <p>2. The number of instances in which PG&amp;E created a work order in place of an FSR.</p> <p>3. The number of instances in which PG&amp;E combined work orders in response to an FSR.</p> <p>4. Details on how PG&amp;E tracks the above (1) through (3) in its databases? If PG&amp;E does not currently track such responses, why?</p> <p>5. Will PG&amp;E continue to conduct annual FSRs on all Priority E tags?</p> <p>6. Provide a list of PG&amp;E's activities for monitoring and reviewing existing to handling its backlog. This should include, but not be limited to:</p> <p>a. Scheduling, meeting, and obtaining workforce and personnel</p> <p>b. Resource limitations, such as obtaining needed equipment and supply chain issues, and how PG&amp;E intends on handling them.</p> <p>c. Training for personnel working on backlog, including details on how to identify, prioritize, and respond to requests.</p> <p>d. How is PG&amp;E tracking and prioritizing system risk tags that are Priority 0 or 1?</p>	<p>1. All of the notifications are entered in SAP for tracking, work planning, and execution. There is no distinct report or data base dedicated to notifications and are subject to FSR, but PG&amp;E can use a user status to identify which notifications require an FSR and use a user status to see which notifications have an associated cancellation recommendation.</p> <p>2. Please see attachment "WMP-Discovery2023_DR_OEIS_012-Q001A&amp;B01.pdf" for more information.</p>	Dakota Smith	8/30/2023	9/27/2023	9/27/2023	<a href="https://www.pge.com/leg_pubs/comments/2023/08/30/0830202301.pdf">https://www.pge.com/leg_pubs/comments/2023/08/30/0830202301.pdf</a>	0	NA	8.1.7.2	Open Work Orders	Open Work Orders - Distribution Tags
449	OEIS	012	OEIS_012	4	OEIS_012_Q4	<p>004 Regarding PG&amp;E's Response to RWPG&amp;E-23-05</p> <p>a. For the 79 circuit segments not included in an undergrounding plan and that have not been hardened, provide the following information as spreadsheet:</p> <p>1. Circuit Name</p> <p>2. Circuit segment/COP Name</p> <p>3. Length of circuit segment</p> <p>4. V1 Risk Score</p> <p>5. V1 Risk Rating</p> <p>6. V1 Risk Score (if available)</p> <p>7. V1 Risk Rating (if available)</p> <p>8. WFE Score</p> <p>9. WFE Rating</p> <p>10. Feasibility Score</p> <p>11. Reason for why the circuit segment is not included in undergrounding plan</p> <p>12. Other mitigation options being used for the circuit segment in the future, (this differs from 9)</p> <p>13. Other mitigation options being considered for the circuit segment in the future.</p>	<p>1. The 79 circuit segments not included in an undergrounding plan because PG&amp;E chose to add different circuit segments to the portfolio that could be undergrounded more efficiently (e.g., handling lower risk segments with higher risk ones that are geographically located next to each other). The 79 circuit segments had approximately 30% higher relative feasibility scores (e.g., more "30% more difficult to service") than other circuit segments, which contributed to why they were not included in the undergrounding portfolio. As described in the 2023-2025 WMP, PG&amp;E balances hard-to-construct circuit segments with other high risk circuit segments that can be relocated, undergrounded more quickly, so that risk reduction work can continue efficiently across the system.</p> <p>2. The list of instances PG&amp;E is analyzing on the 79 circuit segments is provided in the attachment "WMP-Discovery2023_DR_OEIS_012-Q001A&amp;B01.pdf". In this attachment, PG&amp;E continues to evaluate the 79 circuit segments and will continue to be evaluated through our risk analysis process (i.e., periodic updates to the WMP Distribution Risk Model (DRM)) and we may include them in our system hardening program after 2025 if they remain high risk based on the outcomes of the risk model updates.</p> <p>3. PG&amp;E will continue to evaluate the 79 circuit segments through our risk analysis process (i.e., periodic updates to the DRM) and may include them in our system hardening program after 2025 if they remain high risk based on the outcomes of the risk model updates. Once a circuit segment is included in the system hardening program, we conduct additional analysis to determine the appropriate system hardening solution which generally includes undergrounding, line removal with remote end installation of circuit conductor ground termination devices. If a circuit segment is not chosen for the system hardening program, PG&amp;E continues to manage risk on it through programs like External Protective Safety Strategy (EPSS), Downed Conductor Detection, Partial Voltage, asset inspectors and maintenance, Public Safety Power Shutoff (PSPS), and vegetation management.</p>	Dakota Smith	8/30/2023	9/5/2023	9/5/2023	<a href="https://www.pge.com/leg_pubs/comments/2023/08/30/0830202301.pdf">https://www.pge.com/leg_pubs/comments/2023/08/30/0830202301.pdf</a>	1	NA	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
450	CaMPA	Set WMP-20	CaMPA_Set WMP-20_01	1	CaMPA_Set WMP-20_01	<p>Page 35 of PG&amp;E's response states, "PG&amp;E is currently working to integrate QC with its execution processes to create quality during initial work execution."</p> <p>1) Provide the approximate date to which PG&amp;E plans to implement an integrated QC process, described above.</p> <p>2) Please provide any internal protocols, presentations, reports, or other documentation that describes PG&amp;E's proposed integrated QC process.</p> <p>3) Please provide any procedures, handbooks, checklists, or job aids that personnel will use when implementing PG&amp;E's proposed integrated QC process.</p>	<p>1) -&gt; PG&amp;E continues to be committed to moving our QC programs closer to the source but does not have implemented information to provide at this time. Given the wildfire threat, this will be limited to complete the process. PG&amp;E has implemented new QC tags—as described in the September 27, 2023 WMP supplemental filing—to help demonstrate our progress in this area and commitment to continuous improvement.</p>	Holly Wetteman	9/7/2023	9/27/2023	9/27/2023	<a href="https://www.pge.com/leg_pubs/comments/2023/09/07/0907202301.pdf">https://www.pge.com/leg_pubs/comments/2023/09/07/0907202301.pdf</a>	0	NA	8.1.8	Quality Assurance and Quality Control	NA
451	CaMPA	Set WMP-20	CaMPA_Set WMP-20_02	2	CaMPA_Set WMP-20_02	<p>PG&amp;E's response to Data Request No. CaAdvocates_02R-Q001a on August 15, 2023, states "QC is integrating with execution processes by completing QC in a similar timeline that has been historically established, allowing for better opportunities for re-sharing inspectors, sharing learnings, and making corrections, as necessary."</p> <p>1) What are the minimum, maximum and average QC completion timelines for detailed ground distribution inspections in 2021?</p> <p>2) What are the minimum, maximum and average QC completion timelines for detailed ground distribution inspections in 2022?</p> <p>3) What are the minimum, maximum and average QC completion timelines for detailed ground distribution inspections in 2023?</p> <p>4) What are the expected/typical minimum, maximum, and average QC completion timelines for detailed ground distribution inspections after integration with execution processes?</p>	<p>1) -&gt; PG&amp;E continues to be committed to moving our QC programs closer to the source but does not have implemented information to provide at this time. Given the wildfire threat, this will be limited to complete the process. PG&amp;E has implemented new QC tags—as described in the September 27, 2023 WMP supplemental filing—to help demonstrate our progress in this area and commitment to continuous improvement.</p>	Holly Wetteman	9/7/2023	9/27/2023	9/27/2023	<a href="https://www.pge.com/leg_pubs/comments/2023/09/07/0907202301.pdf">https://www.pge.com/leg_pubs/comments/2023/09/07/0907202301.pdf</a>	1	NA	8.1.8	Quality Assurance and Quality Control	NA
452	CaMPA	Set WMP-20	CaMPA_Set WMP-20_03	3	CaMPA_Set WMP-20_03	<p>PG&amp;E's response to Data Request No. CaAdvocates_02R-Q001a on August 15, 2023, states "QC is integrating with execution processes by completing QC in a similar timeline that has been historically established, allowing for better opportunities for re-sharing inspectors, sharing learnings, and making corrections, as necessary."</p> <p>1) What are the minimum, maximum and average QC completion timelines for detailed ground distribution inspections in 2021?</p> <p>2) What are the minimum, maximum and average QC completion timelines for detailed ground distribution inspections in 2022?</p> <p>3) What are the minimum, maximum and average QC completion timelines for detailed ground distribution inspections in 2023?</p> <p>4) What are the expected/typical minimum, maximum, and average QC completion timelines for detailed ground distribution inspections after integration with execution processes?</p>	<p>1. There is no internal requirement/standard for the maximum amount of time between a detailed ground distribution inspection and a subsequent QC.</p> <p>2. Not applicable.</p> <p>3. PG&amp;E determines when to perform QC following a detailed ground distribution inspection according to the applicable sampling protocol within the procedures. This typically occurs within 14 days but could be sooner or later depending on field conditions, business needs, and sampling methodology, but similar to our response to subpart (a), there is no requirement/standard for timing of sampling.</p>	Holly Wetteman	9/7/2023	9/27/2023	9/27/2023	<a href="https://www.pge.com/leg_pubs/comments/2023/09/07/0907202301.pdf">https://www.pge.com/leg_pubs/comments/2023/09/07/0907202301.pdf</a>	0	NA	8.1.8	Quality Assurance and Quality Control	NA











485	CAIPA	Sat WMP-12	CAIPA_Sat WMP-12-07	7	CAIPA_Sat WMP-12-07	<p>Please reference attachment "WMP-Discontinuation-2023_DR_CalAdvocates-03-20230401.xlsx" for the list of pole loading calculations performed as part of covered conductor projects that were constructed in 2022 and have completed the quality verification process. Projects constructed in 2023 are still undergoing quality verification and have not been included in this report.</p> <p>The report contains the following information:</p> <ol style="list-style-type: none"> <li>The Pole SAP Equipment ID for the in-service poles.</li> <li>The Service Safety Factor after covered conductor installation.</li> <li>The Service Pole Status, options for the data field are as follows: <ul style="list-style-type: none"> <li>"Covered" means that the pole did not need to be replaced as a result of covered conductor installation.</li> <li>"Replaced" means that the pole was replaced as part of the covered conductor installation project.</li> <li>"New" means that the pole is newly required as part of the covered conductor installation project. It is not included in the location prior to the covered conductor installation project.</li> </ul> </li> </ol> <p>For WMP-Discontinuation-2023_DR_CalAdvocates-03-20230401.xlsx see the following:</p> <ol style="list-style-type: none"> <li>Word</li> <li>Compare</li> <li>Grids of Conductor options for this data field are as follows: <ul style="list-style-type: none"> <li>A</li> <li>B</li> <li>C</li> </ul> </li> <li>Loadcase options for this data field are as follows: <ul style="list-style-type: none"> <li>QD 95</li> <li>NE5C</li> </ul> </li> </ol> <p>a) This information has been included in the attachment, as described in item 1 above. b) PG&amp;E's estimating process does not include performing a pole loading calculation of the pole in the configuration prior to covered conductor installation. We model the pole with the covered conductor and equipment for the new project and make a determination as to whether the pole is subsequently loaded to remain in-service. If a pole is subsequently loaded to remain in-service, it is included in the attachment.</p> <p>c) PG&amp;E is providing the requested list of randomly selected pole loading calculations for covered conductor projects from 2020, 2021, and 2022. Please see attachment "WMP-Discontinuation-2023_DR_CalAdvocates-02-20230401.xlsx" for the randomly selected pole loading calculations provided. Each of these calculations includes the following information (interpretations to identify if the pole is new or existing projects constructed in 2022 are still undergoing quality verification and have not been included):</p> <ol style="list-style-type: none"> <li>The discrepancy between the two tables indicates expected maximum planning values as compared to the minimum required legs to meet our risk reduction targets.</li> <li>The 45,000 lbs represent the maximum required legs to meet our risk reduction targets. The 45,000 lbs represent the maximum required legs to meet our risk reduction targets. The 45,000 lbs represent the maximum required legs to meet our risk reduction targets. The 45,000 lbs represent the maximum required legs to meet our risk reduction targets.</li> </ol>	Holly Waltema	10/31/2023	11/4/2023	11/4/2023	<a href="https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-12-07.xlsx">https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-12-07.xlsx</a>	1	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
486	CAIPA	Sat WMP-13	CAIPA_Sat WMP-13-06	8	CAIPA_Sat WMP-13-06	<p>For each year from 2020 through 2023, please provide ten randomly selected pole loading calculations performed as part of a state-to-conductor replacement project. For these calculations, please provide:</p> <ol style="list-style-type: none"> <li>The full calculation inputs.</li> <li>The full calculation outputs.</li> <li>Any interpretations associated with the calculation (for example, an engineer's determination that the calculation demonstrates a pole must be replaced).</li> </ol> <p>Regarding confirmation of 2024-2025 targets:</p> <p>PG&amp;E's 2023-2025 WMP Revision 3, Table 8.1.7.2 (page 555) shows that PG&amp;E expects to close 60,200 backing distribution ignition risk legs in 2024 and 60,200 distribution ignition risk legs in 2025. PG&amp;E's targets in Tables 8.1.7.2 (for 2024) and 8.1.7.2 (for 2025) do not reflect the same expected reduction of backing ignition risk legs as outlined in Table 8.1.7.2, as those tables show target of closing 45,000 distribution backing legs in 2024 and 45,000 distribution backing legs in 2025.</p> <p>Can you help PG&amp;E identify the target to close and commitment made in the 2023-2025 WMP Revision 3, Table 8.1.7.2 (page 555)?</p> <p>If not, explain the discrepancy between the commitment to close 60,200 backing distribution ignition risk legs in 2024 and 60,200 backing distribution ignition risk legs in 2025 (Table 8.1.7.2, page 555) to the targets outlined in Tables 8.1.7.2 and 8.1.7.2 (page 555)?</p> <p>Please provide an Excel sheet listing (a) each selected work order (or "tag") that was open as of June 30, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns:</p> <ol style="list-style-type: none"> <li>Work order ID number</li> <li>Equipment type</li> <li>Asset type, Distribution or transmission</li> <li>CPZ type</li> <li>Utility-specific priority level (A or B)</li> <li>Date the tag was originally created</li> <li>Date the tag was last updated or modified (if applicable)</li> <li>Date the work order after it was reopened or modified (if applicable)</li> <li>Date the work order was completed &amp; closed, if any</li> </ol> <p>Non-work tag program should exclude the QDR for 2023.</p>	Holly Waltema	10/31/2023	11/4/2023	11/4/2023	<a href="https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-13-06.xlsx">https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-13-06.xlsx</a>	1	NA	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
487	OEIS	015	OEIS_015_01	1	OEIS_015_01	<p>Regarding confirmation of 2024-2025 targets:</p> <p>PG&amp;E's 2023-2025 WMP Revision 3, Table 8.1.7.2 (page 555) shows that PG&amp;E expects to close 60,200 backing distribution ignition risk legs in 2024 and 60,200 distribution ignition risk legs in 2025. PG&amp;E's targets in Tables 8.1.7.2 (for 2024) and 8.1.7.2 (for 2025) do not reflect the same expected reduction of backing ignition risk legs as outlined in Table 8.1.7.2, as those tables show target of closing 45,000 distribution backing legs in 2024 and 45,000 distribution backing legs in 2025.</p> <p>Can you help PG&amp;E identify the target to close and commitment made in the 2023-2025 WMP Revision 3, Table 8.1.7.2 (page 555)?</p> <p>If not, explain the discrepancy between the commitment to close 60,200 backing distribution ignition risk legs in 2024 and 60,200 backing distribution ignition risk legs in 2025 (Table 8.1.7.2, page 555) to the targets outlined in Tables 8.1.7.2 and 8.1.7.2 (page 555)?</p> <p>Please provide an Excel sheet listing (a) each selected work order (or "tag") that was open as of June 30, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns:</p> <ol style="list-style-type: none"> <li>Work order ID number</li> <li>Equipment type</li> <li>Asset type, Distribution or transmission</li> <li>CPZ type</li> <li>Utility-specific priority level (A or B)</li> <li>Date the tag was originally created</li> <li>Date the tag was last updated or modified (if applicable)</li> <li>Date the work order after it was reopened or modified (if applicable)</li> <li>Date the work order was completed &amp; closed, if any</li> </ol> <p>Non-work tag program should exclude the QDR for 2023.</p>	Dakota Smith	11/3/2023	11/8/2023	11/8/2023	<a href="https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-13-06.xlsx">https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-13-06.xlsx</a>	0	NA	8.1.7	Open Work Orders	NA
488	CAIPA	Sat WMP-13	CAIPA_Sat WMP-13-01	1	CAIPA_Sat WMP-13-01	<p>Please see attachment "WMP-Discontinuation-2023_DR_CalAdvocates-03-20230401.xlsx" for the requested data.</p> <p>The data in columns A through J of the attachment has been provided from the 2023 Q2 QDR for any tags where the original priority column F is A or B, or where the utility specific priority level at the end of Q2 is A or B (column M). The columns K and L have been provided for the data the tag was completed and closed. Column K indicates the date the work was completed in the field and column L indicates the date of closure in SAP. Field completion and closure dates were pulled on November 21.</p>	Aaron Luke	11/9/2023	11/28/2023	11/28/2023	<a href="https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-13-01.xlsx">https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-13-01.xlsx</a>	1	NA	8.1.7	Open Work Orders	NA
489	CAIPA	Sat WMP-13	CAIPA_Sat WMP-13-02	2	CAIPA_Sat WMP-13-02	<p>On November 11, 2023, PG&amp;E confirmed with Cal Advocates that providing data as of September 25, 2023, and was a Level A or B tag. For each tag, provide the following information in separate columns:</p> <ol style="list-style-type: none"> <li>Work order ID number</li> <li>Equipment type</li> <li>Asset type, Distribution or transmission</li> <li>CPZ type</li> <li>Utility-specific priority level (A or B)</li> <li>Date the tag was originally created</li> <li>Date the tag was last updated or modified (if applicable)</li> <li>Date the work order after it was reopened or modified (if applicable)</li> <li>Date the work order was completed &amp; closed, if any</li> </ol> <p>Non-work tag program should exclude the QDR for 2023.</p>	Aaron Luke	11/9/2023	11/28/2023	11/28/2023	<a href="https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-13-02.xlsx">https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-13-02.xlsx</a>	1	NA	8.1.7	Open Work Orders	NA
490	CAIPA	Sat WMP-13	CAIPA_Sat WMP-13-03	3	CAIPA_Sat WMP-13-03	<p>Please see attachment "WMP-Discontinuation-2023_DR_CalAdvocates-03-20230401.xlsx" for the requested data.</p> <p>The data provided was calculated using the Quarterly Data Report logic run on November 9, 2023. Since the QDR is a daily file that tags SAP on a daily basis, the output reflects the data in SAP for November 8, 2023. The data in columns A through J of the attachment has been provided from the 2023 Q2 QDR for any tags where the original priority column F is A or B, or where the utility specific priority level at the end of Q2 is A or B (column M). The columns K and L have been provided for the data the tag was completed and closed. Column K indicates the date the work was completed in the field and column L indicates the date of closure in SAP. Field completion and closure dates were pulled on November 21.</p>	Aaron Luke	11/9/2023	11/28/2023	11/28/2023	<a href="https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-13-03.xlsx">https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-13-03.xlsx</a>	1	NA	8.1.7	Open Work Orders	NA
491	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14-01	1	CAIPA_Sat WMP-14-01	<p>The following questions pertain to PG&amp;E's 2023-2025 WMP Revision 3, submitted on September 27, 2023:</p> <p>Page 1122 of your 2023 WMP R3 discusses the 2022 EPSS Reliability Study's Multiple Outage Review (MOR). Please refer to the PG&amp;E Independent Safety Review (ISR) Report, October 5, 2023 (ISR Report) also discusses the MOR program at p. 12, including:</p> <ol style="list-style-type: none"> <li>"The 2022 and 2023 circuits underwent three in-depth reviews, generating approximately 1,400 action items. This program continued into 2023 with 35 circuits having had a completed MOR (with several of these circuits being on their second or third review) through each August, generating an additional 120 MOR-related action items."</li> <li>"Please provide a table or Excel sheet showing the results of each MOR for 2022, including the following, in separate columns: <ul style="list-style-type: none"> <li>The CPZ that underwent review.</li> <li>The result of each CPZ's review.</li> <li>If the CPZ's review had action items generated.</li> <li>Details about each action item, if applicable.</li> <li>If an action item was not created, provide a brief explanation as to why.</li> <li>If the action item was completed, provide a brief explanation as to why it was not completed on time.</li> <li>If the action item was not completed by the due date, provide a brief explanation as to why it was not completed on time.</li> </ul> </li> </ol> <p>The CPZ that underwent review:</p> <ol style="list-style-type: none"> <li>The result of each CPZ's review.</li> <li>If the CPZ's review had action items generated.</li> <li>Details about each action item, if applicable.</li> <li>If an action item was not created, provide a brief explanation as to why.</li> <li>If the action item was completed, provide a brief explanation as to why it was not completed on time.</li> <li>If the action item was not completed by the due date, provide a brief explanation as to why it was not completed on time.</li> </ol>	Justin Hegler	12/1/2023	1/9/2024	1/9/2024	<a href="https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-14-01.xlsx">https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-14-01.xlsx</a>	1	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
492	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14-02	2	CAIPA_Sat WMP-14-02	<p>In the summer of 2022, an initial Multiple Outage Review and Evaluation (MOR) program began, with the objective to improve circuit design where there are increased frequency of customer experiencing EPSS outages. The initial outage review was completed in 2022 for 2023 circuits having had a completed MOR (with several of these circuits being on their second or third review) through each August, generating an additional 120 MOR-related action items."</p> <p>"Please provide a table or Excel sheet showing the results of each MOR for 2022, including the following, in separate columns:</p> <ol style="list-style-type: none"> <li>The CPZ that underwent review.</li> <li>The result of each CPZ's review.</li> <li>If the CPZ's review had action items generated.</li> <li>Details about each action item, if applicable.</li> <li>If an action item was not created, provide a brief explanation as to why.</li> <li>If the action item was completed, provide a brief explanation as to why it was not completed on time.</li> <li>If the action item was not completed by the due date, provide a brief explanation as to why it was not completed on time.</li> </ol> <p>The CPZ that underwent review:</p> <ol style="list-style-type: none"> <li>The result of each CPZ's review.</li> <li>If the CPZ's review had action items generated.</li> <li>Details about each action item, if applicable.</li> <li>If an action item was not created, provide a brief explanation as to why.</li> <li>If the action item was completed, provide a brief explanation as to why it was not completed on time.</li> <li>If the action item was not completed by the due date, provide a brief explanation as to why it was not completed on time.</li> </ol>	Justin Hegler	12/1/2023	1/9/2024	1/9/2024	<a href="https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-14-02.xlsx">https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-14-02.xlsx</a>	0	NA	2022 WMP Section 7.1	Wildfire Mitigation Strategy Development	NA
493	CAIPA	Sat WMP-14	CAIPA_Sat WMP-14-03	3	CAIPA_Sat WMP-14-03	<p>The criteria for a Multiple Outage Review and Evaluation (MOR) involved in response to an increased number of customer experiencing outages due to EPSS production across the system. The MOR process was formalized in 2023 and evolved from a circuit level view to a more targeted circuit level view with increased maturity. In both years, the primary assessment of circuit risks during being reviewed was the number of EPSS outages.</p> <p>a) For 2022 the review process included the following for EPSS circuits:</p> <ul style="list-style-type: none"> <li>Number of EPSS Outages (with a minimum of five for the circuit)</li> <li>Executions from EPSS Leadership</li> <li>Executions from Customer Team</li> <li>Executions from Regional VP Team</li> <li>Closed by EPSS CEM's count</li> </ul> <p>b) For 2023, the criteria for the MOR process included the following for EPSS circuits:</p> <ul style="list-style-type: none"> <li>Number of EPSS Outages on a rolling 60-day basis (with a minimum of three in the time period for the device)</li> <li>Executions from EPSS Leadership</li> <li>Executions from Customer Team</li> <li>Executions from Regional VP Team</li> </ul> <p>c) If a circuit did not meet the criteria above in part (a), it was not reviewed as a part of the MOR process in 2022.</p> <p>d) If a circuit did not meet the criteria above in part (b), it was not reviewed as a part of the MOR process in 2023.</p> <p>"Please see attachment "WMP-Discontinuation-2023_DR_CalAdvocates-04-20230401.xlsx" for the requested data.</p> <p>"Please see attachment "WMP-Discontinuation-2023_DR_CalAdvocates-04-20230401.xlsx" for the requested data.</p> <p>"Please see attachment "WMP-Discontinuation-2023_DR_CalAdvocates-04-20230401.xlsx" for the requested data.</p> <p>"Please see attachment "WMP-Discontinuation-2023_DR_CalAdvocates-04-20230401.xlsx" for the requested data.</p>	Justin Hegler	12/1/2023	1/9/2024	1/9/2024	<a href="https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-14-03.xlsx">https://www.acehardware.com/~/media/Assets/CAIPA_Sat_WMP-14-03.xlsx</a>	3	NA	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings







527	MGRA	Data Request No. 9	MGRA_Data_Request_No.9	5	MGRA_Data_Request_No.9_05	<p>PG&amp;E Reduce PSPS Impacts to Customers (Section 6.1.3)</p> <p>For the 2024 to 19 reduction in customers exposed to PSPS events, how much of that reduction is due to (i) undergrounding 2023-2025, (ii) Microgrid Switch Operations (MSOs), and (iii) other factors.</p>	Joseph Michael	482024	4112024	4112024	<a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a>	0	NA	5.1.5	9.0 Public Safety Power Shutoff	9.1.5 Performance Metrics Identified by the Electrical Corporation
528	MGRA	Data Request No. 9	MGRA_Data_Request_No.9	6	MGRA_Data_Request_No.9_06	<p>Explain how MSD reduces PSPS incidence.</p>	Joseph Michael	482024	4112024	4112024	<a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a>	0	NA	5.1.5	9.0 Public Safety Power Shutoff	9.1.5 Performance Metrics Identified by the Electrical Corporation
529	MGRA	Data Request No. 9	MGRA_Data_Request_No.9	7	MGRA_Data_Request_No.9_07	<p>Does MSD also allow for EPSS to be enabled as a function of weather conditions?</p>	Joseph Michael	482024	4112024	4112024	<a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a>	0	NA	8.1.8.1.1	8.1.8 Grid Operations and Procedures	8.1.8.1.1 Protective Equipment and Device Settings
530	MGRA	Data Request No. 9	MGRA_Data_Request_No.9	8	MGRA_Data_Request_No.9_08	<p>Is not EPSS enabled based on weather conditions and if so how?</p>	Joseph Michael	482024	4112024	4112024	<a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a>	0	NA	8.1.8.1.1	8.1.8 Grid Operations and Procedures	8.1.8.1.1 Protective Equipment and Device Settings
531	MGRA	Data Request No. 9	MGRA_Data_Request_No.9	9	MGRA_Data_Request_No.9_09	<p>Table ACI-PG&amp;E-23-05-33 Ignition mitigation effectiveness for AH - Covered conductor + EPSS, effectiveness is 78.2% for 2025 WMP. How does the effectiveness of the covered conductor + EPSS compare to the effectiveness of the covered conductor + EPSS + Microgrid Switch Operations (MSO)?</p> <p>Perform this as a circuit analysis, not a substitution analysis, assuming all circuits are REFC. Analyze.</p>	Joseph Michael	482024	4112024	4112024	<a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
532	MGRA	Data Request No. 9	MGRA_Data_Request_No.9	10	MGRA_Data_Request_No.9_10	<p>Please provide the above table ACI-PG&amp;E-23-05-33 under the assumption that Covered Conductor wildfire ignition reduction effectiveness is 85.2% not 78.2%.</p>	Joseph Michael	482024	4112024	4112024	<a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
533	MGRA	Data Request No. 9	MGRA_Data_Request_No.9	11	MGRA_Data_Request_No.9_11	<p>2.01 - Non-Underground Mitigation</p> <p>This consideration of location-specific benefits and risks is consistent with the prior decision-based approach we used to assess projects and mitigate for continuation 2023 to 2025. In what ways does the new calculation differ from the previous decision-based analysis and in what ways does it differ?</p>	Joseph Michael	482024	4112024	4120204	<a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
534	MGRA	Data Request No. 9	MGRA_Data_Request_No.9	12	MGRA_Data_Request_No.9_12	<p>Table ACE PG&amp;E-23-05-01</p> <p>Please provide the slides presented at these workshops, redacted for any confidential material.</p>	Joseph Michael	482024	4112024	4112024	<a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a>	7	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-06 - Continuation of Grid Hardening Joint Studies
535	MGRA	Data Request No. 9	MGRA_Data_Request_No.9	13	MGRA_Data_Request_No.9_13	<p>Early Fault Detection/Distribution Fault Activation</p> <p>Are EFD circuits being deployed on circuits that are being accepted for undergrounding?</p>	Joseph Michael	482024	4112024	4112024	<a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-07 - Deployment of New Technologies
536	MGRA	Data Request No. 9	MGRA_Data_Request_No.9	14	MGRA_Data_Request_No.9_14	<p>What would be the final year that a circuit will be undergrounded that might potentially be implemented with an EFD?</p>	Joseph Michael	482024	4112024	4112024	<a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-07 - Deployment of New Technologies
537	MGRA	Data Request No. 9	MGRA_Data_Request_No.9	15	MGRA_Data_Request_No.9_15	<p>Please provide a list of responsible ignitions for the last ten years including the following:</p> <p>a) WMP system at the time of the ignition (R1, R2, etc)</p> <p>b) whether circuit was implemented with active EPSS</p> <p>c) whether circuit was implemented with active EFD</p> <p>d) whether circuit was implemented with active DCD</p>	Joseph Michael	482024	4112024	4112024	<a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-07 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
538	MGRA	Data Request No. 9	MGRA_Data_Request_No.9	16	MGRA_Data_Request_No.9_16	<p>Please provide a list of outages for the last ten years including the following additional attributes:</p> <p>a) WMP system at the time of the outage (R1, R2, etc)</p> <p>b) whether circuit was implemented with active EPSS</p> <p>c) whether circuit was implemented with active EFD</p> <p>d) whether circuit was implemented with active DCD</p>	Joseph Michael	482024	4112024	4112024	<a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-07 Fire Potential Index (FPI) and Ignition Probability Weather (IPW) Enhancements
539	CaPA	Set WMP-42	CaPA_Set WMP-42_01	1	CaPA_Set WMP-42_01	<p>Page 10 of PG&amp;E's 2023 WMP Update states that, for version of PG&amp;E's Wildfire Evacuation Model, PG&amp;E increased the fire simulation time from eight to 24 hours.</p> <p>a) Detail the 24-hour simulation result in light of response to simulation time with more likely to reach high probability areas despite decreasing reliability on the weather forecast, as time progresses, and unknown suppression resources.</p> <p>b) Provide the result of the sensitivity analysis to changing WMP. PG&amp;E will be able to provide results in 2023 that quantify the effectiveness of shorter versus longer simulation durations.</p> <p>c) Describe the result of the sensitivity analysis discussed above.</p> <p>d) Provide any written reports, notes, or other output of the sensitivity analysis discussed above.</p>	Holy Wetteman	492024	4120204	4120204	<a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a>	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
540	CaPA	Set WMP-42	CaPA_Set WMP-42_02	2	CaPA_Set WMP-42_02	<p>Page 1021 of PG&amp;E's 2023-2025 WMP PH analysis, in response to ACI PG&amp;E-23-05, 2023-2025 WMP Update states that, for version of PG&amp;E's Wildfire Evacuation Model, PG&amp;E increased the fire simulation time from eight to 24 hours.</p> <p>a) Detail the 24-hour simulation result in light of response to simulation time with more likely to reach high probability areas despite decreasing reliability on the weather forecast, as time progresses, and unknown suppression resources.</p> <p>b) Provide the result of the sensitivity analysis to changing WMP. PG&amp;E will be able to provide results in 2023 that quantify the effectiveness of shorter versus longer simulation durations.</p> <p>c) Describe the result of the sensitivity analysis discussed above.</p> <p>d) Provide any written reports, notes, or other output of the sensitivity analysis discussed above.</p>	Holy Wetteman	492024	4120204	4120204	<a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a> <a href="https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events">https://www.pge.com/energy/development/undergrounding/2023-2025-reduction-in-customer-exposure-to-pssp-events</a>	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence

541	CaPA	Sat WMP-42	CaPA_Sat WMP-42	3	CaPA_Sat WMP-42_03	<p>Page 7 of PG&amp;E's 2025 WMP Update states, with regard to PG&amp;E's distribution event probability models, "Improvements were made to improve asset, lightning, and outage data quality." List and explain the significant efforts discussed above.</p>	<p>As mentioned on page 7 of PG&amp;E's 2025 WMP, the following is a more detailed list of specific data quality improvements that are a result of the continuous effort to improve the quality and utilization of model data for assets, lightning, and outages.</p> <ul style="list-style-type: none"> <li>Asset data quality improvements included: <ul style="list-style-type: none"> <li>Tracing asset failures and asset history back in time to identify the asset that failed and its characteristics.</li> <li>Gathering asset information related to causal pathways as recommended by Subject Matter Experts (SMEs).</li> </ul> </li> <li>For support structures, this included: <ul style="list-style-type: none"> <li>Incorporating pole remaining strength as a feature in the model.</li> <li>For primary conductors, this included: <ul style="list-style-type: none"> <li>Characterizing conductor flow software outputs.</li> <li>Drifting conductor material and size limits from categorical model levels to continuous model levels (i.e. conductor diameter, conductor strength, and conductor sag).</li> </ul> </li> <li>Using LDMR data and office observations when available in HFTD areas.</li> <li>Incorporating 7000-foot diameter HFTD model developed by the Applied Technology Services (ATS) team to improve the accuracy of conductor and wind data.</li> <li>Including open logs.</li> <li>For primary protective devices, fuses, switches, capacitor banks, and voltage regulators.</li> <li>Gathering asset attributes as captured in EDCIS over time (2016-2022).</li> <li>Including open logs.</li> <li>Creating methodologies to estimate asset age when missing.</li> <li>Reporting asset data quality issues to the Asset Knowledge Management team to resolve.</li> </ul> <p>Lightning data quality improvements were primarily focused on: <ul style="list-style-type: none"> <li>Enhancing lightning ignition data for use in the wildfire consequence model.</li> <li>Reporting data quality issues back to the lightning investigation team to resolve.</li> <li>Charge data quality improvements included: <ul style="list-style-type: none"> <li>Improving the incorporating vegetation outage report details &amp; longitude locations to the data.</li> <li>Ensuring that incorporating vegetation comes from the paper "Firestorm Dominance and Risk Assessment of Weather-Related Outages" by Rui Yao found here: <a href="https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf">https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf</a></li> </ul> </li> </ul> <p>When Yao paper, a probability density function is defined (Equation 14) which quantifies the probability per angle that lightning from a spark location in the case of a flash location, will project itself into a conductor given the conductor's normal vector and direction of the wind. This probability density is integrated along the conductor and the angle, to calculate the total probability of a lightning strike in a given direction, the tree's location, and the location of the conductor segment.</p> <p>Data to the availability of LDMR for the distribution system. Plans a canopy height factor (CH) (2023) to assess the impact of the distribution grid and an average distribution in the height of 8 meters to determine which of the trees within the canopy height could fall into a conductor and, approximately, which paths.</p> <p>Previously there was a chance of transactions from the tree falling into a conductor for wind vectors. Additionally, PG&amp;E's system is used to calculate in 1 to 2 m, cells and communicates the vector components at 10m and the response length of each calculate segments of higher vectors in 10m increments. The wind speed increments and cover the years 2015-2021. Only the the season and wind speeds above 17.7 meters per second is considered. Please note that the value of CH was the value that the odds of a tree falling in a storm are equal to a tree falling not in a storm (which is 0.5).</p> <p>The climatic calculation is as follows: <ul style="list-style-type: none"> <li>The grid is divided into segments of 1.5 meters in length. For each 5-meter segment, and for each side risk for that segment, the total probability along the tree segment is calculated for all one-hour intervals of wind speeds greater than 7.7 m/s. All calculated probabilities are summed over a 24-hour period.</li> <li>A second quantity is calculated by weighting each hourly probability by the increased odds of wind damage during the hour. This is done using the log-odds (Equation 15) into a probability, which is multiplied by the directional probability and finally multiplying by the inverse distance from the segment to the 5-meter segment to get the total probability for each segment and direction index is then found for each 5-meter segment by summing over all trees that influence it. Finally, each 5-meter segment is averaged in a grid of the 100-meter resolution meter used in the WORM and all associated data is then used by the reactor based on ground and asset projections of the pole. The condition codes range from 1 = no visible damage, to 3 = moderate damage, to 5 = immediate safety concern. The framework estimates the remaining strength from the condition codes using a simple linear relationship between condition codes and remaining strength. The relationship is anchored at two points: condition code = 1 is translated to remaining strength = 100% (no damage) while a condition code = 3 is translated to remaining strength = 87% (or 27%). The strength loss of 20% is based on California General Order 95 which is a threshold for repair or replacement of a component. The two anchor points define the translation and other condition codes are translated either linear interpolation or linear extrapolation.</li> <li>Based on the linear relationship, the strength degradation associated with a condition code of 2 is calculated to be 16% (100% - 84% = 16%). The conservative translation from the strength loss to the strength loss is 16% (100% - 84% = 16%).</li> <li>Condition code = 4 is translated to remaining strength = 87% (100% - 13% = 87%).</li> <li>Condition code = 5 is translated to remaining strength = 67% (100% - 33% = 67%).</li> </ul> <p>The framework estimates that only 10% of condition codes are considered to be condition code = 1, which is typically used for a less than perfect condition that does not require repair. The weak condition slightly conservative for a performance that is as strong as the pole, which was Asset Strategy's understanding of the extent of the performance for this location. PG&amp;E continues to update the performance.</p> <p>No. PG&amp;E does not plan to attempt to change the fact that the wind speed data was used to highlight shorter lines.</p> <p>If the answer is part (a) is no, explain why not.</p> </p></p></li></ul>	Holly Wettem	4/30/2024	4/12/2024	4/12/2024	<a href="https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf">https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf</a>	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
542	CaPA	Sat WMP-42	CaPA_Sat WMP-42	4	CaPA_Sat WMP-42_04	<p>Table PG&amp;E-B.1.1.1 on page 8 of PG&amp;E's 2025 WMP Update indicates that WORM includes wind direction in its input models.</p> <p>Describe how wind direction is incorporated in the distribution model in WORM v4.</p> <p>Does the data sources that PG&amp;E uses to incorporate wind direction into its risk model.</p> <p>Describe the benefits of incorporating wind direction into the risk model.</p>	<p>Table PG&amp;E-B.1.1.1 on page 8 of PG&amp;E's 2025 WMP Update indicates that WORM includes wind direction in its input models.</p> <p>Describe how wind direction is incorporated in the distribution model in WORM v4.</p> <p>Does the data sources that PG&amp;E uses to incorporate wind direction into its risk model.</p> <p>Describe the benefits of incorporating wind direction into the risk model.</p>	Holly Wettem	4/30/2024	4/12/2024	4/12/2024	<a href="https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf">https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf</a>	0	NA	6.2.1	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
543	CaPA	Sat WMP-42	CaPA_Sat WMP-42	5	CaPA_Sat WMP-42_05	<p>Page 16 of PG&amp;E's 2025 WMP Update states, "In the WTRM of updates, we corrected the wildfire conservative attributes by applying a remaining strength of 52% (equivalent to Condition Code 2) to reinforced poles, in order to provide more accurate results."</p> <p>State the basis for applying a remaining strength of 52% to reinforced poles.</p>	<p>Page 16 of PG&amp;E's 2025 WMP Update states, "In the WTRM of updates, we corrected the wildfire conservative attributes by applying a remaining strength of 52% (equivalent to Condition Code 2) to reinforced poles, in order to provide more accurate results."</p> <p>State the basis for applying a remaining strength of 52% to reinforced poles.</p>	Holly Wettem	4/30/2024	4/12/2024	4/12/2024	<a href="https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf">https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf</a>	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
544	CaPA	Sat WMP-42	CaPA_Sat WMP-42	6	CaPA_Sat WMP-42_06	<p>Page 17 of PG&amp;E's 2025 WMP Update states, "When viewed on a line weighted basis, the relative average risk each transmission line can be viewed for strength. It should be noted that these risk weighted values will not be a right effort plan to use as an asset."</p> <p>Does PG&amp;E plan to correct for the fact that risk weighted values tend to highlight shorter lines?</p> <p>If the answer is part (a) is no, explain the rationale PG&amp;E plans to use.</p> <p>If the answer is part (a) is no, explain why not.</p>	<p>Page 17 of PG&amp;E's 2025 WMP Update states, "When viewed on a line weighted basis, the relative average risk each transmission line can be viewed for strength. It should be noted that these risk weighted values will not be a right effort plan to use as an asset."</p> <p>Does PG&amp;E plan to correct for the fact that risk weighted values tend to highlight shorter lines?</p> <p>If the answer is part (a) is no, explain the rationale PG&amp;E plans to use.</p> <p>If the answer is part (a) is no, explain why not.</p>	Holly Wettem	4/30/2024	4/12/2024	4/12/2024	<a href="https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf">https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf</a>	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
545	CaPA	Sat WMP-42	CaPA_Sat WMP-42	7	CaPA_Sat WMP-42_07	<p>Page 24 of PG&amp;E's 2025 WMP Update states that PG&amp;E is adjusting target PS-0 (Reduce PPS) impact to Customers in 2025 estimated by 90% to account for a 40% decrease in underground cables.</p> <p>Does PG&amp;E expect a similar reduction in the number of EPSS customer events mitigated in 2025? Explain your response.</p>	<p>Page 24 of PG&amp;E's 2025 WMP Update states that PG&amp;E is adjusting target PS-0 (Reduce PPS) impact to Customers in 2025 estimated by 90% to account for a 40% decrease in underground cables.</p> <p>Does PG&amp;E expect a similar reduction in the number of EPSS customer events mitigated in 2025? Explain your response.</p>	Holly Wettem	4/30/2024	4/12/2024	4/12/2024	<a href="https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf">https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-14 Effectiveness Analysis for EPSS Including Implementation of DCD
546	CaPA	Sat WMP-42	CaPA_Sat WMP-42	8	CaPA_Sat WMP-42_08	<p>Page 29 of PG&amp;E's 2025 WMP Update states that PG&amp;E's 2025 forecast capital expenditure associated with covered conductor installation will increase by a factor of 5.5, from \$4.1 billion to \$24.1 billion.</p> <p>The updated Table PG&amp;E-B.1.2.1 on page 402 of PG&amp;E's 2025 WMP R3 includes information that, in 2025, the mileage associated with covered conductor installation will increase by a factor of 4, from 50 miles to 200 miles.</p> <p>Please explain why PG&amp;E's capital forecast for 2025 will increase by a factor of 5.5 while the mileage will increase by a factor of 4.</p>	<p>Page 29 of PG&amp;E's 2025 WMP Update states that PG&amp;E's 2025 forecast capital expenditure associated with covered conductor installation will increase by a factor of 5.5, from \$4.1 billion to \$24.1 billion.</p> <p>The updated Table PG&amp;E-B.1.2.1 on page 402 of PG&amp;E's 2025 WMP R3 includes information that, in 2025, the mileage associated with covered conductor installation will increase by a factor of 4, from 50 miles to 200 miles.</p> <p>Please explain why PG&amp;E's capital forecast for 2025 will increase by a factor of 5.5 while the mileage will increase by a factor of 4.</p>	Holly Wettem	4/30/2024	4/12/2024	4/12/2024	<a href="https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf">https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf</a>	0	NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures
547	CaPA	Sat WMP-42	CaPA_Sat WMP-42	9	CaPA_Sat WMP-42_09	<p>In comparison to PG&amp;E's WORM v4, does WORM v4:</p> <p>Allow 10% percent or more of ground risk into or out of the top lightning risk circuits, segments, or spans? If yes, please provide the data in the format of Table 1.1 in section 1.1 of the 2025 WMP. Mitigation Plan Update Outcomes for both WORM v4 and v5.</p> <p>Allow 10 percent or more of PPS risk into or out of the top PPS risk circuits, segments, or spans? If yes, please provide the data in the format of Table 1.2 in section 1.1 of the 2025 WMP. Mitigation Plan Update Outcomes for both WORM v4 and v5.</p>	<p>In comparison to PG&amp;E's WORM v4, does WORM v4:</p> <p>Allow 10% percent or more of ground risk into or out of the top lightning risk circuits, segments, or spans? If yes, please provide the data in the format of Table 1.1 in section 1.1 of the 2025 WMP. Mitigation Plan Update Outcomes for both WORM v4 and v5.</p> <p>Allow 10 percent or more of PPS risk into or out of the top PPS risk circuits, segments, or spans? If yes, please provide the data in the format of Table 1.2 in section 1.1 of the 2025 WMP. Mitigation Plan Update Outcomes for both WORM v4 and v5.</p>	Holly Wettem	4/30/2024	4/12/2024	4/12/2024	<a href="https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf">https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf</a>	1	NA	6.2.1	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
548	CaPA	Sat WMP-43	CaPA_Sat WMP-43	1	CaPA_Sat WMP-43_01	<p>There does not appear to be an option of covered conductor with both EPSS and DCD.</p> <p>Do PG&amp;E consider alternatives that consist of covered conductor with EPSS and DCD?</p> <p>If the answer is part (a) is no, why is the option not included as one of the possible alternatives in the WSCA?</p> <p>If the answer is part (a) is no, why not?</p>	<p>There does not appear to be an option of covered conductor with both EPSS and DCD.</p> <p>Do PG&amp;E consider alternatives that consist of covered conductor with EPSS and DCD?</p> <p>If the answer is part (a) is no, why is the option not included as one of the possible alternatives in the WSCA?</p> <p>If the answer is part (a) is no, why not?</p>	Holly Wettem	4/12/2024	4/12/2024	4/12/2024	<a href="https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf">https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Grid Hardening Decision Matrix
549	CaPA	Sat WMP-43	CaPA_Sat WMP-43	2	CaPA_Sat WMP-43_02	<p>The blended average effectiveness for alternative 9 (REFCL with covered conductor, EPSS, and DCD) is lower than alternative 4 (covered conductor with EPSS).</p> <p>Why does the effectiveness for alternative 9 appear lower than alternative 4, although alternative 9 appears to reduce more mitigation techniques?</p>	<p>The blended average effectiveness for alternative 9 (REFCL with covered conductor, EPSS, and DCD) is lower than alternative 4 (covered conductor with EPSS).</p> <p>Why does the effectiveness for alternative 9 appear lower than alternative 4, although alternative 9 appears to reduce more mitigation techniques?</p>	Holly Wettem	4/12/2024	4/12/2024	4/12/2024	<a href="https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf">https://www.pge.com/~/media/PDF/Reports/2023/2023_The_Firestorm.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Updating Grid Hardening Decision Matrix









572	CAIPA	Set WMP-44	CAIPA_Set WMP-44	2	CAIPA_Set WMP-44_02	<p>Page 54 of PG&amp;E's 2025 WMP Update states: "To determine circuit segment-level mitigation effectiveness, the WSCA will adjust for the outage combinations likely to occur on a given circuit segment, their estimated frequency, and their contribution to overall risk on the circuit segment."</p> <p>a) Please describe the methods used in the WSCA to adjust for the outage combinations likely to occur on a given circuit segment.</p> <p>b) Please describe the methods used in the WSCA to adjust for the estimated frequency of outage combinations on a given circuit segment.</p> <p>c) Please describe the methods used in the WSCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.</p>	<p>Holly Wettem</p> <p>4/5/2024</p> <p>4/8/2024</p> <p>4/8/2024</p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Outaging Grid Hardware Decision Making
573	CAIPA	Set WMP-44	CAIPA_Set WMP-44	3	CAIPA_Set WMP-44_03	<p>Page 54 of PG&amp;E's 2025 WMP Update states: "To determine circuit segment-level mitigation effectiveness, the WSCA will adjust for the outage combinations likely to occur on a given circuit segment, their estimated frequency, and their contribution to overall risk on the circuit segment."</p> <p>a) Please describe the methods used in the WSCA to adjust for the outage combinations likely to occur on a given circuit segment.</p> <p>b) Please describe the methods used in the WSCA to adjust for the estimated frequency of outage combinations on a given circuit segment.</p> <p>c) Please describe the methods used in the WSCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.</p>	<p>Holly Wettem</p> <p>4/5/2024</p> <p>4/8/2024</p> <p>4/8/2024</p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Outaging Grid Hardware Decision Making
574	CAIPA	Set WMP-44	CAIPA_Set WMP-44	4	CAIPA_Set WMP-44_04	<p>Page 56 of PG&amp;E's 2025 WMP Update discusses Understanding versus Overlapping Hardware. Understanding is stated to have greater total permanent risk reduction, but it takes longer and costs more to install.</p> <p>a) Please describe the methods used in the WSCA to adjust for the outage combinations likely to occur on a given circuit segment.</p> <p>b) Please describe the methods used in the WSCA to adjust for the estimated frequency of outage combinations on a given circuit segment.</p> <p>c) Please describe the methods used in the WSCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.</p>	<p>Holly Wettem</p> <p>4/5/2024</p> <p>4/8/2024</p> <p>4/8/2024</p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Outaging Grid Hardware Decision Making
575	CAIPA	Set WMP-44	CAIPA_Set WMP-44	5	CAIPA_Set WMP-44_05	<p>Page 57 of PG&amp;E's 2025 WMP Update states: "Regarding cost effectiveness scores, the underlying project in PG&amp;E's current scenario were previously assessed using methodology WDRM 12 and 13 that did not consider cost effectiveness scores for individual projects. Therefore, cost effectiveness scores are not available."</p> <p>a) Define the term "underlying project" in the above statement.</p> <p>b) Please describe the methods used in the WSCA to adjust for the outage combinations likely to occur on a given circuit segment.</p> <p>c) Please describe the methods used in the WSCA to adjust for the estimated frequency of outage combinations on a given circuit segment.</p> <p>d) Please describe the methods used in the WSCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.</p>	<p>Holly Wettem</p> <p>4/5/2024</p> <p>4/8/2024</p> <p>4/8/2024</p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - Outaging Grid Hardware Decision Making
576	CAIPA	Set WMP-44	CAIPA_Set WMP-44	6	CAIPA_Set WMP-44_06	<p>Figure ACPG&amp;E-23-03-01 on page 40 of PG&amp;E's 2025 WMP Update states: "When considering the overall wildfire risk with EPSC and PSPS, this is left to Distribution Overhead."</p> <p>a) Please describe the methods used in the WSCA to adjust for the outage combinations likely to occur on a given circuit segment.</p> <p>b) Please describe the methods used in the WSCA to adjust for the estimated frequency of outage combinations on a given circuit segment.</p> <p>c) Please describe the methods used in the WSCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.</p>	<p>Holly Wettem</p> <p>4/5/2024</p> <p>4/8/2024</p> <p>4/8/2024</p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-05 - PSPS and Wildfire Risk Trade-Off Transparency
577	CAIPA	Set WMP-44	CAIPA_Set WMP-44	7	CAIPA_Set WMP-44_07	<p>Figure ACPG&amp;E-23-03-01 on page 40 of PG&amp;E's 2025 WMP Update indicates that wildfire risk is approximately \$20.688 million, and PSPS and EPSC combined reduce the wildfire risk by approximately \$16.359 million.</p> <p>a) Please describe the methods used in the WSCA to adjust for the outage combinations likely to occur on a given circuit segment.</p> <p>b) Please describe the methods used in the WSCA to adjust for the estimated frequency of outage combinations on a given circuit segment.</p> <p>c) Please describe the methods used in the WSCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.</p>	<p>Holly Wettem</p> <p>4/5/2024</p> <p>4/8/2024</p> <p>4/8/2024</p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-02 - PSPS and Wildfire Risk Trade-Off Transparency
578	CAIPA	Set WMP-44	CAIPA_Set WMP-44	8	CAIPA_Set WMP-44_08	<p>Figure ACPG&amp;E-23-03-01 on page 40 of PG&amp;E's 2025 WMP Update indicates that wildfire risk is approximately \$20.688 million, and PSPS and EPSC combined reduce the wildfire risk by approximately \$16.359 million.</p> <p>a) Please describe the methods used in the WSCA to adjust for the outage combinations likely to occur on a given circuit segment.</p> <p>b) Please describe the methods used in the WSCA to adjust for the estimated frequency of outage combinations on a given circuit segment.</p> <p>c) Please describe the methods used in the WSCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.</p>	<p>Holly Wettem</p> <p>4/5/2024</p> <p>4/8/2024</p> <p>4/8/2024</p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-02 - PSPS and Wildfire Risk Trade-Off Transparency
579	CAIPA	Set WMP-44	CAIPA_Set WMP-44	9	CAIPA_Set WMP-44_09	<p>Page 68 of PG&amp;E's 2025 WMP Update states: "COPC maintains this system on EPSC enabled circuits were reduced by approximately 22% relative to the three-year historical average."</p> <p>a) Please describe the methods used in the WSCA to adjust for the outage combinations likely to occur on a given circuit segment.</p> <p>b) Please describe the methods used in the WSCA to adjust for the estimated frequency of outage combinations on a given circuit segment.</p> <p>c) Please describe the methods used in the WSCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.</p>	<p>Holly Wettem</p> <p>4/5/2024</p> <p>4/8/2024</p> <p>4/8/2024</p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-14 - Effectiveness Analysis for EPSC Implementation of DCD
580	CAIPA	Set WMP-44	CAIPA_Set WMP-44	10	CAIPA_Set WMP-44_10	<p>The following table is from PG&amp;E's 2022 Annual Electric Reliability Report, page 12:</p> <p>a) Please describe the methods used in the WSCA to adjust for the outage combinations likely to occur on a given circuit segment.</p> <p>b) Please describe the methods used in the WSCA to adjust for the estimated frequency of outage combinations on a given circuit segment.</p> <p>c) Please describe the methods used in the WSCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.</p>	<p>Holly Wettem</p> <p>4/5/2024</p> <p>4/8/2024</p> <p>4/8/2024</p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p>	0	NA	NA	NA	NA
581	CAIPA	Set WMP-44	CAIPA_Set WMP-44	11	CAIPA_Set WMP-44_11	<p>Page 67 of PG&amp;E's 2025 WMP Update states: "The 2023 FTI increased heat inspection program explored enhanced inspection practices and evaluated improvements to additional resources to further inform and guide clearance recommendations. Based on results of the 2023 FTI, the program was updated to include 1,500 miles of work in 2024."</p> <p>a) Please describe the methods used in the WSCA to adjust for the outage combinations likely to occur on a given circuit segment.</p> <p>b) Please describe the methods used in the WSCA to adjust for the estimated frequency of outage combinations on a given circuit segment.</p> <p>c) Please describe the methods used in the WSCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.</p>	<p>Holly Wettem</p> <p>4/5/2024</p> <p>4/8/2024</p> <p>4/8/2024</p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-19 - Continued Progression of Vegetation Management Maturity
582	CAIPA	Set WMP-44	CAIPA_Set WMP-44	12	CAIPA_Set WMP-44_12	<p>Table ACPG&amp;E-23-23-1 on page 112 of PG&amp;E's 2025 WMP Update includes the following entry:</p> <p>a) Please describe the methods used in the WSCA to adjust for the outage combinations likely to occur on a given circuit segment.</p> <p>b) Please describe the methods used in the WSCA to adjust for the estimated frequency of outage combinations on a given circuit segment.</p> <p>c) Please describe the methods used in the WSCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.</p>	<p>Holly Wettem</p> <p>4/5/2024</p> <p>4/8/2024</p> <p>4/8/2024</p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-23 - Weather Station Maintenance and Calibration
583	CAIPA	Set WMP-44	CAIPA_Set WMP-44	13	CAIPA_Set WMP-44_13	<p>Table ACPG&amp;E-23-23-1 on page 113 of PG&amp;E's 2025 WMP Update includes the following entry:</p> <p>a) Please describe the methods used in the WSCA to adjust for the outage combinations likely to occur on a given circuit segment.</p> <p>b) Please describe the methods used in the WSCA to adjust for the estimated frequency of outage combinations on a given circuit segment.</p> <p>c) Please describe the methods used in the WSCA to adjust for the contribution of outage combinations to overall risk on a given circuit segment.</p>	<p>Holly Wettem</p> <p>4/5/2024</p> <p>4/8/2024</p> <p>4/8/2024</p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p> <p><a href="https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis">https://www.pge.com/Form/Topic/Outage/Outage%20Combination%20Analysis</a></p>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-23 - Weather Station Maintenance and Calibration

584	CaPA	Sat WMP-45	CaPA_Sat WMP-45	1	CaPA_Sat WMP-45_01	<p>Regarding the usage of Wildlife Distribution Risk Model (WDRM) v4 in scoping covered conductor and underground projects that are the subject of such as the System Reliability Improvement Program required by D.11-064. PG&amp;E values the following in response to Question 6 of data request: CalAECASaves-POSE-2023WMP-04. The scope of the WDRM System Reliability Improvement Program includes System Reliability with completed the CRIC period (2023-2025). Projects in this time period are not currently anticipated to be informed by WDRM v4 in the next project selected by WDRM v4 and are being planned for completion during the time period. WDRM v4 information would be included in the SHAR in the existing revised field file. (i.e., Applicable Risk Model File, Revision 1, etc.)</p> <p>(a) In the event projects selected with WDRM v4 do not get being planned for completion in the CRIC period, will PG&amp;E submit an addendum to the SHAR to reflect usage of WDRM v4? Please explain your answer.</p> <p>(b) In the event projects selected with WDRM v4 do not get being planned for completion in the CRIC period, will PG&amp;E submit an addendum to the SHAR to reflect usage of WDRM v4? Please explain your answer.</p> <p>(c) In the event projects selected with WDRM v4 do not get being planned for completion in the CRIC period, will PG&amp;E submit an addendum to the SHAR to reflect usage of WDRM v4? Please explain your answer.</p>	Holly Wetman	4/5/2024	4/18/2024	4/18/2024	<a href="https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf">https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf</a>	0	NA	6.2.2.2	6.0 Risk Methodology and Assessment	6.2.2.2 Consequence
585	MSRA	Data Request No. 11	MSRA_Data Request No. 11	1	MSRA_Data Request No. 11_01	<p>Please provide non-confidential versions of any responses to CalAECASaves data requests if the responses to CalAECASaves are confidential.</p>	Joseph Michael	4/5/2024	4/18/2024	4/18/2024	<a href="https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf">https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf</a>	0	NA	6.2.1	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
586	MSRA	Data Request No. 11	MSRA_Data Request No. 11	2	MSRA_Data Request No. 11_02	<p>Please provide a non-confidential version of documentation containing a description of WDRM v4, including testing and validation.</p>	Joseph Michael	4/18/2024	4/18/2024	4/18/2024	<a href="https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf">https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf</a>	0	NA	6.2.1	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
587	MSRA	Data Request No. 11	MSRA_Data Request No. 11	3	MSRA_Data Request No. 11_03	<p>If E3 or another consulting group has analyzed WDRM v4, please provide a non-confidential version of the report.</p>	Joseph Michael	4/18/2024	4/18/2024	4/18/2024	<a href="https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf">https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf</a>	0	NA	6.2.1	6.0 Risk Methodology and Assessment	6.2.1 Risk and Risk Component Identification
588	CaPA	Sat WMP-46	CaPA_Sat WMP-46	1	CaPA_Sat WMP-46_01	<p>Regarding Attachment 2024-04-02_PGE_2023_WMP-Update-04-01, please provide the following information:</p> <p>(a) Please provide a description or definition of each column in both worksheets.</p> <p>(b) Please state the basis for using 1.6157 as the conversion factor for column T.</p> <p>(c) Please identify which column is the "Output Data" worksheet.</p> <p>(d) The range of data in column U (2023, percentage, open, unmet) in the "CFP Data" worksheet is 0-99%. Please state the time scale this is applicable for. For example, is this 30 days of the calendar year?</p> <p>(e) Please clarify what the data reported in column V (2023, open, unmet, critical, risk, days) in the "CFP Data" worksheet represents.</p>	Holly Wetman	4/17/2024	4/22/2024	4/22/2024	<a href="https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf">https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf</a>	1	NA	11.4	Appendix C - Areas for Continued Improvement	11.4 AD PGE 23-08 Continuation of Cost Recovery Joint Studies
589	CaPA	Sat WMP-46	CaPA_Sat WMP-46	2	CaPA_Sat WMP-46_02	<p>(a) PG&amp;E's Community Safety Program website includes two procedures related to infrared (IR) inspections: TD-10109-14 and TD-2022-01.</p> <p>(b) Please describe the circumstances in which PG&amp;E utilizes the TD-10109-14 procedure.</p> <p>(c) Please describe the circumstances in which PG&amp;E utilizes the TD-2022-01 procedure.</p> <p>(d) Please provide copies of all prior revisions of TD-10109-14, including bulletins or job aids associated with those prior revisions.</p> <p>(e) Please provide copies of all prior revisions of TD-2022-01, including bulletins or job aids associated with those prior revisions.</p> <p>(f) Please identify all procedures (including associated bulletins or job aids) related to infrared inspections of distribution infrastructure that were in effect during 2023.</p> <p>(g) Please provide copies of each document response to part (f) that has not been provided in response to previous parts of the question.</p> <p>(h) Please identify all procedures (including associated bulletins or job aids) related to infrared inspections of distribution infrastructure that were in effect during 2024.</p> <p>(i) Please provide copies of each document response to part (h) that has not been provided in response to previous parts of the question.</p> <p>(j) Please identify all procedures (including associated bulletins or job aids) related to infrared inspections of distribution infrastructure that were in effect during 2017.</p> <p>(k) Please provide copies of each document response to part (j) that has not been provided in response to previous parts of the question.</p> <p>(l) Please identify all procedures (including associated bulletins or job aids) related to infrared inspections of distribution infrastructure that were in effect during 2014.</p> <p>(m) Please provide copies of each document response to part (l) that has not been provided in response to previous parts of the question.</p>	Holly Wetman	4/17/2024	4/22/2024	4/22/2024	<a href="https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf">https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf</a>	18	NA	6.1.3.1.4	8.0 Wildlife Mitigation	8.1.3.1.4 Infrared Inspection
590	CaPA	Sat WMP-46	CaPA_Sat WMP-46	3	CaPA_Sat WMP-46_03	<p>In response to data request CalAECASaves-POSE-2023WMP-03, question 1, PG&amp;E provided attachment "WMP-Discovery2023-2025_DR_CalAECASaves_03-001 Amdt3.xlsx".</p> <p>The following questions refer to the file "2023 Data" in the "Inspection Data" worksheet:</p> <p>(a) Please explain the "QC Date" (column R).</p> <p>(b) Please explain the "QC Date" (column S).</p> <p>(c) Please explain the "QC Date" (column T).</p> <p>(d) Does PG&amp;E have a standard for the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>(e) If the answer to part (d) is yes, what is the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>(f) If the answer to part (d) is no, why not?</p> <p>(g) Does PG&amp;E have a standard for the maximum amount of time that is allowable between an inspection and the CA completion date?</p> <p>(h) If the answer to part (g) is yes, what is the maximum amount of time that is allowable between an inspection and the CA completion date?</p> <p>(i) If the answer to part (g) is no, why not?</p> <p>(j) Does PG&amp;E have a standard for the maximum amount of time that is allowable between an inspection and the CA completion date?</p> <p>(k) If the answer to part (k) is yes, please provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer.</p> <p>(l) If the answer to part (k) is no, why not?</p>	Holly Wetman	4/17/2024	4/25/2024	4/25/2024	<a href="https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf">https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf</a>	0	NA	6.1.6	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)
591	CaPA	Sat WMP-46	CaPA_Sat WMP-46	4	CaPA_Sat WMP-46_04	<p>In response to data request CalAECASaves-POSE-2023WMP-03, question 1, PG&amp;E provided attachment "WMP-Discovery2023-2025_DR_CalAECASaves_03-001 Amdt3.xlsx".</p> <p>The following questions refer to the file "2023 Data" in the "Inspection Data" worksheet:</p> <p>(a) Please explain the "QC Date" (column R).</p> <p>(b) Please explain the "QC Date" (column S).</p> <p>(c) Please explain the "QC Date" (column T).</p> <p>(d) Does PG&amp;E have a standard for the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>(e) If the answer to part (d) is yes, what is the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>(f) If the answer to part (d) is no, why not?</p> <p>(g) Does PG&amp;E have a standard for the maximum amount of time that is allowable between an inspection and the CA completion date?</p> <p>(h) If the answer to part (g) is yes, what is the maximum amount of time that is allowable between an inspection and the CA completion date?</p> <p>(i) If the answer to part (g) is no, why not?</p> <p>(j) Does PG&amp;E have a standard for the maximum amount of time that is allowable between an inspection and the CA completion date?</p> <p>(k) If the answer to part (k) is yes, please provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer.</p> <p>(l) If the answer to part (k) is no, why not?</p>	Holly Wetman	4/17/2024	4/25/2024	4/25/2024	<a href="https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf">https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf</a>	0	NA	6.1.6	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)
592	CaPA	Sat WMP-46	CaPA_Sat WMP-46	5	CaPA_Sat WMP-46_05	<p>In response to data request CalAECASaves-POSE-2023WMP-03, question 1, PG&amp;E provided attachment "WMP-Discovery2023-2025_DR_CalAECASaves_03-001 Amdt3.xlsx".</p> <p>The following questions refer to the file "Inspection Data" in the "Inspection Data" worksheet:</p> <p>(a) Please explain the "QC Date" (column R).</p> <p>(b) Please explain the "QC Date" (column S).</p> <p>(c) Please explain the "QC Date" (column T).</p> <p>(d) Does PG&amp;E have a standard for the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>(e) If the answer to part (d) is yes, what is the maximum amount of time that is allowable between an inspection and the QC date?</p> <p>(f) If the answer to part (d) is no, why not?</p> <p>(g) Does PG&amp;E have a standard for the maximum amount of time that is allowable between an inspection and the CA completion date?</p> <p>(h) If the answer to part (g) is yes, please provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer.</p> <p>(i) If the answer to part (g) is no, why not?</p> <p>(j) Does PG&amp;E have a standard for the maximum amount of time that is allowable between an inspection and the CA completion date?</p> <p>(k) If the answer to part (k) is yes, please provide any relevant procedures, specifications, job aids, bulletins, or other documentation to support your answer.</p> <p>(l) If the answer to part (k) is no, why not?</p>	Holly Wetman	4/17/2024	4/25/2024	4/25/2024	<a href="https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf">https://www.pge.com/~/media/Files/04/04-02_PGE_2023_WMP-Update-04-01.pdf</a>	1	NA	6.1.6	Section 8.1.6 - Quality Assurance and Quality Control	8.1.6.1 Quality Assurance (QA)



599	OEIS	016	OEIS_016	2	OEIS_016_Q2	<p>D02 - Regarding PG&amp;E's Quarterly Targets for Routine Patrol</p> <p>In PG&amp;E's 2023 WMP Update, PG&amp;E sets quarterly targets for Routine Patrol - Distribution (10-16), 2023 and 2024 targets are included for reference.</p> <p>PG&amp;E's Routine Patrol Targets by Year in Circuit Mile</p> <p>Year</p> <p>End of Q2</p> <p>End of Year</p> <p>2023</p> <p>41,703</p> <p>51,805</p> <p>71,000</p> <p>2024</p> <p>42,000</p> <p>58,000</p> <p>76,000</p> <p>17,200</p> <p>17,200</p> <p>18,200</p> <p>18,200</p> <p>% 2023-2025</p> <p>18.7%</p> <p>18.7%</p> <p>1%</p> <p>While PG&amp;E's end of year target has remained relatively constant from 2023 to 2025, the end of Q2 and end of Q3 begins to show increased performance.</p> <p>2. Why have PG&amp;E's end of Q2 and end of Q3 targets for routine patrol decreased year-over-year since 2022?</p> <p>3. What percentage of PG&amp;E's end of Q2 and end of Q3 2023 targets will be completed within the HFY?*</p> <p>4. How will PG&amp;E monitor the use of ITD and other high risk areas as requested in a timely manner to mitigate wildfire risk before and during wildfire season?</p>	Blair Hill	4/22/2024	4/25/2024	4/25/2024	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 AD PG&E 23-09 Decrease in Desired Distribution Inspections
600	OEIS	016	OEIS_016	3(2)	OEIS_016_Q2(2)	<p>D03 - Regarding PG&amp;E's Adjustments to its WORM</p> <p>In its 2023 WMP Update, PG&amp;E discusses the changes made between its Wildlife Distribution Risk Model (WORM) Version 3 (V3) to Version 4 (V4). Based off these changes, provide:</p> <p>1. An updated version of Table 6-5 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>2. An updated version of Table 7-2 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>3. An updated version of Figure 7-1 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>4. An updated version of Table 7-4 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>5. A graph demonstrating the overlaid risk scores between V3 and V4, similar to the graph provided in Data Request OEIS-PG&amp;E-22-018 Question 17 showing the difference in output between V2 and V3.</p>	Blair Hill	4/22/2024	11/4/2024			NA	6.1.2	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
600	OEIS	016	OEIS_016	3	OEIS_016_Q3	<p>D03 - Regarding PG&amp;E's Adjustments to its WORM</p> <p>In its 2023 WMP Update, PG&amp;E discusses the changes made between its Wildlife Distribution Risk Model (WORM) Version 3 (V3) to Version 4 (V4). Based off these changes, provide:</p> <p>1. An updated version of Table 6-5 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>2. An updated version of Table 7-2 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>3. An updated version of Figure 7-1 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>4. An updated version of Table 7-4 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>5. A graph demonstrating the overlaid risk scores between V3 and V4, similar to the graph provided in Data Request OEIS-PG&amp;E-22-018 Question 17 showing the difference in output between V2 and V3.</p>	Blair Hill	4/22/2024	4/25/2024	4/25/2024	0	NA	6	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
600	OEIS	016	OEIS_016	3(3)	OEIS_016_Q3(3)	<p>D03 - Regarding PG&amp;E's Adjustments to its WORM</p> <p>In its 2023 WMP Update, PG&amp;E discusses the changes made between its Wildlife Distribution Risk Model (WORM) Version 3 (V3) to Version 4 (V4). Based off these changes, provide:</p> <p>1. An updated version of Table 6-5 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>2. An updated version of Table 7-2 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>3. An updated version of Figure 7-1 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>4. An updated version of Table 7-4 from its 2023-2025 WMP based on any changes made to the top risk circuit segments between V3 and V4.</p> <p>5. A graph demonstrating the overlaid risk scores between V3 and V4, similar to the graph provided in Data Request OEIS-PG&amp;E-22-018 Question 17 showing the difference in output between V2 and V3.</p>	Blair Hill	4/22/2024	5/8/2024	5/8/2024	1	NA	6.1.2	Section 6 - Risk Methodology and Assessment	6.1.2 Summary of Risk Models
601	MGRA	Date Request No. 12	MGRA_Data_Request No. 12	1	MGRA_Data_Request No. 12_01	<p>Please provide an Excel spreadsheet giving the mapping between PG&amp;E weather station IDs and IDs used by Synlogic for the PG&amp;E measured if these IDs are different.</p>	Joseph Michael	4/25/2024	4/30/2024	4/29/2024	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 AD PG&E 23-03 - Weather Station Maintenance and Calibration
602	Green Power Institute (GPI)	003	Green Power Institute (GPI)_003	1	Green Power Institute (GPI)_003_01	<p>Please provide any PG&amp;E address, meeting materials, and meeting minutes generated for and/or presented at the Joint IOU working session held in 2023 to discuss the different types of programs and practices each IOU has in place for disposing and recycling woody debris and vegetation [1].</p> <p>[1] SOG&amp;E 2023 WMP Update, April 2, 2024, pg. 52-53</p>	Zoe Harold	4/26/2024	5/1/2024	5/1/2024	6	NA	6	Section 8.2 - Vegetation Management and Inspections	8.2.3 Vegetation and Fuels Management
603	Green Power Institute (GPI)	003	Green Power Institute (GPI)_003	2	Green Power Institute (GPI)_003_02	<p>Please provide any PG&amp;E address, meeting materials, and meeting minutes generated for and/or presented at the Joint IOU meeting held in 2023 to discuss each utility's respective fuels management programs and begin initial collaboration on a possible working study on best practices and efficacy of fuels management [2].</p> <p>[2] SOG&amp;E 2023 WMP Update, April 2, 2024, pg. 52-53</p>	Zoe Harold	4/26/2024	5/1/2024	5/1/2024	6	NA	6	Section 8.2 - Vegetation Management and Inspections	8.2.3 Vegetation and Fuels Management
604	Green Power Institute (GPI)	003	Green Power Institute (GPI)_003	3	Green Power Institute (GPI)_003_03	<p>Please provide a summary of any developments since the 2023 meeting and working sessions towards initiating a Joint IOU working study on best practices and efficacy of fuels management, including but not limited to planned topics for inclusion in the working study.</p>	Zoe Harold	4/26/2024	5/1/2024	5/1/2024	0	NA	6	Section 8.2 - Vegetation Management and Inspections	8.2.3 Vegetation and Fuels Management







823	CaPA	Set WMP-48	CaPA_Set WMP-48	5	CaPA_Set WMP-48_05	<p>Please provide the list of circuit breakers that are directly upstream of PG&amp;E's distribution lines, including the following information:</p> <ul style="list-style-type: none"> <li>a) Voltage;</li> <li>b) Whether the circuit is part of the NERC bulk electric system.</li> </ul>	<p>For PG&amp;E's meeting with the Public Advocates Office (CA Advocates) on May 24, 2024, PG&amp;E representatives had to be prepared for a list of transmission lines that receive PG&amp;E's WFID service area inspection of distribution lines and to provide a model of PG&amp;E's transmission system.</p> <p>Please see attachment "WMP-Discovery2023-2025_DR_CalAdvocates_048-00004801.xlsx" for a list of PG&amp;E's WFID transmission lines and their corresponding voltage. Please also see attachment "WMP-Discovery2023-2025_DR_CalAdvocates_048-00004802.xlsx" for documentation showing PG&amp;E's Transmission Outage Reporting System. Please note that these documents have been designated confidential as they contain Critical Energy Infrastructure Information. Additionally, they have also been designated confidential pursuant to the requirements of the Federal Energy Regulatory Commission.</p> <p>The information being provided will allow CA Advocates to perform an independent evaluation of PG&amp;E's transmission lines to determine whether each circuit is part of the NERC Bulk Electric System.</p>	Tyler Hotchkin	5/6/2024	5/31/2024	5/31/2024	<a href="https://www.pge.com/~/media/PDF/Files/Reports/2024-05-31-CA-Advocates-048-00004801-048-00004802.pdf">https://www.pge.com/~/media/PDF/Files/Reports/2024-05-31-CA-Advocates-048-00004801-048-00004802.pdf</a>	2	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
824	CaPA	Set WMP-48	CaPA_Set WMP-48	6	CaPA_Set WMP-48_06	<p>Please provide the number of circuit-mile-days that PG&amp;E activated fast-trip from January to December 2023, by month.</p>	<p>The circuit-mile-days below represent High Risk Area miles enabled with EPSS:</p> <p>Month Not Enabled HFRA Circuit Mile Days  January 2023 1,088  February 2023 2,275  March 2023 16  April 2023 7,028  May 2023 198,797  June 2023 238,813  July 2023 202,791  August 2023 682,768  September 2023 716,688  October 2023 891,383  November 2023 453,553  December 2023 78,135  <b>TOTAL 2,624,881</b></p> <p>The circuit-mile-days below represent EPSS-occupied High Risk Area miles not enabled with EPSS settings in 2023:</p> <p>Month Not Enabled HFRA Circuit Mile Days  January 2023 750,639  February 2023 879,531  March 2023 151,419  April 2023 773,367  May 2023 668,291  June 2023 222,212  July 2023 52,729  August 2023 34,548  September 2023 43,504  October 2023 81,158  November 2023 223,700  December 2023 127,491  <b>TOTAL 4,124,881</b></p>	Tyler Hotchkin	5/6/2024	5/31/2024	5/31/2024	<a href="https://www.pge.com/~/media/PDF/Files/Reports/2024-05-31-CA-Advocates-048-00004803.pdf">https://www.pge.com/~/media/PDF/Files/Reports/2024-05-31-CA-Advocates-048-00004803.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
825	CaPA	Set WMP-48	CaPA_Set WMP-48	7	CaPA_Set WMP-48_07	<p>Please provide the number of circuit-mile-days that PG&amp;E did not activate fast-trip from January to December 2023, by month.</p>	<p>The circuit-mile-days below represent EPSS-occupied High Risk Area miles not enabled with EPSS settings in 2023:</p> <p>Month Not Enabled HFRA Circuit Mile Days  January 2023 750,639  February 2023 879,531  March 2023 151,419  April 2023 773,367  May 2023 668,291  June 2023 222,212  July 2023 52,729  August 2023 34,548  September 2023 43,504  October 2023 81,158  November 2023 223,700  December 2023 127,491  <b>TOTAL 4,124,881</b></p>	Tyler Hotchkin	5/6/2024	5/31/2024	5/31/2024	<a href="https://www.pge.com/~/media/PDF/Files/Reports/2024-05-31-CA-Advocates-048-00004803.pdf">https://www.pge.com/~/media/PDF/Files/Reports/2024-05-31-CA-Advocates-048-00004803.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
826	CaPA	Set WMP-48	CaPA_Set WMP-48	8	CaPA_Set WMP-48_08	<p>Please provide the number of momentary outages that PG&amp;E had on circuits where fast-trip settings were not enabled from January to December 2023, by month.</p>	<p>Please see PG&amp;E's response to 826.</p> <p>Month  # of Momentary Events  # of Outages  # of Events  Client  Total  JAN 715 4152 4867  FEB 455 420 4855  MAR 1175 2526 6977  APR 851 814 8727  MAY 505 268 6884  JUN 616 604 6657  JUL 523 523 6246  AUG 202 701 4 7956  SEP 47 6028 8440  OCT 141 858 7330  NOV 468 5281 6681  DEC 87 5481 6100  <b>Grand Total 146 43987 7881</b></p>	Tyler Hotchkin	5/6/2024	5/31/2024	5/31/2024	<a href="https://www.pge.com/~/media/PDF/Files/Reports/2024-05-31-CA-Advocates-048-00004804.pdf">https://www.pge.com/~/media/PDF/Files/Reports/2024-05-31-CA-Advocates-048-00004804.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
827	CaPA	Set WMP-48	CaPA_Set WMP-48	9	CaPA_Set WMP-48_09	<p>Please provide the number of non-momentary (i.e., sustained) outages that PG&amp;E had on circuits where fast-trip settings were not enabled from January to December 2023, by month.</p>	<p>Please see PG&amp;E's response to 826.</p>	Tyler Hotchkin	5/6/2024	5/31/2024	5/31/2024	<a href="https://www.pge.com/~/media/PDF/Files/Reports/2024-05-31-CA-Advocates-048-00004804.pdf">https://www.pge.com/~/media/PDF/Files/Reports/2024-05-31-CA-Advocates-048-00004804.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
828	CaPA	Set WMP-48	CaPA_Set WMP-48	10	CaPA_Set WMP-48_10	<p>For each of the outages in the attached excel spreadsheet named "Random Fast Trip August 2023 Outages.xlsx" please provide:</p> <ol style="list-style-type: none"> <li>The precise function that tripped the circuit (i.e. definite time delay ground overcurrent);</li> <li>The time delay of the protective function;</li> <li>The maximum load level current from 2019-2023;</li> <li>If the maximum load level current from 2019-2023 is &gt; 100% of the maximum unfaulted ground-current from 2019-2023;</li> <li>If not distribution, whether the circuit was three-wire or four-wire.</li> </ol>	<p>PG&amp;E objects to the request on the grounds that it is overbroad and unduly burdensome. Reiterating and without stating the objection, PG&amp;E is compiling the requested data for a random selection of 25 of the 80 outages included in "Random Fast Trip August 2023 Outages.xlsx" and can provide the data by June 5, 2024. Please note, as the request is overbroad, PG&amp;E is unable to provide the information for all of the identified 80 outages. However, should this be an issue, we would be pleased to provide the information for a random selection of 25 of the identified 80 outages. However, should this be an issue, we would be pleased to provide the information for a random selection of 25 of the identified 80 outages.</p> <p>ANSWER 010 SUPPLEMENTAL 01  WMP-Discovery2023-2025_DR_CalAdvocates_048-00004805.pdf  G010Supp01Answer01.xlsx for the requested information on 25 of the outages included in the attached "Random Fast Trip August 2023 Outages.xlsx"</p> <p>ANSWER 010  PG&amp;E objects to the request on the grounds that it is overbroad and unduly burdensome. Reiterating and without stating the objection, PG&amp;E is compiling the requested data for a random selection of 25 of the 80 outages included in "Random Fast Trip August 2023 Outages.xlsx" and can provide the data by June 5, 2024. Please note, as the request is overbroad, PG&amp;E is unable to provide the information for all of the identified 80 outages. However, should this be an issue, we would be pleased to provide the information for a random selection of 25 of the identified 80 outages. However, should this be an issue, we would be pleased to provide the information for a random selection of 25 of the identified 80 outages.</p>	Tyler Hotchkin	5/6/2024	5/31/2024	5/31/2024	<a href="https://www.pge.com/~/media/PDF/Files/Reports/2024-05-31-CA-Advocates-048-00004805.pdf">https://www.pge.com/~/media/PDF/Files/Reports/2024-05-31-CA-Advocates-048-00004805.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
829	CaPA	Set WMP-48	CaPA_Set WMP-48	10	CaPA_Set WMP-48_10	<p>For each of the outages in the attached excel spreadsheet named "Random Fast Trip August 2023 Outages.xlsx" please provide:</p> <ol style="list-style-type: none"> <li>The precise function that tripped the circuit (i.e. definite time delay ground overcurrent);</li> <li>The current threshold of the protective function;</li> <li>The time delay of the protective function;</li> <li>The maximum load level current from 2019-2023;</li> <li>If the maximum unfaulted ground-current from 2019-2023 is &gt; 100% of the maximum unfaulted ground-current from 2019-2023;</li> <li>If not distribution, whether the circuit was three-wire or four-wire.</li> </ol>	<p>PG&amp;E objects to the request on the grounds that it is overbroad and unduly burdensome. Reiterating and without stating the objection, PG&amp;E is compiling the requested data for a random selection of 25 of the 80 outages included in "Random Fast Trip August 2023 Outages.xlsx" and can provide the data by June 5, 2024. Please note, as the request is overbroad, PG&amp;E is unable to provide the information for all of the identified 80 outages. However, should this be an issue, we would be pleased to provide the information for a random selection of 25 of the identified 80 outages. However, should this be an issue, we would be pleased to provide the information for a random selection of 25 of the identified 80 outages.</p> <p>ANSWER 010 SUPPLEMENTAL 01  WMP-Discovery2023-2025_DR_CalAdvocates_048-00004805.pdf  G010Supp01Answer01.xlsx for the requested information on 25 of the outages included in the attached "Random Fast Trip August 2023 Outages.xlsx"</p> <p>ANSWER 010  PG&amp;E objects to the request on the grounds that it is overbroad and unduly burdensome. Reiterating and without stating the objection, PG&amp;E is compiling the requested data for a random selection of 25 of the 80 outages included in "Random Fast Trip August 2023 Outages.xlsx" and can provide the data by June 5, 2024. Please note, as the request is overbroad, PG&amp;E is unable to provide the information for all of the identified 80 outages. However, should this be an issue, we would be pleased to provide the information for a random selection of 25 of the identified 80 outages. However, should this be an issue, we would be pleased to provide the information for a random selection of 25 of the identified 80 outages.</p>	Tyler Hotchkin	5/6/2024	6/5/2024	6/5/2024	<a href="https://www.pge.com/~/media/PDF/Files/Reports/2024-05-31-CA-Advocates-048-00004805.pdf">https://www.pge.com/~/media/PDF/Files/Reports/2024-05-31-CA-Advocates-048-00004805.pdf</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
829	OEIS	OEIS	OEIS_019	1	OEIS_019_01	<p>Requesting PG&amp;E's response to ACI PG&amp;E-23-26. PG&amp;E states the following in its 2023 WMP (table 9-132): PG&amp;E is currently finalizing an analysis to understand the tradeoffs between reliability and wildfire risk mitigation when EPSS circuits are enabled. This analysis should be completed by the second quarter of 2024 to be shared with PG&amp;E's 2024 RAMP filing and will address the portion of the ACI seeking a re-evaluation of PG&amp;E's EPSS implementation threshold.</p> <p>PG&amp;E filed its 2024 RAMP filing on May 15, 2024. Is this analysis completed? If yes, what is the format of this analysis that can be provided?</p>	<p>Please see Section 1 of PG&amp;E's 2024 Risk Assessment and Mitigation Plan Report.</p> <p>PG&amp;E's 2024 RAMP Filing is available at the following link: <a href="https://www.pge.com/~/media/PDF/Files/Reports/2024-05-15-2024-RAMP-Filing.pdf">https://www.pge.com/~/media/PDF/Files/Reports/2024-05-15-2024-RAMP-Filing.pdf</a></p> <p>PG&amp;E's 2024 RAMP Filing is available at the following link: <a href="https://www.pge.com/~/media/PDF/Files/Reports/2024-05-15-2024-RAMP-Filing.pdf">https://www.pge.com/~/media/PDF/Files/Reports/2024-05-15-2024-RAMP-Filing.pdf</a></p>	Brad Hill	5/6/2024	5/31/2024	5/31/2024	<a href="https://www.pge.com/~/media/PDF/Files/Reports/2024-05-15-2024-RAMP-Filing.pdf">https://www.pge.com/~/media/PDF/Files/Reports/2024-05-15-2024-RAMP-Filing.pdf</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-26 Evaluation and Reporting of Safety Impacts Relating to EPSS
830	OEIS	OEIS	OEIS_019	2	OEIS_019_02	<p>WMP-Discovery2023-2025_DR_OEIS_019-Q003Supp01Answer01.xlsx attached to OAR Request OEIS_019_0203, only shows 14 circuit segments, whereas the original Tables 6-5 and 7-2 in the 2023-2025 WMP have 41 circuit segments listed.</p> <p>Provide the number of circuit segments used to determine the top 5% for both the original tables (7) and the updated tables (9).</p> <p>Provide the overall safety score used to determine the top 5% for both the original tables (7) and the updated tables (9).</p>	<p>PG&amp;E used the following number of circuit segments to determine the top 5% for the original tables (7) and the updated tables (9):</p> <ul style="list-style-type: none"> <li>WDRM-03 - 11,171 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-04 - 11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-05 - 11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-06 - 11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-07 - 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Risk Methodology and Assessment	6.1.2 Summary of Risk Models
831	OEIS	OEIS	OEIS_020	1	OEIS_020_01	<p>Requesting PG&amp;E's 2023 WMP/IRP. In table 8.1.2 of PG&amp;E's 2023-2025 WMP, PG&amp;E provides a table detailing the number of miles it plans to underground in 2023-2025 in the top 20% risk ranked circuits, other high-risk circuits, and for all other undergrounding programs.</p> <p>Please provide the table with the 2025 column updated to reflect PG&amp;E's 2025 updates. If the 2025 updates have not been finalized, please update the table with the current 2025 updates as of receipt of this data request.</p> <p>Please provide a table outlining PG&amp;E's 2025 covered conductor segments including the number of miles in the top 20% risk ranked circuit segments, other high-risk (as applicable), and other covered conductor programs. If the 2025 updates have not been finalized, please update the table with the current 2025 updates as of receipt of this data request.</p> <p>If in table 8.1.2 of PG&amp;E's 2023-2025 WMP, PG&amp;E provides the number of undergrounding miles planned and percentage of circuits in the top 20% WFE, WDRM-02, WDRM-03, and WDRM-04 - WDRM-02 - 2. Please provide the table with the 2025 column updated to reflect PG&amp;E's 2025 updates. If the 2025 updates have not been finalized, please update the table with the current 2025 updates as of receipt of this data request.</p> <p>Please provide the table with PG&amp;E's 2025 covered conductor segments. 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11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-72 - 11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-73 - 11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-74 - 11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-75 - 11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-76 - 11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-77 - 11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-78 - 11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-79 - 11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-80 - 11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-81 - 11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-82 - 11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-83 - 11,441 circuit segments, risk ranked by total daily risk summary.</li> <li>WDRM-84 - 11,441 circuit segments, risk</li></ul>										













676	CaPA	Sat WMP-00	CaPA_Sat WMP-00	6	CaPA_Sat WMP-00_06	<p>Provide an Excel table that lists (as rows) each sustained outage that occurred from January 1, 2023 through December 31, 2023 on any of the circuits identified in your responses to Question 5 of data request CaPA/DocuAc-PGE-2023WMP-04. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Circuit Name</li> <li>c) Circuit ID</li> <li>d) When was EPSS enabled on this circuit at the time of the outage?</li> <li>e) If "No, Please No Light" <ul style="list-style-type: none"> <li>1) Outage End Day &amp; Time</li> <li>2) CISO (Court of Customers Experiencing Sustained Outages)</li> <li>3) Customer Minutes</li> <li>4) Cause</li> </ul> </li> </ul> <p><b>Restriction Time Minutes</b></p> <p>Provide an Excel table that lists (as rows) each sustained outage that occurred from January 1, 2021 through December 31, 2023 on the following circuits: SCE REFUGIO 1101, SCE VEGAS 1101, SCE TEJON TR 1101, SCE TENCHAW 1101, SCE METALAND 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, YARONA 1102, NAPFA 1110, PUEBLO 2104, BIG TREES 2402, LOS OSITOS 2101, LAS POSTAS 2103, LAS ARIZAS 2401, ORINDA 2401, SPENCE 1101. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Circuit Name</li> <li>c) Circuit ID</li> <li>d) When was EPSS enabled on this circuit at the time of the outage?</li> <li>e) If "No, Please No Light" <ul style="list-style-type: none"> <li>1) Outage End Day &amp; Time</li> <li>2) CISO (Court of Customers Experiencing Sustained Outages)</li> <li>3) Customer Minutes</li> <li>4) Cause</li> </ul> </li> </ul> <p><b>Restriction Time Minutes</b></p>	<p>Please see "WMP/Discovery2023-2025_DR_CaPA/DocuAc_055-008Aa801.xlsx" for the requested information. Please note, column "Restrictions" if the outage was sustained or non-sustained.</p>	Amara Assad	6/24/2024	7/8/2024	7/8/2024	<a href="https://www.pge.com/Asset/Doc/DocUpload/055-008Aa801.xlsx">https://www.pge.com/Asset/Doc/DocUpload/055-008Aa801.xlsx</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-06 Evaluation and Reporting of Safety Impacts Relating to EPSS
677	CaPA	Sat WMP-00	CaPA_Sat WMP-00	7	CaPA_Sat WMP-00_07	<p>Provide an Excel table that lists (as rows) each non-sustained outage that occurred from January 1, 2023 through December 31, 2023 on any of the circuits identified in your responses to Question 5 of data request CaPA/DocuAc-PGE-2023WMP-04. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Circuit Name</li> <li>c) Circuit ID</li> <li>d) When was EPSS enabled on this circuit at the time of the outage?</li> <li>e) If "No, Please No Light" <ul style="list-style-type: none"> <li>1) Outage End Day &amp; Time</li> <li>2) CISO (Court of Customers Experiencing Sustained Outages)</li> <li>3) Customer Minutes</li> <li>4) Cause</li> </ul> </li> </ul> <p><b>Restriction Time Minutes</b></p>	<p>Please see "WMP/Discovery2023-2025_DR_CaPA/DocuAc_055-008Aa801.xlsx" for the requested information. Please note, column "Restrictions" if the outage was sustained or non-sustained.</p>	Amara Assad	6/24/2024	7/8/2024	7/8/2024	<a href="https://www.pge.com/Asset/Doc/DocUpload/055-008Aa801.xlsx">https://www.pge.com/Asset/Doc/DocUpload/055-008Aa801.xlsx</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-06 Evaluation and Reporting of Safety Impacts Relating to EPSS
678	CaPA	Sat WMP-00	CaPA_Sat WMP-00	8	CaPA_Sat WMP-00_08	<p>Provide an Excel table that lists (as rows) each sustained outage that occurred from January 1, 2017 through December 31, 2023 on the following circuits: SCE REFUGIO 1101, SCE VEGAS 1101, SCE TEJON TR 1101, SCE TENCHAW 1101, SCE METALAND 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, YARONA 1102, NAPFA 1110, PUEBLO 2104, BIG TREES 2402, LOS OSITOS 2101, LAS POSTAS 2103, LAS ARIZAS 2401, ORINDA 2401, SPENCE 1101. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Circuit Name</li> <li>c) Circuit ID</li> <li>d) When was EPSS enabled on this circuit at the time of the outage?</li> <li>e) If "No, Please No Light" <ul style="list-style-type: none"> <li>1) Outage End Day &amp; Time</li> <li>2) CISO (Court of Customers Experiencing Sustained Outages)</li> <li>3) Customer Minutes</li> <li>4) Cause</li> </ul> </li> </ul> <p><b>Restriction Time Minutes</b></p>	<p>Please see "WMP/Discovery2023-2025_DR_CaPA/DocuAc_055-008Aa801.xlsx" for the requested information. Column "N" indicates if the outage was sustained or non-sustained.</p> <p>Please note, all the following circuits did not have any outages. They were not shown included in the attachment. SCE VEGAS 1101, SCE TEJON TR 1101, SCE METALAND 1101, PUEBLO 2104. As of July 2, 2024, these circuits have not been made EPSS-capable.</p>	Amara Assad	6/24/2024	7/8/2024	7/8/2024	<a href="https://www.pge.com/Asset/Doc/DocUpload/055-008Aa801.xlsx">https://www.pge.com/Asset/Doc/DocUpload/055-008Aa801.xlsx</a>	1	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-06 Evaluation and Reporting of Safety Impacts Relating to EPSS
679	CaPA	Sat WMP-00	CaPA_Sat WMP-00	9	CaPA_Sat WMP-00_09	<p>Provide an Excel table that lists (as rows) each non-sustained outage that occurred from January 1, 2017 through December 31, 2023 on the following circuits: SCE REFUGIO 1101, SCE VEGAS 1101, SCE TEJON TR 1101, SCE TENCHAW 1101, SCE METALAND 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, YARONA 1102, NAPFA 1110, PUEBLO 2104, BIG TREES 2402, LOS OSITOS 2101, LAS POSTAS 2103, LAS ARIZAS 2401, ORINDA 2401, SPENCE 1101. For each outage, the Excel table should include the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Circuit Name</li> <li>c) Circuit ID</li> <li>d) When was EPSS enabled on this circuit at the time of the outage?</li> <li>e) If "No, Please No Light" <ul style="list-style-type: none"> <li>1) Outage End Day &amp; Time</li> <li>2) CISO (Court of Customers Experiencing Sustained Outages)</li> <li>3) Customer Minutes</li> <li>4) Cause</li> </ul> </li> </ul> <p><b>Restriction Time Minutes</b></p>	<p>Please see "WMP/Discovery2023-2025_DR_CaPA/DocuAc_055-008Aa801.xlsx" for the requested information. Please note, column "Restrictions" if the outage was sustained or non-sustained.</p>	Amara Assad	6/24/2024	7/8/2024	7/8/2024	<a href="https://www.pge.com/Asset/Doc/DocUpload/055-008Aa801.xlsx">https://www.pge.com/Asset/Doc/DocUpload/055-008Aa801.xlsx</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-06 Evaluation and Reporting of Safety Impacts Relating to EPSS
680	CaPA	Sat WMP-00	CaPA_Sat WMP-00	10	CaPA_Sat WMP-00_10	<p>Provide an Excel spreadsheet of the following distribution circuits (as rows): SCE REFUGIO 1101, SCE VEGAS 1101, SCE TEJON TR 1101, SCE TENCHAW 1101, SCE METALAND 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, YARONA 1102, NAPFA 1110, PUEBLO 2104, BIG TREES 2402, LOS OSITOS 2101, LAS POSTAS 2103, LAS ARIZAS 2401, ORINDA 2401, SPENCE 1101. Provide the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) Outage ID</li> <li>b) Circuit Name</li> <li>c) Circuit ID</li> <li>d) Date PG&amp;E first achieved EPSS settings on any part of the circuit</li> <li>e) Total Customers</li> <li>f) Number of CPDs contained on the circuit</li> <li>g) Circuit SAIDI for 2017</li> <li>h) Circuit SAIDI for 2018</li> <li>i) Circuit SAIDI for 2019</li> <li>j) Circuit SAIDI for 2020</li> <li>k) Circuit SAIDI for 2021</li> <li>l) Circuit SAIDI for 2022</li> <li>m) Circuit SAIDI for 2023</li> </ul>	<p>Please see "WMP/Discovery2023-2025_DR_CaPA/DocuAc_055-008Aa801.xlsx" for the requested information.</p> <p>In addition to the circuits included in the attachment, please see the table below for Circuit IDs for the circuits which did not have outages and were not provided in the attachment.</p> <p>Circuit Name Circuit ID SCE Tejon TR 1101 25819101 SCE Refugio 1101 25811101 Pueblo 2104 04232104</p>	Amara Assad	6/24/2024	7/8/2024	7/8/2024	<a href="https://www.pge.com/Asset/Doc/DocUpload/055-008Aa801.xlsx">https://www.pge.com/Asset/Doc/DocUpload/055-008Aa801.xlsx</a>	0	NA	11.4	Appendix D - Areas for Continued Improvement	11.4 ACI PG&E-23-06 Evaluation and Reporting of Safety Impacts Relating to EPSS
681	CaPA	Sat WMP-01	CaPA_Sat WMP-01	1	CaPA_Sat WMP-01_01	<p>Provide an Excel spreadsheet of the following distribution circuits (as rows): SCE REFUGIO 1101, SCE VEGAS 1101, SCE TEJON TR 1101, SCE TENCHAW 1101, SCE METALAND 1101, VALLEY SPRINGS 1101, LAKEWOOD 1103, YARONA 1102, NAPFA 1110, PUEBLO 2104, BIG TREES 2402, LOS OSITOS 2101, LAS POSTAS 2103, LAS ARIZAS 2401, ORINDA 2401, SPENCE 1101. Provide the following information in separate columns:</p> <ul style="list-style-type: none"> <li>a) PG&amp;E-8.1.2-3-2023 WMP-RR, Table PG&amp;E-8.1.2-3-20 presented as the following (refer to March 2024):</li> <li>On April 5, 2024, in response to data request CaPA/DocuAc-PGE-2023WMP-03, question 11 (CaPA/DocuAc_036_0211), PG&amp;E provided the following version of Table PG&amp;E-8.1.2-3 referred to herein as the April 5 table.</li> <li>State the base for why PG&amp;E made each of the following changes to Table PG&amp;E-8.1.2-3 in the three months from April 5, 2024 to July 5, 2024: <ul style="list-style-type: none"> <li>1) -2023, the total number of miles in the "Fire Risk/Out" category is 109 miles in the April 5 table, but 111 miles in the July 5 table.</li> <li>2) -2024, the total number of miles in the "Fire Risk/Out" category is 204 miles in the April 5 table, but 180 miles in the July 5 table.</li> <li>3) -2024, the total number of miles in the "Fire Risk/Out" category is 49 miles in the April 5 table, but 55 miles in the July 5 table.</li> <li>4) -2024, the total number of miles in the "PSPS" category is 33 miles in the April 5 table, but 20 miles in the July 5 table.</li> <li>5) -2024, the total number of miles in the "Other UG Program" category is 2 miles in the April 5 table, but 0 miles in the July 5 table.</li> </ul> </li> <li>In the two-year period from 2020 to 2020, the total number of miles in the "Top 20% Risk/Risk/Out" category is 795 miles in the April 5 table, but 711 miles in the July 5 table.</li> <li>In the two-year period from 2020 to 2020, the total number of miles in the "Fire Risk/Out" category is 44 miles in the April 5 table, but 41 miles in the July 5 table.</li> <li>In the two-year period from 2020 to 2020, the total number of miles in the "PSPS" category is 2 miles in the April 5 table, but 7 miles in the July 5 table.</li> </ul>	<p>As described in our WMP Section 8.1.2.2, PG&amp;E's underlying workload and/or weather. Project schedules can change because of project dependencies, such as permitting and equipment delays. Further, the workload involved to account for the 2023 GRC Disasters. Table below describes the changes specifically made between when the two workbooks were submitted between April 5 and July 5.</p> <p>1) The July 5 table incorporates miles from Overmille Community Mutual projects. These projects were inadvertently missing from all versions of the summary table prior to the July 5 version.</p> <p>2) This change was driven by seven projects shifting schedules from 2024 to 2025 and the July 5 table.</p> <p>3) As with relevant to the July 5 table incorporates miles from Overmille Community Mutual projects. These projects were inadvertently missing from all versions of the summary table prior to the July 5 version.</p> <p>4) This change was driven by two projects shifting schedules from 2024 to 2025.</p> <p>5) The primary driver in the reduction of miles for 2020-2020 is the need to align the changes to the 2023-2023 GRC mileage changes. These changes include removing existing projects and adding new projects to the GRC risk reduction program.</p> <p>6) This change was driven by Bate Mutual project schedule changes between 2024 and 2025 (one project moved from 2024 to 2025, another from 2025 to 2024).</p> <p>7) This change was driven by the same two projects described in subpart 6), plus one project being removed from the workload.</p> <p>8) One four-mile project from the April 5 table has been removed from the July 5 table, but 10 miles from eight projects were added. Of the 10 miles added, 11 miles were in the Top 20% Risk category and will be moved accordingly once risk reduction calculations have been completed in our system of record for the associated projects.</p> <p>9) This change was driven by the same project described in subpart 6), as well as a single new project that was missing risk data at the time of the July 5 report revision. This will be updated in our system of record and will be included in future versions of this table.</p>	Holly Walkman	7/8/2024	7/12/2024	7/12/2024	<a href="https://www.pge.com/Asset/Doc/DocUpload/055-008Aa801.xlsx">https://www.pge.com/Asset/Doc/DocUpload/055-008Aa801.xlsx</a>	0	NA	8	Section 8.1.2 - Grid Design and System Interlocking	8.1.2.11.2 Other grid topology improvements to mitigate or reduce PSPS events - Distribution
682	CPUC - SPD (Safety Policy Division)	018	CPUC - SPD (Safety Policy Division)_018	1	CPUC - SPD (Safety Policy Division)_018_01	<p>Submit the 2024 Q2 GDR Confidential and non-Confidential versions (including both spatial and non-spatial) via Fileworks to SPD's Website and Safety Performance Section.</p>	<p>Please find the requested 2024 Q2 GDR Spatial and Non-Spatial files attached to this response:</p> <ul style="list-style-type: none"> <li>- GDR - Core Meter Q2 2024 Submission.pdf</li> <li>- PG&amp;E_2024_Q2_18mes-1-15_RD.xlsx</li> <li>- PG&amp;E_2024_Q2_18mes-1-15_Report.xlsx</li> <li>- PG&amp;E_2024_Q2_CONF_jsp</li> <li>- PG&amp;E_2024_Q2_Risk Event Photos - Igitonies_CONF_jsp</li> <li>- PG&amp;E_2024_Q2_18mes-1-15_Assess-Inspection_CONF_1_jsp</li> <li>- PG&amp;E_2024_Q2_18mes-1-15_Assess-Inspection_CONF_2_jsp</li> <li>- PG&amp;E_2024_Q2_18mes-1-15_Assess-Inspection_CONF_3_jsp</li> <li>- PG&amp;E_2024_Q2_18mes-1-15_Assess-Inspection_CONF_4_jsp</li> </ul>	Henry Swain	8/20/2024	8/8/2024	8/20/2024	<a href="https://www.pge.com/Asset/Doc/DocUpload/055-008Aa801.xlsx">https://www.pge.com/Asset/Doc/DocUpload/055-008Aa801.xlsx</a>	9	NA	NA	QDR	NA
683	CaPA	Sat WMP-02	CaPA_Sat WMP-02	1	CaPA_Sat WMP-02_01	<p>The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up data request seeks information for ALL open work orders in your territory, not only open work orders in High Fire Threat Districts.</p> <p>Please add the following information to each row of Table 13 in separate columns:</p> <ul style="list-style-type: none"> <li>a) Name of the associated circuit</li> <li>b) ID number of the associated circuit</li> <li>c) Geographic longitude in decimal degrees, truncated to seven decimal places</li> <li>d) Priority of the original notification using PG&amp;E's internal priority level codes</li> <li>e) Object/charge code or other internal description of defect</li> <li>f) Please provide an O/N</li> <li>g) General Order ID Exemption Granted (Y/N)</li> <li>h) Circuit Segment Identification Number</li> </ul> <p>Please Date as of July 31, 2024 (Y/N)</p>	<p>Please find the requested 2024 Q2 GDR Confidential and non-Confidential versions (including both spatial and non-spatial) via Fileworks to SPD's Website and Safety Performance Section.</p>	Berjamin Katsenber	8/19/2024	8/8/2024			NA	QDR	NA	NA	
684	CaPA	Sat WMP-02	CaPA_Sat WMP-02	2	CaPA_Sat WMP-02_02	<p>The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up data request seeks information for ALL open work orders in your territory, not only open work orders in High Fire Threat Districts.</p> <p>Please provide a list of structures, assets, and facilities that may qualify as "other" in column b ("Equipment Type") of Table 13.</p>	<p>Please find the requested 2024 Q2 GDR Confidential and non-Confidential versions (including both spatial and non-spatial) via Fileworks to SPD's Website and Safety Performance Section.</p>	Berjamin Katsenber	8/19/2024	8/8/2024			NA	QDR	NA	NA	
685	CaPA	Sat WMP-02	CaPA_Sat WMP-02	3	CaPA_Sat WMP-02_03	<p>The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up data request seeks information for ALL open work orders in your territory, not only open work orders in High Fire Threat Districts.</p> <p>Please provide any internal categories or codes you use to prioritize asset-related corrective notifications and work orders. For each internal category or code, add a brief description of what it encompasses, your scoring definition, and the associated circuit ID.</p>	<p>Please find the requested 2024 Q2 GDR Confidential and non-Confidential versions (including both spatial and non-spatial) via Fileworks to SPD's Website and Safety Performance Section.</p>	Berjamin Katsenber	8/19/2024	8/8/2024			NA	QDR	NA	NA	
686	CaPA	Sat WMP-02	CaPA_Sat WMP-02	4	CaPA_Sat WMP-02_04	<p>The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up data request seeks information for ALL open work orders in your territory, not only open work orders in High Fire Threat Districts.</p> <p>Please provide an excel spreadsheet listing open work orders as of July 31, 2024, that were first created between May 5, 2018 and May 31, 2018.</p>	<p>Please find the requested 2024 Q2 GDR Confidential and non-Confidential versions (including both spatial and non-spatial) via Fileworks to SPD's Website and Safety Performance Section.</p>	Berjamin Katsenber	8/19/2024	8/8/2024			NA	QDR	NA	NA	



687	CaPA	Set WMP-02	CaPA_Sat WMP-02	5	CaPA_Sat WMP-02_05	The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up data request seeks information for ALL open work orders in your territory, not only open work orders in High-Fin Three Districts.  Please provide an excel spreadsheet listing work orders that were open as of May 31, 2018. If possible, provide this list in a format and including details consistent with Table 13 of your 2024 Q2 QDR. If some of the information included in Table 13 is not available, please include: 1. Work Order Identifier 2. Priority of the original notification, using internal priority level codes in use at the time. 3. Date on which the work order was created	Benjamin Katsenberg	8/19/2024	9/8/2024			NA	QDR	NA	NA	
688	CaPA	Set WMP-02	CaPA_Sat WMP-02	6	CaPA_Sat WMP-02_06	The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up data request seeks information for ALL open work orders in your territory, not only open work orders in High-Fin Three Districts.  Please provide a list of work orders closed in Q1 and Q2 of 2024 using the format and including details consistent with Table 13 of your 2024 Q2 QDR.	Benjamin Katsenberg	8/19/2024	9/8/2024			NA	QDR	NA	NA	
689	CaPA	Set WMP-02	CaPA_Sat WMP-02	7	CaPA_Sat WMP-02_07	The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up data request seeks information for ALL open work orders in your territory, not only open work orders in High-Fin Three Districts.  Please provide the most recent version of your distribution infrastructure inspection checklist	Benjamin Katsenberg	8/19/2024	9/8/2024			NA	QDR	NA	NA	
690	CaPA	Set WMP-02	CaPA_Sat WMP-02	8	CaPA_Sat WMP-02_08	The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up data request seeks information for ALL open work orders in your territory, not only open work orders in High-Fin Three Districts.  Do you use performance metrics to determine the effectiveness of the charges applied to your distribution infrastructure inspection program? If yes, please provide a list of the performance metrics including a brief description and how each metric is calculated/assessed. If no, please explain how you validate the effectiveness of changes to your inspection program.	Benjamin Katsenberg	8/19/2024	9/8/2024			NA	QDR	NA	NA	
691	CaPA	Set WMP-02	CaPA_Sat WMP-02	9	CaPA_Sat WMP-02_09	The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up data request seeks information for ALL open work orders in your territory, not only open work orders in High-Fin Three Districts.  Do you use performance metrics to determine the effectiveness of your bundling approach to remediate open work orders as described in Subpart Letter 710F of 407? If yes, please provide a list of the performance metrics including a brief description and how each metric is calculated/assessed. If no, please explain how you validate the effectiveness of your bundling approach to remediate open work orders.	Benjamin Katsenberg	8/19/2024	9/8/2024			NA	QDR	NA	NA	
692	CaPA	Set WMP-02	CaPA_Sat WMP-02	10	CaPA_Sat WMP-02_10	The following questions relate to your WMP Quarterly Data Report for Q2 of 2024, Table 13, received on August 2, 2024, which reports asset-related corrective notifications on electric circuits that were open at the end of the quarter. This follow-up data request seeks information for ALL open work orders in your territory, not only open work orders in High-Fin Three Districts.  a) Table 13 of your 2024 Q2 QDR, there are 139 X tags which require completion within 1 day(s) with an average of 29 days past due. Please explain what delay factors PG&E has encountered in remediation of X tags. b) How does PG&E intend to address delays in completing X tags? c) What has been PG&E's average completion time for X tags in the first half of 2024? d) Other words, for all X tags closed in the first half of 2024, what was the average	Benjamin Katsenberg	8/19/2024	9/8/2024			NA	QDR	NA	NA	
693	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019	1	CPUC - SPD (Safety Policy Division)_019_01	Explain why the median corrective action time to a level 1 finding exceeded 1 day in table 2 of the 2024 Q2 QDR. (See metric "Time between Level 1 Asset Inspection Finding and Remedial Maintenance Activity" which includes a sub-metric "Level 1 Asset Inspection Finding")  Provide a breakdown of all the Level 1 Asset Findings or corrective actions per Q2 2024 Priority Levels that made up the 2024 Q2 QDR. CPUC requests a table containing the following columns with each level 1 asset inspection by date: 2024 Q1 through present based on 1 Year. Follow the attached excel spreadsheet: 1. Asset Type (Overhead, underground) 2. Line Type (Transmission, Distribution-Primary, Distribution-Secondary) 3. PG&E Tag Priority 4. Location 5. Location (District) 6. Location (Town) 7. Completion date (if applicable) 8. Material (Inspection, normal order of work, storm work) 9. SO-35 Required Compliance Date 10. Location (HFTD Tar 2, HFTD Tar 3, HFTD Zone 1, HFRRA (Non-HFTD), Non HFTD/Non HFRRA) 11. Segment ID 12. Circuit ID 13. View Sheet Event ID (if Applicable) 14. Outage event ID (if Applicable) 15. Facility Damage Index (FDI) 16. Cause / Note 17. Distribution Area (if applicable) 18. Other (if applicable)	Henry Sweet	8/29/2024	9/12/2024			NA	QDR	NA	NA	NA
694	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019	2	CPUC - SPD (Safety Policy Division)_019_02	Explain why the median corrective action time to a level 1 finding exceeded 1 day in table 2 of the 2024 Q2 QDR. (See metric "Time between Level 1 Asset Inspection Finding and Remedial Maintenance Activity" which includes a sub-metric "Level 1 Asset Inspection Finding")  Provide a breakdown of all the Level 1 Asset Findings or corrective actions per Q2 2024 Priority Levels that made up the 2024 Q2 QDR. CPUC requests a table containing the following columns with each level 1 asset inspection by date: 2024 Q1 through present based on 1 Year. Follow the attached excel spreadsheet: 1. Asset Type (Overhead, underground) 2. Line Type (Transmission, Distribution-Primary, Distribution-Secondary) 3. PG&E Tag Priority 4. Location 5. Location (District) 6. Location (Town) 7. Completion date (if applicable) 8. Material (Inspection, normal order of work, storm work) 9. SO-35 Required Compliance Date 10. Location (HFTD Tar 2, HFTD Tar 3, HFTD Zone 1, HFRRA (Non-HFTD), Non HFTD/Non HFRRA) 11. Segment ID 12. Circuit ID 13. View Sheet Event ID (if Applicable) 14. Outage event ID (if Applicable) 15. Facility Damage Index (FDI) 16. Cause / Note 17. Distribution Area (if applicable) 18. Other (if applicable)	Henry Sweet	8/29/2024	9/12/2024			NA	QDR	NA	NA	NA
695	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019	3	CPUC - SPD (Safety Policy Division)_019_03	Explain if a same day repair would be designated as 0 or 1 day in table 2.	Henry Sweet	8/29/2024	9/12/2024			NA	QDR	NA	NA	
696	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019	4	CPUC - SPD (Safety Policy Division)_019_04	Table 13 in the Q2 2024 QDR lists Work Order number 121709039 as an open level 1 work order originating on July 20, 2023. Provide the work order and background information regarding the asset including why this was a level 1 asset.	Henry Sweet	8/29/2024	9/12/2024			NA	QDR	NA	NA	
697	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019	5	CPUC - SPD (Safety Policy Division)_019_05	Table 13 in the Q2 2024 QDR lists Work Order numbers 128761192 and 129125761 for an opening of 8/30/2024. Explain why the opening was not closed by the end of the quarter.	Henry Sweet	8/29/2024	9/12/2024			NA	QDR	NA	NA	
698	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019	6	CPUC - SPD (Safety Policy Division)_019_06	SPD observed discrepancies in table 2 regarding the reporting used for the category 1 - Time between Level 1 Asset Inspection Finding and Remedial Maintenance Activity. The 2023 QDRs designate this time in days, while the first two quarters of the 2024 QDR list hours and minutes. There is also a note on the 2024 QDR listing the following: "Please note that PG&E is reporting the metrics in days as the industry standard. Please confirm if this metric has been reported in days and why the 2024 QDRs list hours and minutes." Provide the following documents for a pole which (1) has a pole loading calculation and (2) was identified by the pole team and treat inspection program to have 40% or less remaining strength: 1. Pole load and treat inspection report 2. The procedures used to perform end pole load and treat work orders for the pole 3. The calculation (in spreadsheet form) for the remaining strength. The spreadsheet submitted should be able to recalculate on the SPD on recalculates parameters depending on different parameters. 4. Papers or tables which justify the methodology used to calculate the remaining strength. 5. The pole loading calculation.  A description of when this data will be used for the inspection program in 2024. PG&E used a complete pole loading development methodology to SO-35 QDR in the HFTD area. SPD understands a subset of these poles are undergoing other engineering analysis. Submit the following for each of the SO-35 QDR poles in the HFTD area that was assessed as part of the develop-based assessment (see the attached spreadsheet for the list): 1. S&P ID 2. Historical Loading Criteria for cylindrical shapes: - Loading Type (Heavy or Light) - Safety Factor Calculated by Develop-based assessment 3. Why is the Assessment 2 or other Engineering Assessment?	Henry Sweet	8/29/2024	9/12/2024			NA	QDR	NA	NA	NA
699	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019	7	CPUC - SPD (Safety Policy Division)_019_07	Submit the following documents for a pole which (1) has a pole loading calculation and (2) was identified by the pole team and treat inspection program to have 40% or less remaining strength: 1. Pole load and treat inspection report 2. The procedures used to perform end pole load and treat work orders for the pole 3. The calculation (in spreadsheet form) for the remaining strength. The spreadsheet submitted should be able to recalculate on the SPD on recalculates parameters depending on different parameters. 4. Papers or tables which justify the methodology used to calculate the remaining strength. 5. The pole loading calculation.  A description of when this data will be used for the inspection program in 2024. PG&E used a complete pole loading development methodology to SO-35 QDR in the HFTD area. SPD understands a subset of these poles are undergoing other engineering analysis. Submit the following for each of the SO-35 QDR poles in the HFTD area that was assessed as part of the develop-based assessment (see the attached spreadsheet for the list): 1. S&P ID 2. Historical Loading Criteria for cylindrical shapes: - Loading Type (Heavy or Light) - Safety Factor Calculated by Develop-based assessment 3. Why is the Assessment 2 or other Engineering Assessment?	Henry Sweet	8/29/2024	9/12/2024			NA	8	Section 8.1.3 - Asset Inspection	8.1.3.2.4 Pole Loading Assessments	
700	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019	8	CPUC - SPD (Safety Policy Division)_019_08	Submit one example of a wire develop-based assessment with bearing calculation for an ungrounded target pole and highlight where the criteria submitted was not met. The criteria used for the assessment is the following: 1. S&P ID 2. Historical Loading Criteria for cylindrical shapes: - Loading Type (Heavy or Light) - Safety Factor Calculated by Develop-based assessment 3. Why is the Assessment 2 or other Engineering Assessment?	Henry Sweet	8/29/2024	9/12/2024			NA	8	Section 8.1.3 - Asset Inspection	8.1.3.2.4 Pole Loading Assessments	
701	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019	9	CPUC - SPD (Safety Policy Division)_019_09	Submit one example of a wire develop-based assessment with bearing calculation for an ungrounded target pole and highlight where the criteria submitted was not met. The criteria used for the assessment is the following: 1. S&P ID 2. Historical Loading Criteria for cylindrical shapes: - Loading Type (Heavy or Light) - Safety Factor Calculated by Develop-based assessment 3. Why is the Assessment 2 or other Engineering Assessment?	Henry Sweet	8/29/2024	9/12/2024			NA	8	Section 8.1.3 - Asset Inspection	8.1.3.2.4 Pole Loading Assessments	
702	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019	10	CPUC - SPD (Safety Policy Division)_019_10	When will the further engineering assessment be completed?	Henry Sweet	8/29/2024	9/12/2024			NA	8	Section 8.1.3 - Asset Inspection	8.1.3.2.4 Pole Loading Assessments	
703	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019	11	CPUC - SPD (Safety Policy Division)_019_11	For inspection for PG&E's distribution overhead inspection programs, (1) how are these weather conditions profile for inspection, (2) when used how would an inspector consider weather conditions when prioritizing a work order as Priority A, B, C, D, E, or F of each an inspector using a verifiable asset and also include a description of how work was inspected?	Henry Sweet	8/29/2024	9/12/2024			NA	8	Section 8.1.3 - Asset Inspection	8.1.3 Asset Inspections	
704	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019	12	CPUC - SPD (Safety Policy Division)_019_12	Describe Focus Tree Inspection programs that for 2024 provide the date at which the data is current through in the response. Include the following: - Number of total trees prescribed to be worked - Number of total trees worked thus far - Number of total trees prescribed for seasonal - Number of total trees inspected thus far - Number of miles inspected - Number of miles inspected - Number of miles per mile of lines inspected before removal - Number of miles per mile after removal - Number of trees inspected - Number of trees inspected - Number of miles per mile of lines inspected and number of trees removed in the pilot program in 2023. The Q2 2023 QDR reports to date \$26 million were spent, please explain how the 49 and Table 11) Provide an update comparing costs estimated as part of the Revision Note compared to forecasted costs for the rest of the year and costs already incurred. Explain any variances.	Henry Sweet	8/29/2024	9/12/2024			NA	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections	
705	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019	13	CPUC - SPD (Safety Policy Division)_019_13	Provide ignition reports (also known as PIRs) for CPUC reportable ignitions that occurred on R3+ days in 2024.	Henry Sweet	8/29/2024	9/12/2024			NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increases in Risk Events	
706	CPUC - SPD (Safety Policy Division)	019	CPUC - SPD (Safety Policy Division)_019	14	CPUC - SPD (Safety Policy Division)_019_14	Provide ignition reports (also known as PIRs) for CPUC reportable ignitions that occurred on days when EPSS was implemented in 2024. Reports already provided in response to Question 13 need not be resubmitted in response to Question 14.	Henry Sweet	8/29/2024	9/12/2024			NA	Appendix D	Appendix D - Areas for Continued Improvement	ACI PG&E-22-06 - Addressing Increases in Risk Events	
707	CPUC - SPD (Safety Policy Division)	000	CPUC - SPD (Safety Policy Division)_000	1	CPUC - SPD (Safety Policy Division)_000_01	PG&E includes the following attachment of the WMP Cost Reporting Template in draft version that we reviewed with SPD on August 28. Attached "WMP-Discovery-02023-0204_DR_SPD_Q20240601.xlsx".  This file contains the sample initiatives discussed with SPD on August 5 (Dynamics, Distribution and 10K Underpinning) and the initiatives discussed on August 28 (HFTD/FRA Open Tag Reduction - Transmission, HFTD/FRA Open Tag Reduction - Distribution Backlog, and Eliminate HFTD/FRA Distribution Backlog).  The information provided is a sample of the level of detail PG&E proposes to provide in response to the initiative provided by SPD. The level of detail provided is for illustrative purposes only and does not represent a commitment to provide the information. The template has sample data values (representative quantities) which are indicated in the template "WMP-Discovery-2023-0204_DR_SPD_Q20240601.xlsx". The original template submitted by SPD and does not reflect any sensitive business disclosed in August 28.	Edna Schmitt	8/27/2024	9/4/2024	9/4/2024	<a href="https://www.gcp.com/~/media/Power/Files/Initiatives/02023-0204_DR_SPD_Q20240601.xlsx">https://www.gcp.com/~/media/Power/Files/Initiatives/02023-0204_DR_SPD_Q20240601.xlsx</a>	1	NA	4.3	4.0 Overview of WMP	4.3 Proposed Expenditures













Pre-Discovery 49	CaPA	Sat WMP-37	CaPA_Sat WMP-37	2	CaPA_Sat WMP-37_02	Provide a copy of all documents or files that are referenced in your WMP Quarterly Data Reports and submitted to Energy Safety (including but not limited to all PDFs, spatial data files, non-spatial data files, and confidential agreements), within one business day of the document submission to Energy Safety.	In addition to all general objections, PG&E specifically objects to the request on the grounds that it is overly burdensome. PG&E further objects to the request as the information requested is vague, ambiguous, and overbroad. Lastly, PG&E objects to the request on the grounds that it seeks to impose a continuing response obligation on the responding party. Continuing discovery obligations are not permitted under California law. See, e.g., <i>Escrow Mail Corp. v. CA CA App 4th 1515, 1522 (2004)</i> ; Code Civ. Proc. § 2030.003(b). Notwithstanding and without waiving these objections, PG&E responds as follows:  We will do our best to provide the requested information within the requested timeframe, to the extent possible. However, please note that due to the strong and voluminous nature of our submissions to Energy Safety, it may not always be possible to provide the requested information through within the requested timeframe. In these instances, we will provide the requested information as soon as it is reasonably possible. Additionally, with the exception of confidential or trade secret information, we will post our WMP-related submissions to our website, where PG&E.com will be available to the public on the same business day that the documents are provided to Energy Safety. However, all submissions to our website are subject to the consent process on the Energy Safety website. <a href="https://info.energy.ca.gov/">https://info.energy.ca.gov/</a> , and are nearly always publicly available within one business day of submission. Public email notifications of the availability of these documents are sent to all parties who subscribe to the service for the Energy Safety.	Holy Wellman	3002023	430004	430004	<a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a> <a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a>	0	NA	NA	NA	NA
Pre-Discovery 50	CaPA	Sat WMP-37	CaPA_Sat WMP-37	3	CaPA_Sat WMP-37_03	Provide a copy to Cal Advocates of all your confidential responses to WMP discovery requests, on the same business day that you send us documents to the laund of the discovery request. This includes: a) Confidential responses to WMP discovery requests issued by Energy Safety. b) Confidential responses to WMP discovery requests issued by other entities.	In addition to all general objections, PG&E specifically objects to the request on the grounds that it is overly burdensome. PG&E further objects to the request as the information requested is vague, ambiguous, and overbroad. Lastly, PG&E objects to the request on the grounds that it seeks to impose a continuing response obligation on the responding party. Continuing discovery obligations are not permitted under California law. See, e.g., <i>Escrow Mail Corp. v. CA CA App 4th 1515, 1522 (2004)</i> ; Code Civ. Proc. § 2030.003(b). Notwithstanding and without waiving these objections, PG&E responds as follows:  We will do our best to provide the requested information within the requested timeframe, to the extent possible. However, please note that due to the strong and voluminous nature of our submissions to Energy Safety, it may not always be possible to provide the requested information through within the requested timeframe. In these instances, we will provide the requested information as soon as it is reasonably possible. Additionally, with the exception of confidential or trade secret information, we will post our WMP-related submissions to our website, where PG&E.com will be available to the public on the same business day that the documents are provided to Energy Safety. However, all submissions to our website are subject to the consent process on the Energy Safety website. <a href="https://info.energy.ca.gov/">https://info.energy.ca.gov/</a> , and are nearly always publicly available within one business day of submission. Public email notifications of the availability of these documents are sent to all parties who subscribe to the service for the Energy Safety.	Holy Wellman	3002023	430004	430004	<a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a> <a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a>	0	NA	NA	NA	NA
Pre-Discovery 51	CaPA	Sat WMP-38	CaPA_Sat WMP-38	1	CaPA_Sat WMP-38_01	Provide an Excel table of all distribution circuit diagrams existing as of January 1, 2024 (see notes) that includes the following information in separate columns: PG&E is unable to provide some of the requested information at the circuit-assignment level, provide each data of the circuit level reviewed and specify why PG&E is unable to provide: a) Circuit name b) Circuit ID number c) Circuit miles in Non-PTD d) Circuit miles in Other PTD e) Circuit miles in PTD Tier 2 f) Circuit mileage g) Circuit voltage h) Total customer-minutes of de-energization on the circuit due to PPSPs events in 2023 (sum of customer-minutes in all PPSPs events) i) Total customer-minutes of de-energization on the circuit due to last-py settings in 2023 j) Miles of overhead conductor installed in Non-PTD in 2023 k) Miles of overhead conductor installed in Other PTD in 2023 l) Miles of overhead conductor installed in PTD Tier 2 in 2023 m) Miles of overhead conductor installed in PTD Tier 3 in 2023 n) Miles of LDAH inspection in Non-PTD in 2023 o) Miles of LDAH inspection in Other PTD in 2023 p) Miles of LDAH inspection in PTD Tier 2 in 2023 q) Miles of LDAH inspection in PTD Tier 3 in 2023 r) Miles of LDAH inspection in PTD Tier 4 in 2023 s) Miles of LDAH inspection in PTD Tier 5 in 2023 t) Miles of LDAH inspection in PTD Tier 6 in 2023 u) Miles of LDAH inspection in PTD Tier 7 in 2023 v) Miles of LDAH inspection in PTD Tier 8 in 2023 w) Miles of LDAH inspection in PTD Tier 9 in 2023 x) Miles of LDAH inspection in PTD Tier 10 in 2023 y) Miles of LDAH inspection in PTD Tier 11 in 2023 z) Miles of LDAH inspection in PTD Tier 12 in 2023 aa) Miles of LDAH inspection in PTD Tier 13 in 2023 ab) Miles of LDAH inspection in PTD Tier 14 in 2023 ac) Miles of LDAH inspection in PTD Tier 15 in 2023 ad) Miles of LDAH inspection in PTD Tier 16 in 2023 ae) Miles of LDAH inspection in PTD Tier 17 in 2023 af) Miles of LDAH inspection in PTD Tier 18 in 2023 ag) Miles of LDAH inspection in PTD Tier 19 in 2023 ah) Miles of LDAH inspection in PTD Tier 20 in 2023 ai) Miles of LDAH inspection in PTD Tier 21 in 2023 aj) Miles of LDAH inspection in PTD Tier 22 in 2023 ak) Miles of LDAH inspection in PTD Tier 23 in 2023 al) Miles of LDAH inspection in PTD Tier 24 in 2023 am) Miles of LDAH inspection in PTD Tier 25 in 2023 an) Miles of LDAH inspection in PTD Tier 26 in 2023 ao) Miles of LDAH inspection in PTD Tier 27 in 2023 ap) Miles of LDAH inspection in PTD Tier 28 in 2023 aq) Miles of LDAH inspection in PTD Tier 29 in 2023 ar) Miles of LDAH inspection in PTD Tier 30 in 2023 as) Miles of LDAH inspection in PTD Tier 31 in 2023 at) Miles of LDAH inspection in PTD Tier 32 in 2023 au) Miles of LDAH inspection in PTD Tier 33 in 2023 av) Miles of LDAH inspection in PTD Tier 34 in 2023 aw) Miles of LDAH inspection in PTD Tier 35 in 2023 ax) Miles of LDAH inspection in PTD Tier 36 in 2023 ay) Miles of LDAH inspection in PTD Tier 37 in 2023 az) Miles of LDAH inspection in PTD Tier 38 in 2023 ba) Miles of LDAH inspection in PTD Tier 39 in 2023 bb) Miles of LDAH inspection in PTD Tier 40 in 2023 bc) Miles of LDAH inspection in PTD Tier 41 in 2023 bd) Miles of LDAH inspection in PTD Tier 42 in 2023 be) Miles of LDAH inspection in PTD Tier 43 in 2023 bf) Miles of LDAH inspection in PTD Tier 44 in 2023 bg) Miles of LDAH inspection in PTD Tier 45 in 2023 bh) Miles of LDAH inspection in PTD Tier 46 in 2023 bi) Miles of LDAH inspection in PTD Tier 47 in 2023 bj) Miles of LDAH inspection in PTD Tier 48 in 2023 bk) Miles of LDAH inspection in PTD Tier 49 in 2023 bl) Miles of LDAH inspection in PTD Tier 50 in 2023 bm) Miles of LDAH inspection in PTD Tier 51 in 2023 bn) Miles of LDAH inspection in PTD Tier 52 in 2023 bo) Miles of LDAH inspection in PTD Tier 53 in 2023 bp) Miles of LDAH inspection in PTD Tier 54 in 2023 bq) Miles of LDAH inspection in PTD Tier 55 in 2023 br) Miles of LDAH inspection in PTD Tier 56 in 2023 bs) Miles of LDAH inspection in PTD Tier 57 in 2023 bt) Miles of LDAH inspection in PTD Tier 58 in 2023 bu) Miles of LDAH inspection in PTD Tier 59 in 2023 bv) Miles of LDAH inspection in PTD Tier 60 in 2023 bw) Miles of LDAH inspection in PTD Tier 61 in 2023 bx) Miles of LDAH inspection in PTD Tier 62 in 2023 by) Miles of LDAH inspection in PTD Tier 63 in 2023 bz) Miles of LDAH inspection in PTD Tier 64 in 2023 ca) Miles of LDAH inspection in PTD Tier 65 in 2023 cb) Miles of LDAH inspection in PTD Tier 66 in 2023 cc) Miles of LDAH inspection in PTD Tier 67 in 2023 cd) Miles of LDAH inspection in PTD Tier 68 in 2023 ce) Miles of LDAH inspection in PTD Tier 69 in 2023 cf) Miles of LDAH inspection in PTD Tier 70 in 2023 cg) Miles of LDAH inspection in PTD Tier 71 in 2023 ch) Miles of LDAH inspection in PTD Tier 72 in 2023 ci) Miles of LDAH inspection in PTD Tier 73 in 2023 cj) Miles of LDAH inspection in PTD Tier 74 in 2023 ck) Miles of LDAH inspection in PTD Tier 75 in 2023 cl) Miles of LDAH inspection in PTD Tier 76 in 2023 cm) Miles of LDAH inspection in PTD Tier 77 in 2023 cn) Miles of LDAH inspection in PTD Tier 78 in 2023 co) Miles of LDAH inspection in PTD Tier 79 in 2023 cp) Miles of LDAH inspection in PTD Tier 80 in 2023 cq) Miles of LDAH inspection in PTD Tier 81 in 2023 cr) Miles of LDAH inspection in PTD Tier 82 in 2023 cs) Miles of LDAH inspection in PTD Tier 83 in 2023 ct) Miles of LDAH inspection in PTD Tier 84 in 2023 cu) Miles of LDAH inspection in PTD Tier 85 in 2023 cv) Miles of LDAH inspection in PTD Tier 86 in 2023 cw) Miles of LDAH inspection in PTD Tier 87 in 2023 cx) Miles of LDAH inspection in PTD Tier 88 in 2023 cy) Miles of LDAH inspection in PTD Tier 89 in 2023 cz) Miles of LDAH inspection in PTD Tier 90 in 2023 ca) Miles of LDAH inspection in PTD Tier 91 in 2023 cb) Miles of LDAH inspection in PTD Tier 92 in 2023 cc) Miles of LDAH inspection in PTD Tier 93 in 2023 cd) Miles of LDAH inspection in PTD Tier 94 in 2023 ce) Miles of LDAH inspection in PTD Tier 95 in 2023 cf) Miles of LDAH inspection in PTD Tier 96 in 2023 cg) Miles of LDAH inspection in PTD Tier 97 in 2023 ch) Miles of LDAH inspection in PTD Tier 98 in 2023 ci) Miles of LDAH inspection in PTD Tier 99 in 2023 cj) Miles of LDAH inspection in PTD Tier 100 in 2023	Holy Wellman	3002023	4192004	4192004	<a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a> <a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a>	4	NA	8	Section 8.1.3 - Asset Inspection	8.1.3.2 Asset Inspections - Distribution	
Pre-Discovery 52	CaPA	Sat WMP-38	CaPA_Sat WMP-38	2	CaPA_Sat WMP-38_02	Provide an Excel table of all transmission circuits existing as of January 1, 2024 (see notes) that includes the following information in separate columns: a) Circuit name b) Circuit ID number c) Total circuit miles d) Circuit miles in Non-PTD e) Circuit miles in Other PTD f) Circuit miles in PTD Tier 2 g) Circuit miles in PTD Tier 3 h) Circuit voltage i) Total customer-minutes of de-energization on the circuit due to PPSPs events in 2023 (sum of customer-minutes in all PPSPs events) j) Total customer-minutes of de-energization on the circuit due to last-py settings in 2023 k) Number of support structures installed in Non-PTD in 2023 l) Number of support structures installed in Other PTD in 2023 m) Number of support structures installed in PTD Tier 2 in 2023 n) Number of support structures installed in PTD Tier 3 in 2023 o) Number of LDAH inspection in Non-PTD in 2023 p) Number of LDAH inspection in Other PTD in 2023 q) Number of LDAH inspection in PTD Tier 2 in 2023 r) Number of LDAH inspection in PTD Tier 3 in 2023 s) Number of LDAH inspection in PTD Tier 4 in 2023 t) Number of LDAH inspection in PTD Tier 5 in 2023 u) Number of LDAH inspection in PTD Tier 6 in 2023 v) Number of LDAH inspection in PTD Tier 7 in 2023 w) Number of LDAH inspection in PTD Tier 8 in 2023 x) Number of LDAH inspection in PTD Tier 9 in 2023 y) Number of LDAH inspection in PTD Tier 10 in 2023 z) Number of LDAH inspection in PTD Tier 11 in 2023 aa) Number of LDAH inspection in PTD Tier 12 in 2023 ab) Number of LDAH inspection in PTD Tier 13 in 2023 ac) Number of LDAH inspection in PTD Tier 14 in 2023 ad) Number of LDAH inspection in PTD Tier 15 in 2023 ae) Number of LDAH inspection in PTD Tier 16 in 2023 af) Number of LDAH inspection in PTD Tier 17 in 2023 ag) Number of LDAH inspection in PTD Tier 18 in 2023 ah) Number of LDAH inspection in PTD Tier 19 in 2023 ai) Number of LDAH inspection in PTD Tier 20 in 2023 aj) Number of LDAH inspection in PTD Tier 21 in 2023 ak) Number of LDAH inspection in PTD Tier 22 in 2023 al) Number of LDAH inspection in PTD Tier 23 in 2023 am) Number of LDAH inspection in PTD Tier 24 in 2023 an) Number of LDAH inspection in PTD Tier 25 in 2023 ao) Number of LDAH inspection in PTD Tier 26 in 2023 ap) Number of LDAH inspection in PTD Tier 27 in 2023 aq) Number of LDAH inspection in PTD Tier 28 in 2023 ar) Number of LDAH inspection in PTD Tier 29 in 2023 as) Number of LDAH inspection in PTD Tier 30 in 2023 at) Number of LDAH inspection in PTD Tier 31 in 2023 au) Number of LDAH inspection in PTD Tier 32 in 2023 av) Number of LDAH inspection in PTD Tier 33 in 2023 aw) Number of LDAH inspection in PTD Tier 34 in 2023 ax) Number of LDAH inspection in PTD Tier 35 in 2023 ay) Number of LDAH inspection in PTD Tier 36 in 2023 az) Number of LDAH inspection in PTD Tier 37 in 2023 ba) Number of LDAH inspection in PTD Tier 38 in 2023 bb) Number of LDAH inspection in PTD Tier 39 in 2023 bc) Number of LDAH inspection in PTD Tier 40 in 2023 bd) Number of LDAH inspection in PTD Tier 41 in 2023 be) Number of LDAH inspection in PTD Tier 42 in 2023 bf) Number of LDAH inspection in PTD Tier 43 in 2023 bg) Number of LDAH inspection in PTD Tier 44 in 2023 bh) Number of LDAH inspection in PTD Tier 45 in 2023 bi) Number of LDAH inspection in PTD Tier 46 in 2023 bj) Number of LDAH inspection in PTD Tier 47 in 2023 bk) Number of LDAH inspection in PTD Tier 48 in 2023 bl) Number of LDAH inspection in PTD Tier 49 in 2023 bm) Number of LDAH inspection in PTD Tier 50 in 2023 bn) Number of LDAH inspection in PTD Tier 51 in 2023 bo) Number of LDAH inspection in PTD Tier 52 in 2023 bp) Number of LDAH inspection in PTD Tier 53 in 2023 bq) Number of LDAH inspection in PTD Tier 54 in 2023 br) Number of LDAH inspection in PTD Tier 55 in 2023 bs) Number of LDAH inspection in PTD Tier 56 in 2023 bt) Number of LDAH inspection in PTD Tier 57 in 2023 bu) Number of LDAH inspection in PTD Tier 58 in 2023 bv) Number of LDAH inspection in PTD Tier 59 in 2023 bw) Number of LDAH inspection in PTD Tier 60 in 2023 bx) Number of LDAH inspection in PTD Tier 61 in 2023 by) Number of LDAH inspection in PTD Tier 62 in 2023 bz) Number of LDAH inspection in PTD Tier 63 in 2023 ca) Number of LDAH inspection in PTD Tier 64 in 2023 cb) Number of LDAH inspection in PTD Tier 65 in 2023 cc) Number of LDAH inspection in PTD Tier 66 in 2023 cd) Number of LDAH inspection in PTD Tier 67 in 2023 ce) Number of LDAH inspection in PTD Tier 68 in 2023 cf) Number of LDAH inspection in PTD Tier 69 in 2023 cg) Number of LDAH inspection in PTD Tier 70 in 2023 ch) Number of LDAH inspection in PTD Tier 71 in 2023 ci) Number of LDAH inspection in PTD Tier 72 in 2023 cj) Number of LDAH inspection in PTD Tier 73 in 2023 ck) Number of LDAH inspection in PTD Tier 74 in 2023 cl) Number of LDAH inspection in PTD Tier 75 in 2023 cm) Number of LDAH inspection in PTD Tier 76 in 2023 cn) Number of LDAH inspection in PTD Tier 77 in 2023 co) Number of LDAH inspection in PTD Tier 78 in 2023 cp) Number of LDAH inspection in PTD Tier 79 in 2023 cq) Number of LDAH inspection in PTD Tier 80 in 2023 cr) Number of LDAH inspection in PTD Tier 81 in 2023 cs) Number of LDAH inspection in PTD Tier 82 in 2023 ct) Number of LDAH inspection in PTD Tier 83 in 2023 cu) Number of LDAH inspection in PTD Tier 84 in 2023 cv) Number of LDAH inspection in PTD Tier 85 in 2023 cw) Number of LDAH inspection in PTD Tier 86 in 2023 cx) Number of LDAH inspection in PTD Tier 87 in 2023 cy) Number of LDAH inspection in PTD Tier 88 in 2023 cz) Number of LDAH inspection in PTD Tier 89 in 2023 ca) Number of LDAH inspection in PTD Tier 90 in 2023 cb) Number of LDAH inspection in PTD Tier 91 in 2023 cc) Number of LDAH inspection in PTD Tier 92 in 2023 cd) Number of LDAH inspection in PTD Tier 93 in 2023 ce) Number of LDAH inspection in PTD Tier 94 in 2023 cf) Number of LDAH inspection in PTD Tier 95 in 2023 cg) Number of LDAH inspection in PTD Tier 96 in 2023 ch) Number of LDAH inspection in PTD Tier 97 in 2023 ci) Number of LDAH inspection in PTD Tier 98 in 2023 cj) Number of LDAH inspection in PTD Tier 99 in 2023 ck) Number of LDAH inspection in PTD Tier 100 in 2023	Holy Wellman	3002023	4192004	4192004	<a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a> <a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a>	0	NA	8	Section 8.1.3 - Asset Inspection	8.1.3.1 Asset Inspections - Transmission	
Pre-Discovery 53	CaPA	Sat WMP-38	CaPA_Sat WMP-38	3	CaPA_Sat WMP-38_03	Provide an Excel table of all distribution circuits existing as of January 1, 2023 (see notes) that were removed or decommissioned in 2023, either partially or entirely. This includes permanent removal, removal of overhead lines that were moved underground, or overhead lines that were decommissioned but physically removed. Include the following information in separate columns: a) Circuit name b) Circuit ID number c) Circuit miles removed or decommissioned in Non-PTD d) Circuit miles removed or decommissioned in Other PTD e) Circuit miles removed or decommissioned in PTD Tier 2 f) Circuit miles removed or decommissioned in PTD Tier 3 g) Reason for removal or decommissioning.	In addition to all general objections, PG&E specifically objects to the request on the grounds that it is overly burdensome. PG&E further objects to the request as the information requested is vague, ambiguous, and overbroad. Lastly, PG&E objects to the request on the grounds that it seeks to impose a continuing response obligation on the responding party. Continuing discovery obligations are not permitted under California law. See, e.g., <i>Escrow Mail Corp. v. CA CA App 4th 1515, 1522 (2004)</i> ; Code Civ. Proc. § 2030.003(b). Notwithstanding and without waiving these objections, PG&E responds as follows:  We will do our best to provide the requested information within the requested timeframe, to the extent possible. However, please note that due to the strong and voluminous nature of our submissions to Energy Safety, it may not always be possible to provide the requested information through within the requested timeframe. In these instances, we will provide the requested information as soon as it is reasonably possible. Additionally, with the exception of confidential or trade secret information, we will post our WMP-related submissions to our website, where PG&E.com will be available to the public on the same business day that the documents are provided to Energy Safety. However, all submissions to our website are subject to the consent process on the Energy Safety website. <a href="https://info.energy.ca.gov/">https://info.energy.ca.gov/</a> , and are nearly always publicly available within one business day of submission. Public email notifications of the availability of these documents are sent to all parties who subscribe to the service for the Energy Safety.	Holy Wellman	3002023	4192004	4192004	<a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a> <a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a>	1	NA	8	Section 8.1.3 - Asset Inspection	8.1.3.2 Asset Inspections - Distribution
Pre-Discovery 54	CaPA	Sat WMP-38	CaPA_Sat WMP-38	4	CaPA_Sat WMP-38_04	Provide an Excel table of all transmission circuits existing as of January 1, 2023 (see notes) that were removed or decommissioned in 2023, either partially or entirely. This includes permanent removal, removal of overhead lines that were moved underground, or overhead lines that were decommissioned but physically removed. Include the following information in separate columns: a) Circuit name b) Circuit ID number c) Circuit miles removed or decommissioned in Non-PTD d) Circuit miles removed or decommissioned in Other PTD e) Circuit miles removed or decommissioned in PTD Tier 2 f) Circuit miles removed or decommissioned in PTD Tier 3 g) Reason for removal or decommissioning.	In addition to all general objections, PG&E specifically objects to the request on the grounds that it is overly burdensome. PG&E further objects to the request as the information requested is vague, ambiguous, and overbroad. Lastly, PG&E objects to the request on the grounds that it seeks to impose a continuing response obligation on the responding party. Continuing discovery obligations are not permitted under California law. See, e.g., <i>Escrow Mail Corp. v. CA CA App 4th 1515, 1522 (2004)</i> ; Code Civ. Proc. § 2030.003(b). Notwithstanding and without waiving these objections, PG&E responds as follows:  We will do our best to provide the requested information within the requested timeframe, to the extent possible. However, please note that due to the strong and voluminous nature of our submissions to Energy Safety, it may not always be possible to provide the requested information through within the requested timeframe. In these instances, we will provide the requested information as soon as it is reasonably possible. Additionally, with the exception of confidential or trade secret information, we will post our WMP-related submissions to our website, where PG&E.com will be available to the public on the same business day that the documents are provided to Energy Safety. However, all submissions to our website are subject to the consent process on the Energy Safety website. <a href="https://info.energy.ca.gov/">https://info.energy.ca.gov/</a> , and are nearly always publicly available within one business day of submission. Public email notifications of the availability of these documents are sent to all parties who subscribe to the service for the Energy Safety.	Holy Wellman	3002023	4192004	4192004	<a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a> <a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a>	1	NA	8	Section 8.1.3 - Asset Inspection	8.1.3.1 Asset Inspections - Transmission
Pre-Discovery 55	MDRA	008	MDRA_Data Request No. 8	1	MDRA_Data Request No. 8_01	DISC Data: Please provide the GIS data set provided to the Office of Energy Infrastructure Safety for Q1-Q4 2023. Please provide any confidential attributes that may have been added to the requested response. Please provide any Asset Point data for Camera, Fuse, Support Structure, and Weather Station.	GENERAL STATEMENT REGARDING RESPONSES TO QUESTIONS 1 THROUGH 6 In response to questions 1 through 6 of the data request, PG&E is providing confidential data from the 2023 Office of Energy Infrastructure and Safety (EIS) Geographic Information System (GIS) Data Standard submissions as requested by the requesting party. PG&E is providing the data in a format that is approximately 1.35 million records each quarter, individual record review for confidential data is neither feasible nor practical. This includes internal and related tables included in the submission are not static and change each quarter. Additionally, the disconnected aspect of the data and the partial representation of the data create complexities in identifying the confidentiality of individual records and attributes associated with the data. The data is provided in a format that is dependent on the request, and to help mitigate against the risk of misinterpreting or misusing the data, PG&E is providing a detailed explanation of the records. PG&E respectfully requests that MDRA use this data for internal purposes and not make it available to a third party.  In response to this request, PG&E is providing Camera and Weather Station data as requested in the 2023 Energy Safety GIS Data Standard Submission. PG&E is also providing non-confidential data from the Support Structure feature class. As requested, WMP-Discovery2023-025_08_MDRA_008-0001 Page 2 PG&E is not providing data for the Fuse feature class as this data is confidential critical energy infrastructure information (CEI). Please see attachment "WMP-Discovery2023-025_08_MDRA_008-0001-0A16101.xls" for the data included in response to this data request.	Joseph Michael	3010023	450004	450004	<a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a> <a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-03 Progress on Filig Asset Inventory Data Gaps
Pre-Discovery 55	MDRA	Data Request No. 8	MDRA_Data Request No. 8	1(n)	MDRA_Data Request No. 8_01(n)	DISC Data: Please provide the GIS data set provided to the Office of Energy Infrastructure Safety for Q1-Q4 2023. Please provide any confidential attributes that may have been added to the requested response. Please provide any Asset Point data for Camera, Fuse, Support Structure, and Weather Station.	GENERAL STATEMENT REGARDING RESPONSES TO QUESTIONS 1 THROUGH 6 In response to questions 1 through 6 of the data request, PG&E is providing confidential data from the 2023 Office of Energy Infrastructure and Safety (EIS) Geographic Information System (GIS) Data Standard submissions as requested by the requesting party. PG&E is providing the data in a format that is approximately 1.35 million records each quarter, individual record review for confidential data is neither feasible nor practical. This includes internal and related tables included in the submission are not static and change each quarter. Additionally, the disconnected aspect of the data and the partial representation of the data create complexities in identifying the confidentiality of individual records and attributes associated with the data. The data is provided in a format that is dependent on the request, and to help mitigate against the risk of misinterpreting or misusing the data, PG&E is providing a detailed explanation of the records. PG&E respectfully requests that MDRA use this data for internal purposes and not make it available to a third party.  In response to this request, PG&E is providing Camera and Weather Station data as requested in the 2023 Energy Safety GIS Data Standard Submission. PG&E is also providing non-confidential data from the Support Structure feature class. As requested, WMP-Discovery2023-025_08_MDRA_008-0001 Page 2 PG&E is not providing data for the Fuse feature class as this data is confidential critical energy infrastructure information (CEI). Please see attachment "WMP-Discovery2023-025_08_MDRA_008-0001-0A16101.xls" for the data included in response to this data request.	Joseph Michael	3010023	4222004	4222004	<a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a> <a href="https://www.pge.com/energy/energy-safety/energy-safety-portal/">https://www.pge.com/energy/energy-safety/energy-safety-portal/</a>	1	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-03 Progress on Filig Asset Inventory Data Gaps







Pre-Discovery 75	CaPA	Set WMP-39	CaPA_Set WMP-39	1400	CaPA_Set WMP-39_Q1400	<p>Has PG&amp;E's Asset Failure Analysis Team usually corrected any gridlines that occurred in 2023 to assess with existing assets or vegetation corrective notifications at the time of gridline?</p> <p>If the answer to part (a) is yes, please provide the following information for each gridline:</p> <p>1. Urban gridline (Identify the previous question)</p> <p>2. Date of gridline</p> <p>3. Cause(s) identified by the Asset Failure Analysis Team</p> <p>4. The type of corrective notification that was issued to the gridline (i.e., the priority level and whether it related to asset management or vegetation management)</p> <p>5. Copies of associated reports or investigations performed by the Asset Failure Analysis Team</p>	<p>Please note the attachments to this response contain CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration.</p> <p>1) Yes, PG&amp;E has corrected gridlines that occurred in 2023 to assess with existing assets or vegetation corrective notifications at the time of gridline.</p> <p>2) Please see the table below for links to the requested information.</p> <p>Gridline ID</p> <p>System</p> <p>Date</p> <p>Report</p> <p>Corrective Notification (Type and Description)</p> <p>Attachment Name</p> <p>20230119_11123</p> <p>Wire</p> <p>Open line</p> <p>Interior</p> <p>1st party</p> <p>2nd party</p> <p>Contractor</p> <p>Utility</p> <p>EC Notification 12148810 (E Priority)</p> <p>Division Inspection Finding #1</p> <p>WMP Discovery 2023-2025_DR_CaAdvocates_039-Q0140001CONF.pdf</p> <p>2023062606101023</p> <p>3rd party</p> <p>None</p> <p>Outgoing</p> <p>Steel pipe</p> <p>Spined s</p> <p>Wood</p>	Holly Wetmore	5/15/2024	5/16/2024	5/16/2024	<a href="https://www.pge.com/Asset/Failure/Analysis/20230119_11123">https://www.pge.com/Asset/Failure/Analysis/20230119_11123</a>	4	NA	NA	Section 8.3 - Situational Awareness and Forecasting	8.3.1 Existing Ignition Detection Sensors and Systems
Pre-Discovery 76	CaPA	Set WMP-39	CaPA_Set WMP-39	15	CaPA_Set WMP-39_Q15	<p>On page 144 of PG&amp;E's 2023-2025 WMP-39, January 9, 2024, PG&amp;E stated that it was reviewing its field safety reassessment procedure (TD-8123P-200) and expected to publish the revised procedure by the end of 2023.</p> <p>1) Has PG&amp;E published the revised TD-8123P-200 procedure?</p> <p>2) If the answer to part (a) is yes, briefly describe the substance of the changes to the procedure.</p> <p>3) If the answer to part (a) is no, please explain the delay.</p> <p>4) If the answer to part (a) is no, please state when PG&amp;E currently expects to publish the revised TD-8123P-200 procedure.</p>	<p>Please note the attachment to this response contains CONFIDENTIAL information provided pursuant to the accompanying confidentiality declaration.</p> <p>1) Yes, PG&amp;E published the revised TD-8123P-200 procedure on December 29, 2023.</p> <p>2) For the responses to TD8123P_2_C, Cation, Composite Action Compliance, Folsom Lr - Brewer Pkg.pdf, submitted to the CPUC on February 9, 2024, the TD-8123P-200 procedure was updated to reflect the revised Plan Task &amp; Time (PT&amp;T) for the revised (R) Electric Corrective Notification (ECN) Notifications require a First Safety Reassessment (FSR).</p> <p>3) Quality control (QC) review to remove any PT&amp;T or IR inspections from FSR.</p> <p>4) A 90-day validation process to check for cancellation of notifications created by either PT&amp;T or IR inspections.</p> <p>5) S&amp;T and Impact Age enhancements allowing inspectors to note that additional asset health conditions have been identified in the field on that tag. Our review updates are flagged for review.</p> <p>6) Please see attachment "WMP-Discovery2023-2025_DR_CaAdvocates_039-Q0150001CONF.pdf" for the requested information. Please note that the attachment contains confidential information.</p> <p>7) Not applicable.</p> <p>8) Not applicable.</p>	Holly Wetmore	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Asset/Failure/Analysis/20230119_11123">https://www.pge.com/Asset/Failure/Analysis/20230119_11123</a>	1	NA	8	Section 8.1.7 - Open Work Orders	8.1.7.2 Open Work Orders - Distribution Tags
Pre-Discovery 77	CaPA	Set WMP-39	CaPA_Set WMP-39	16	CaPA_Set WMP-39_Q16	<p>In response to data request CaAdvocates-PGE-2023WMP-19 question 15, April 24, 2023, PG&amp;E stated that it was actively analyzing the effectiveness of both covered conductor and bare conductor in combination with EPSS and OCCOPY. PG&amp;E stated that it anticipated completing the analysis in 2023.</p> <p>1) Has PG&amp;E completed the analysis mentioned above?</p> <p>2) If the answer to part (a) is yes, please provide a copy of any reports or other output from the analysis.</p> <p>3) If the answer to part (a) is no, please explain the delay.</p> <p>4) If the answer to part (a) is no, please state when PG&amp;E currently expects to complete this analysis.</p>	<p>1) No. The data analysis has been drafted but is not yet complete.</p> <p>2) Not applicable.</p> <p>3) PG&amp;E is still internally validating the results for quality review in preparation for the SB 884 10 Year Undergrounding Plan.</p> <p>4) The analysis will be included in our SB 884 10 year undergrounding plan, which is expected to be filed later this year. The timing of the filing, however, is dependent on when we receive the necessary publications from Energy Safety.</p>	Holly Wetmore	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Asset/Failure/Analysis/20230119_11123">https://www.pge.com/Asset/Failure/Analysis/20230119_11123</a>	0	NA	8.1.2	Grid Design and System Hardening	Vegetation
Pre-Discovery 78	CaPA	Set WMP-39	CaPA_Set WMP-39	17	CaPA_Set WMP-39_Q17	<p>In response to data request CaAdvocates-PGE-2023WMP-27 question 6, August 16, 2023, PG&amp;E stated that it was conducting a Substation Animal Abatement Effectiveness Study in partnership with Electric Power Research Institute (EPRI) by the end of 2024.</p> <p>1) Has PG&amp;E completed the Substation Animal Abatement Effectiveness Study?</p> <p>2) If the answer to part (a) is yes, please provide a copy of any reports or other output from the Substation Animal Abatement Effectiveness Study.</p> <p>3) If the answer to part (a) is no, please explain the delay.</p> <p>4) If the answer to part (a) is no, please state when PG&amp;E currently expects to complete the Substation Animal Abatement Effectiveness Study.</p>	<p>1) No. PG&amp;E has not yet completed the Substation Animal Abatement Effectiveness Study using conductors in partnership with the Electric Power Research Institute (EPRI).</p> <p>2) Not applicable.</p> <p>3) At the end of January 2024, EPRI requested more data and a deadline extension of 6 months in order to complete their work on the study.</p> <p>4) PG&amp;E currently hopes to have the EPRI Substation Animal Abatement Effectiveness report by end of July 2024, based on EPRI's request for an extension of data.</p>	Holly Wetmore	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Asset/Failure/Analysis/20230119_11123">https://www.pge.com/Asset/Failure/Analysis/20230119_11123</a>	0	NA	8.1.2.1.2	Grid Design and System Hardening	Other Technologies and Systems - Substation Animal Abatement
Pre-Discovery 79	CaPA	Set WMP-39	CaPA_Set WMP-39	18	CaPA_Set WMP-39_Q18	<p>In response to data request CaAdvocates-PGE-2023WMP-27 question 6, August 16, 2023, PG&amp;E stated that it was fielding a study to assess the recorded reliability improvements at locations that have been undergrounded and/or have been hardened with covered conductor. PG&amp;E stated that it anticipated completing this analysis in October of 2023.</p> <p>1) Has PG&amp;E completed the study mentioned above?</p> <p>2) If the answer to part (a) is yes, please provide a copy of any reports or other output from the study.</p> <p>3) If the answer to part (a) is no, please explain the delay.</p> <p>4) If the answer to part (a) is no, please state when PG&amp;E currently expects to complete this analysis.</p>	<p>1) No. The data analysis has been drafted but is not yet complete.</p> <p>2) Not applicable.</p> <p>3) PG&amp;E is still internally validating the results for quality review in preparation for the SB 884 10 Year Undergrounding Plan.</p> <p>4) This analysis will be included in our SB 884 10 year undergrounding plan, which is expected to be filed later this year. The timing of the filing, however, is dependent on when we receive the necessary publications from Energy Safety.</p>	Holly Wetmore	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Asset/Failure/Analysis/20230119_11123">https://www.pge.com/Asset/Failure/Analysis/20230119_11123</a>	0	NA	Appendix D	Appendix D - Areas for Continued Improvement	Appendix D ACI PG&E-22-16 Progress and Updates on Undergrounding and R&A Prioritization
Pre-Discovery 80	CaPA	Set WMP-39	CaPA_Set WMP-39	19	CaPA_Set WMP-39_Q19	<p>In response to data request CaAdvocates-PGE-2023WMP-29 question 5, September 27, 2023, PG&amp;E stated that it expected to publish its 2023 Electric Asset Management Plan by the end of 2023.</p> <p>1) Has PG&amp;E completed the 2023 Electric Asset Management Plan?</p> <p>2) If the answer to part (a) is yes, please provide a copy of the 2023 Electric Asset Management Plan.</p> <p>3) If the answer to part (a) is no, please explain the delay.</p> <p>4) If the answer to part (a) is no, please state when PG&amp;E currently expects to publish the 2023 Electric Asset Management Plan.</p>	<p>1) PG&amp;E is working on completing final updates to the 2023 Electric Asset Management Plan and intends to publish this document in June 2024.</p> <p>2) Not applicable.</p> <p>3) PG&amp;E will provide the completed document once it is finalized and published.</p> <p>4) Not applicable.</p> <p>5) The 2023 Electric Asset Management Plan has been reviewed and approved by PG&amp;E leadership. However, the document is still going through the technical writer formatting and processing, along with the other functional areas' asset management plans.</p> <p>6) PG&amp;E tentatively expects to publish the 2023 Electric Asset Management Plan in June 2024.</p>	Holly Wetmore	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Asset/Failure/Analysis/20230119_11123">https://www.pge.com/Asset/Failure/Analysis/20230119_11123</a>	0	NA	NA	NA	NA
Pre-Discovery 80	CaPA	Set WMP-39	CaPA_Set WMP-39	19a	CaPA_Set WMP-39_Q19a	<p>In response to data request CaAdvocates-PGE-2023WMP-29 question 5, September 27, 2023, PG&amp;E stated that it expected to publish its 2023 Electric Asset Management Plan by the end of 2023.</p> <p>1) Has PG&amp;E completed the 2023 Electric Asset Management Plan?</p> <p>2) If the answer to part (a) is yes, please provide a copy of the 2023 Electric Asset Management Plan.</p> <p>3) If the answer to part (a) is no, please explain the delay.</p> <p>4) If the answer to part (a) is no, please state when PG&amp;E currently expects to publish the 2023 Electric Asset Management Plan.</p>	<p>1) Please see "WMP-Discovery2023-2025_DR_CaAdvocates_039-Q019a001A6801CONF.pdf" for the completed 2023 Electric Asset Management Plan.</p> <p>2) Not applicable.</p>	Holly Wetmore	3/22/2024	6/21/2024	6/18/2024	<a href="https://www.pge.com/Asset/Failure/Analysis/20230119_11123">https://www.pge.com/Asset/Failure/Analysis/20230119_11123</a>	1	NA	NA	N-Q371 Q866/A	NA
Pre-Discovery 81	CaPA	Set WMP-39	CaPA_Set WMP-39	20	CaPA_Set WMP-39_Q20	<p>In response to data request CaAdvocates-PGE-2023WMP-29 question 6, September 27, 2023, PG&amp;E stated the following: "We will evaluate the history of response to wire down conditions in the HFRAMP/TD, occurring during the lightning peak wildfire season of September 1st and November 1st, going back to 2020. We can compare that analysis by December 31, 2023."</p> <p>1) Has PG&amp;E completed the analysis mentioned above?</p> <p>2) If the answer to part (a) is yes, briefly describe your findings.</p> <p>3) If the answer to part (a) is no, please explain the delay.</p> <p>4) If the answer to part (a) is no, please state when PG&amp;E currently expects to complete the analysis.</p>	<p>1) PG&amp;E has not yet completed its evaluation. PG&amp;E is currently evaluating outage on High Risk Areas (HFRAs), High Fire Threat Areas (HFTAs) areas with wire down conditions during peak wildfire season between May 1 and November 1 at this time.</p> <p>2) Not applicable, please see the responses to subpart (a).</p> <p>3) Not applicable, please see the responses to subpart (a).</p> <p>4) The HFRAs/HFTAs Wire-Down Outage Response time analysis has been delayed due to resource constraints during the extended 2022 wildfire season and the 2024 wildfire season planning activities.</p> <p>5) PG&amp;E expects to complete the analysis by June 2024.</p>	Holly Wetmore	3/22/2024	4/5/2024	4/5/2024	<a href="https://www.pge.com/Asset/Failure/Analysis/20230119_11123">https://www.pge.com/Asset/Failure/Analysis/20230119_11123</a>	0	NA	8.2.3.4	Vegetation Management and Inspections	Fall in Migration