

Link to Discovery Responses: https://www.pge.com/en_us/safety/emergency-preparedness/natural-disaster/wildfires/wildfire-mitigation-plan-discovery-data-requests-page

Count	Party Name	Data Set	Data Request	Question No.	Question ID	Question Text	Requestor	Date Rec'd	Final Due Date	Date Sent	Number of Atrchs	NDA Requested	WMP Section	Category	Subcategory
1	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	1	CalAdvocate s-PGE-2022WMP-12_1	In response to Data Request CalAdvocates-PGE-2022WMP-03, Question 5, PG&E stated with regard to detailed ground inspections of transmission towers, "The average number of inspections completed per day in 2021 was 10.9 for contractors, and 7.6 for internal PG&E inspectors." a) State the factors that explain why contractors performed more inspections per day on average than PG&E inspectors in 2021.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.2	Asset Management and Inspections	Detailed Inspections of Transmission electric lines and equipment
2	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	2	CalAdvocate s-PGE-2022WMP-12_2	In response to Data Request CalAdvocates-PGE-2022WMP-03, Questions 9-11, PG&E responded that "PG&E's search of LC tags issued as a result of both desktop and field Quality Control reviews of transmission structures. Provide the following data for desktop Quality Control reviews of transmission climbing inspections: For desktop Quality Control reviews of transmission drone inspections, please provide the same data as requested in Question 2."	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	1		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
3	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	3	CalAdvocate s-PGE-2022WMP-12_3	For desktop Quality Control reviews of transmission climbing inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
4	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	4	CalAdvocate s-PGE-2022WMP-12_4	For desktop Quality Control reviews of transmission climbing inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
5	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	5	CalAdvocate s-PGE-2022WMP-12_5	For field Quality Control reviews of transmission climbing inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
6	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	6	CalAdvocate s-PGE-2022WMP-12_6	For field Quality Control reviews of transmission drone inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
7	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	7	CalAdvocate s-PGE-2022WMP-12_7	For field Quality Control reviews of transmission detailed ground inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
8	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	8	CalAdvocate s-PGE-2022WMP-12_8	In response to Data Request CalAdvocates-PGE-2022WMP-08, CS3Question 4, PG&E stated that PG&E System Inspection Quality Control found through Desktop Reviews that 60% of inspections had no mistakes and 13% of inspections resulted in a "Failed Review." Through Field Reviews, Quality Control found that 45% of inspections had no mistakes and 20% of inspections resulted in a "Failed Review."	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
9	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	9	CalAdvocate s-PGE-2022WMP-12_9	For Desktop Quality Control reviews of detailed distribution inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
10	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	10	CalAdvocate s-PGE-2022WMP-12_10	For Field Quality Control reviews of detailed distribution inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
11	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	11	CalAdvocate s-PGE-2022WMP-12_11	In response to Data Request CalAdvocates-PGE-2022WMP-04, Question 2, PG&E stated that "The requested information is provided in PG&E's 2022 WMP in Section 7.1.F. PG&E is providing attachment "WMP_Discovery2022_DR_CalAdvocates_004-20220409.rpt" which has been prepared with the same information in the requested shapefile format. "Cal Advocates understands "The requested information is provided in PG&E's 2022 WMP in Section 7.1.F.F" to refer to the file "WMP_section_71F.gdb." Is this correct?"	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.1.F	Wildfire Mitigation Strategy	Wildfire Risk Data
12	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	12	CalAdvocate s-PGE-2022WMP-12_12	The file "wmp_section_71F.gdb" submitted with PG&E's 2022 WMP contains a layer titled "WMP_section_71F Distribution_Wildfire_Risk." This layer has the following attributes: OBJECTID, mean_mast_core_risk, Shape_Length	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	1		7.1.F	Wildfire Mitigation Strategy	Wildfire Risk Data
13	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	13	CalAdvocate s-PGE-2022WMP-12_13	In response to Data Request CalAdvocates-PGE-2022WMP-04, Question 10, PG&E stated, "At this time, the program cannot forecast with accuracy the split of the 2022 budget forecast into Covered Conductor, Underground, and Line Removal." a) Please explain how PG&E developed the forecast total expenditure of \$819.1 million for 2022 system hardening, reported in response to that Data Request.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.3.17.1	Grid Design and System Hardening	Updates to grid topology to minimize risk of ignition in HFTDs, System Hardening, Distribution
14	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	14	CalAdvocate s-PGE-2022WMP-12_14	In response to Data Request CalAdvocates-PGE-2022WMP-08, Question 7, PG&E stated, "We did not change the priority of the corrective notification during the period of February 19, 2020 to June 16, 2021 because none of the inspectors who reviewed this location during this time period recommended a priority change of the corrective notification." With that context: a) Do PG&E's inspection procedures require inspectors to recommend priority changes to an existing PG&E's 2021 Grid Quality Initiative Update states the following regarding 2021 WMP Initiative 7.3.3.17.4: Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter: The current REFLC pilot project at Callisto experienced unsuccessful technology integration and implementation to date. We have encountered challenges with successfully implementing the REFLC technology, and reported final results based on this pilot.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.3.17.4	Grid Design and System Hardening	Other corrective action, Maintenance, Distribution
15	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	1	CalAdvocate s-PGE-2022WMP-13_1	a) What is the status of PG&E's REFLC program as of the issuance date of this DR? b) Does PG&E plan to continue the REFLC program? c) If the answer to subpart (b) is "yes", please describe PG&E's current plans (with specific project timelines and milestones) for the REFLC program.	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	1		7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
16	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	2	CalAdvocate s-PGE-2022WMP-13_2	PG&E's 2022 WMP states: While we have not set specific targets for this initiative and will not provide ongoing reporting each quarter on REFLC systems at this time, PG&E plans to repair and rebuild the REFLC installation at Callisto to complete additional pilot evaluation. If the additional pilot is successful, PG&E will look for opportunities to bring REFLC into full service and will evaluate whether any additional sites are appropriate for future PG&E's 2022 WMP states: The Callisto REFLC pilot project finished construction in 2020. In 2021, PG&E attempted to commission and test the REFLC technology in Callisto. PG&E completed an elevated voltage stress test and one field ground fault test which demonstrated that REFLC technology can be effective at reducing fault currents to below pre-fault ignition levels. a) Please explain what you mean by "REFLC technology can be effective at reducing fault currents to below pre-fault ignition levels."	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	0		7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
17	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	3	CalAdvocate s-PGE-2022WMP-13_3	After the initial positive tests, the Callisto REFLC pilot demonstration was stalled due to the failure of the substation REFLC equipment. In addition, PG&E had difficulty obtaining replacement equipment from various overseas suppliers due to supply chain issues and the ongoing COVID-19 pandemic. a) Please describe the nature of the "failure of the substation REFLC equipment". b) How long has the REFLC pilot been stalled?	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	0		7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
18	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	4	CalAdvocate s-PGE-2022WMP-13_4	How effective is REFLC compared to covered conductor installation in reducing wildfire risks? a) Please provide any available supporting documentation regarding your response to subpart (a) above. c) How effective is REFLC compared to undergrounding in reducing wildfire risks? d) Please provide any available supporting documentation regarding your response to subpart (c) above.	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	0		7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
19	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	5	CalAdvocate s-PGE-2022WMP-13_5	PG&E's 2022 WMP states: REFLC technology could not be fully evaluated beyond the initial testing because of the equipment failure and supply chain issues. As a result, PG&E is looking to further study REFLC capabilities after obtaining replacement supplies and making repairs and modifications at the Callisto site in 2022. a) When does PG&E expect to obtain these replacement supplies? b) How will PG&E fully evaluate the REFLC technology beyond the initial testing? PG&E's 2022 WMP provides the following for "Lessons Learned" from the REFLC initiative in 2021: a) PG&E should use gang operated switchgear and protective devices instead of single pole operated devices for REFLC installations. b) PG&E should consider the use of domestically available equipment for future REFLC installation to avoid foreign supply chain issues. c) PG&E should consider the use of domestically available equipment for future REFLC installation to avoid foreign supply chain issues. d) PG&E should consider the use of domestically available equipment for future REFLC installation to avoid foreign supply chain issues. PG&E's Test Year 2023 General Rate Case Testimony, Exhibit PG&E-4, states the following regarding the REFLC program: Based on our initial testing and the successful implementation in Australia, PG&E has developed a short-term strategy to install REFLCs in HFTD areas. PG&E forecasts deploying REFLCs at an additional two substations each year, but these plans could change pending pilot results and integration with other hardening measures. PG&E's 2022 WMP Initiative 7.3.3.17.4 - Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter: a) PG&E should use gang operated switchgear and protective devices instead of single pole operated devices for REFLC installations. b) PG&E should consider the use of domestically available equipment for future REFLC installation to avoid foreign supply chain issues. c) PG&E should consider the use of domestically available equipment for future REFLC installation to avoid foreign supply chain issues. d) PG&E should consider the use of domestically available equipment for future REFLC installation to avoid foreign supply chain issues. 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32	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14_2	2	CalAdvocate s-PGE-2022WMP-14_2	On Pg. 435 of your 2022 WMP Update states, "The table represents base overhead System Hardening projects after scoping is completed. As mentioned above, the Rebutal occurs on a faster cycle." Therefore, please disaggregate table 7.3.3.1 into separate data according to the following project types (assuming that projects are comparable in scale). a) Please provide a gis spatial file showing where PGE completed repairs of the deteriorated crossarms noted above. b) Please provide a gis spatial file showing where PGE replaced poles. c) Please provide a gis spatial file showing where PGE reinforced poles.	Dillon Copa Holy Werhman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.3	Grid Design and System Hardening	Covered Conductor Installation
33	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14_3	3	CalAdvocate s-PGE-2022WMP-14_3	On Pg. 445 of PGE's 2022 WMP, PGE states, "In 2021, PGE replaced 16,359 poles and reinforced 3,012 poles." a) Please provide a gis spatial file showing where PGE replaced poles. b) Please provide a gis spatial file showing where PGE reinforced poles.	Dillon Copa Holy Werhman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	1	7.3.3.5	Grid Design and System Hardening	Crossarm Maintenance, Repair and Replacement
34	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14_4	4	CalAdvocate s-PGE-2022WMP-14_4	On Pg. 451 of PGE's 2022 WMP, PGE states, "Recently, moisture intrusion issues have been identified in some of the 'Viper' branded reclosers that have been installed on the PGE system. After significant rains in the fall of 2021, this issue, which impacts the functionality but not the safety of these devices, was identified in several locations." a) Please describe the moisture intrusion issue occurring on the Viper reclosers.	Dillon Copa Holy Werhman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.8.1	Grid Design and System Hardening	Distribution Pole Replacement
35	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14_5	5	CalAdvocate s-PGE-2022WMP-14_5	On Pg. 452 of PGE's 2022 WMP, PGE states, "We achieved our 2021 target to install 25 switches by September 1, 2021. In addition, we installed 12 T-Line SCADA switches benefiting PPS operators after September 1, 2021 for a total of 41." a) Please provide GIS point location data (in gis format) showing where PGE completed installations of the 25 switches in 2021.	Dillon Copa Holy Werhman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	2	7.3.3.8.2	Grid Design and System Hardening	Transmission Line Sectionalizing
36	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14_6	6	CalAdvocate s-PGE-2022WMP-14_6	On Pg. 472 of PGE's 2022 WMP, PGE states, "Due to the weather conditions in 2021, none of the substations where generation was staged were allowed in the 2021 PPS season." a) What lessons did PGE learn about staging temporary generation from its experience in 2021? b) How will PGE improve its staging of generation in 2022 to ensure that it is useful during the PPS season?	Dillon Copa Holy Werhman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.11.1	Grid Design and System Hardening	Generation for PPS Mitigation
37	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14_7	7	CalAdvocate s-PGE-2022WMP-14_7	On Pg. 514 of PGE's 2022 WMP, PGE states, "PGE switched vendors for this work in 2021. Contracts took longer than expected and the new vendor had to complete an extensive pilot to establish a solid foundation based on high quality site loading calculations." a) Please describe why PGE switched vendors for this work in 2021. b) Please provide all supporting documents and claims that describes PGE's reasoning related to its vendor change.	Dillon Copa Holy Werhman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	2	7.3.3.13	Grid Design and System Hardening	Pole Loading Infrastructure Hardening and Replacement
38	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14_8	8	CalAdvocate s-PGE-2022WMP-14_8	On Pg. 551 of PGE's 2022 WMP, PGE states that it will complete 32 circuit-miles of transmission system hardening in 2022. a) Please disaggregate these circuit-miles of transmission hardening into the following types: bare-wire overhead hardening, conductor removal, other. b) Please state how many total circuit-miles of transmission system hardening you plan to complete in 2022. c) Please provide a map showing the locations of the transmission system hardening projects in 2022. The program expects to grow from 1 SPS unit deployed in 2021 to 2 SPS units deployed in 2022 and on towards approximately 15 projects in 2023, followed by additional growth in the overall number of systems deployed annually in 2024-2025. a) Please describe the planning, scoping, and pre-construction work PGE will be performing in 2022 to facilitate the start of the 2023 work. b) Please describe the planning, scoping, and pre-construction work PGE will be performing in 2023 to facilitate the start of the 2024 work.	Dillon Copa Holy Werhman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.17.5	Grid Design and System Hardening	Remote Grid
39	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14_9	9	CalAdvocate s-PGE-2022WMP-14_9	On Pg. 567 of PGE's 2022 WMP, PGE uses three different terms, "branch miles," "circuit miles" and "underground miles." a) Please define each of these terms. b) How does each term differ from one another? c) Please provide a conversion between these units of measure for a 3-phase circuit (i.e., x branch miles = y circuit miles).	Dillon Copa Holy Werhman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.17.6	Grid Design and System Hardening	Butte County Rebutal Program
40	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14_10	10	CalAdvocate s-PGE-2022WMP-14_10	On Pg. 567 of PGE's 2022 WMP, PGE states, "This figure does not include a small volume (approximately 1.4 circuit miles) of previously hardened overhead lines that were placed underground." a) How many circuit-miles total (including non-Butte rebutal miles) were previously hardened overhead and were placed underground in 2020? b) How many circuit-miles total (including non-Butte rebutal miles) were previously hardened overhead and were placed underground in 2021?	Dillon Copa Holy Werhman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.17.6	Grid Design and System Hardening	Butte County Rebutal Program
41	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14_11	11	CalAdvocate s-PGE-2022WMP-14_11	In response to Data Request CalAdvocates-PGE-2022WMP-11, Question 3, PGE provided its 2021 system hardening workplan, updated with the actual work performed in 2021. This workplan lists the circuit-miles associated with each system hardening order but does not list the circuit protection zone. Please provide an updated version of this spreadsheet with the circuit protection zone (as a new column) for each order (row).	Dillon Copa Holy Werhman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	1	7.3.3.17	Grid Design and System Hardening	System Hardening
42	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14_12	12	CalAdvocate s-PGE-2022WMP-14_12	PGE's responses to Data Request CalAdvocates-PGE-2022WMP-10, Questions 1-3, are summarized in the following table: Tree Attachments Existing as of 2/1/2022 Tree Attachments Remediated in 2021 Tree Attachments to be removed in 2022	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.3	Grid Design and System Hardening	Tree Attachments
43	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14_13	13	CalAdvocate s-PGE-2022WMP-14_13	a) Does PGE consider tree attachments to be a significant wildfire risk factor? Please explain your answer. b) Does PGE analyze and track whether ignitions or other adverse outcomes are caused by tree attachments? c) Has PGE identified any ignitions in the past five years that were caused by tree attachments? If so, how many?	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.3	Grid Design and System Hardening	Tree Attachments
44	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_1	1	CalAdvocate s-PGE-2022WMP-15_1	In response to Data Request CalAdvocates-PGE-2022WMP-10, Question 1, PGE provided its Quality Reviews of the potential exceptions identified in the Federal Monitor Report from November 18, 2021. Per the file "WMP-Discovery2022_DR_CalAdvocates_010-Q00A010.xlsx" PGE agrees with the Federal Monitor (column J) in 1,576 findings. Of those 1,576 cases, the OC Action (column K) is "NA" for 1,035 findings.	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.4.14	Asset Management and Inspections	Quality Assurance/Quality Control of Inspections
45	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_2	2	CalAdvocate s-PGE-2022WMP-15_2	In response to Data Request CalAdvocates-PGE-2022WMP-10, Question 1, PGE provided its Quality Reviews of the potential exceptions identified in the Federal Monitor Report from November 18, 2021. Per the file "WMP-Discovery2022_DR_CalAdvocates_010-Q00A010.xlsx" PGE agrees with the Federal Monitor (column J) in 636 findings. Of those 636 findings, the OC Review Action (column O) is "NA" for 616. a) Did PGE perform any retaining in association with the 616 findings where OC Review Action is listed as "NA"?	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.4.14	Asset Management and Inspections	Quality Assurance/Quality Control of Inspections
46	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_3	3	CalAdvocate s-PGE-2022WMP-15_3	Page 128 of PGE's 2022 WMP states the following: Finally, it is important to note that in this 2022 WMP, the model that is used for the development of workplans for the distribution system is the 2021 WDRM v2 which is described above and in the 2021 WMP. As described in (b) below, the 2022 WDRM v3 is still being reviewed prior to approval. Since workplans for the 2022 WMP need to be developed prior to the beginning of the year, the 2021 WDRM v2 was used to inform the workplans.	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	4.5	Model and Metric Calculation Methodologies	Wildfire Distribution Risk Model
47	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_4	4	CalAdvocate s-PGE-2022WMP-15_4	In response to Data Request CalAdvocates-PGE-2022WMP-04, Question 5, PGE provided its distribution system hardening workplan for 2022. Column P of attachment "WMP-Discovery2022_DR_CalAdvocates_004-Q00A010.xlsx" lists the risk ranking of each CPZ where PGE plans to perform system hardening work. Please provide an updated copy of this workplan with an additional column listing the risk ranking of each CPZ according to the current version of PGE's 2022 WDRM v3.	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.3.17.1	Grid Design and System Hardening	System Hardening - Distribution
48	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_5	5	CalAdvocate s-PGE-2022WMP-15_5	Page 140 of PGE's 2022 WMP states the following: To avoid exposing the model to misleading data, the training events are restricted to June through November. This does not require the assumption that no wildfires are possible in other months, but only that any ignitions and wildfires that do occur would have the same relationship with the model covariates as the ones the model is already trained on. Please provide worknotes or other available supporting evidence to support the statement that "no".	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	4.5	Model and Metric Calculation Methodologies	Wildfire Distribution Risk Model
49	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_6	6	CalAdvocate s-PGE-2022WMP-15_6	Page 145 of PGE's 2022 WMP states, "As of the state of the 2022 WMP submission, E3's review of 2022 WDRM v3 and WFC Model has not been completed." a) When does PGE expect this review to be complete? b) Please provide a copy of E3's review of PGE's 2022 WDRM v3 and WFC Model when it is complete.	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	4.5	Model and Metric Calculation Methodologies	Wildfire Distribution Risk Model
50	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_7	7	CalAdvocate s-PGE-2022WMP-15_7	Page 145 of PGE's 2022 WMP states, "As of the state of the 2022 WMP submission, E3's review of 2022 WDRM v3 and WFC Model has not been completed." a) When does PGE expect this review to be complete? b) Please provide a copy of E3's review of PGE's 2022 WDRM v3 and WFC Model when it is complete.	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	4.5	Model and Metric Calculation Methodologies	Wildfire Distribution Risk Model
51	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_8	8	CalAdvocate s-PGE-2022WMP-15_8	In response to Data Request CalAdvocates-PGE-2022WMP-13 on page 216 of PGE's 2022 WMP, PGE refers to the Progress Report 8 filed on November 1, 2021. Page 39 of this Progress Report states the following with respect development of the system hardening workplan: In addition, for some CPZs, although the CPZ is not itself the highest risk ranked CPZ, performing system hardening work may allow us to mitigate future PPS events.	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	4.6	Progress Reporting on Key Areas of Improvement	Progress on Twenty-Nine Remedies
52	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_9	9	CalAdvocate s-PGE-2022WMP-15_9	Page 316 of PGE's 2022 WMP states, "In 2021, PGE implemented a program to proactively reduce the backlog of EC tags generated during the enhanced system inspections performed in recent years." Please describe this program.	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.1.B	Wildfire Mitigation Strategy	Risk Modeling Outcomes in Decision-Making and Mitigations
53	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_10	10	CalAdvocate s-PGE-2022WMP-15_10	PGE's response to data request CalAdvocates-PGE-2022WMP-09, Question 1, shows three open Priority A corrective notifications on PGE's distribution system in HFTD with "Authorized End Dates" earlier than February 1, 2022. a) Why hasn't PGE resolved these notifications yet? b) What is PGE's timetable to resolve these notifications?	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.4	Asset Management and Inspections	Additional Detail - Distribution
54	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_11	11	CalAdvocate s-PGE-2022WMP-15_11	PGE's response to data request CalAdvocates-PGE-2022WMP-09, Question 1, shows 785 open Priority B corrective notifications on PGE's distribution system in HFTD with "Authorized End Dates" earlier than February 1, 2022. a) Why hasn't PGE resolved these notifications yet? b) What is PGE's timetable to resolve these notifications?	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.4	Asset Management and Inspections	Additional Detail - Distribution
55	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_12	12	CalAdvocate s-PGE-2022WMP-15_12	PGE's response to data request CalAdvocates-PGE-2022WMP-09, Question 1, shows 111,502 open corrective notifications on PGE's distribution system in HFTD with "Authorized End Dates" earlier than February 1, 2022 (that is, overdue notifications). Cal Advocates understands that the majority of these were opened in 2019 and later years as a result of enhanced inspections. Year corrective notification opened	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.4	Asset Management and Inspections	Additional Detail - Distribution
56	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_13	13	CalAdvocate s-PGE-2022WMP-15_13	Number of overdue corrective notifications	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.4	Asset Management and Inspections	Additional Detail
57	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_14	14	CalAdvocate s-PGE-2022WMP-15_14	a) Does PGE regularly monitor how many overdue, unresolved corrective notifications it has? b) Does PGE take any special action when a corrective notification is years past its due date? c) Does PGE analyze and track whether adverse outcomes (such as outages, wires down, and ignitions) are causally linked to overdue maintenance? d) If "Yes," E3 will request additional information addressed to us at: caladvocates@pge.com or caladvocates@pge.com .	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.4	Asset Management and Inspections	Additional Detail
58	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_15	15	CalAdvocate s-PGE-2022WMP-15_15	PGE's non-spatial data tables included in 2022-02-05_PGE_2022_WMP_Update_R0_Section 7.3.3_A0301.xlsx do not appear to follow the template included in Energy Safety's Final 2022 Wildfire Mitigation Plan (WMP) Update Guidelines, Attachment 3. Please provide an updated version of this file with data in the latest template.	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.a	Detailed Wildfire Mitigation Strategy	Financial Data on Mitigation Activities
59	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15_16	16	CalAdvocate s-PGE-2022WMP-15_16	Table 12 of PGE's non-spatial data tables appears to aggregate routine vegetation management and Enhanced Vegetation Management (EVM) under initiative 7.3.5.2 Detailed inspections and management practices for vegetation clearances around distribution electrical lines and equipment." Previously, EVM was listed separately from routine vegetation management. Please provide disaggregated costs for initiative 7.3.5.2, with separate numbers for routine VM, enhanced VM, and other.	Holly Werhman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Program Costing
60	OES	Set 004	OES-PGE-22-004_1	1	OES-PGE-22-004_1	Please provide the Model Documentation and User Guide or available technical paper for each of the following from Table 9.5-1 Glossary of Primary Models (p. 1038): a) Fire Potential Index (FPI) Model b) Public Safety Power Shutoff (PSPS) Consequence Model	Kevin Miller	3/11/2022	3/16/2022	3/16/2022	2	4.5	Model and Metric Calculation Methodologies	Fire Potential Index (FPI) Model / PSPS Consequence Model
61	OES	Set 004	OES-PGE-22-004_2	2	OES-PGE-22-004_2	While PGE provided undergrounding information in its GIS data, PGE did not specifically report underground circuit miles in the non-spatial tables. Underground circuit miles were obtained from the GIS submission. a) Please provide updated data for rows 1a_2a, and 3a in Table 8 which include underground circuits, regarding section 7.3.2 risk assessment mapping, and section 9.1 - risk mapping and assessment b) Section 7.2 of the 2022 Guidelines requires the inclusion of a "climate-driven risk map and modeling based on various relevant weather scenarios relevant maps within the report or appendices" for every risk assessment and mapping initiative. Section 6.1 defines "climate-driven risk map and modeling based on various relevant weather scenarios relevant maps within the report or appendices" for every risk assessment and mapping initiative. Section 6.1 defines "climate-driven risk map and modeling based on various relevant weather scenarios relevant maps within the report or appendices" for every risk assessment and mapping initiative.	Kevin Miller	3/11/2022	3/16/2022	3/16/2022	1	7.3.a	Detailed Wildfire Mitigation Strategy	Financial Data on Mitigation Activities
62	OES	Set 004	OES-PGE-22-004_3	3	OES-PGE-22-004_3	While PGE provided undergrounding information in its GIS data, PGE did not specifically report underground circuit miles in the non-spatial tables. Underground circuit miles were obtained from the GIS submission. a) Please provide updated data for rows 1a_2a, and 3a in Table 8 which include underground circuits, regarding section 7.3.2 risk assessment mapping, and section 9.1 - risk mapping and assessment b) Section 7.2 of the 2022 Guidelines requires the inclusion of a "climate-driven risk map and modeling based on various relevant weather scenarios relevant maps within the report or appendices" for every risk assessment and mapping initiative. Section 6.1 defines "climate-driven risk map and modeling based on various relevant weather scenarios relevant maps within the report or appendices" for every risk assessment and mapping initiative. Section 6.1 defines "climate-driven risk map and modeling based on various relevant weather scenarios relevant maps within the report or appendices" for every risk assessment and mapping initiative.	Kevin Miller	3/11/2022	3/16/2022	3/16/2022	0	7.3.1	Risk Assessment and Mapping	Climate Trends

94	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	7 SUPP	CalAdvocate s-PGE-2022WMP-17_7 SUPP	On November 2, 2021, Cal Advocates staff (and other stakeholders) visited the site of an overhead system hardening project, Diamond Springs 1107. At this site, Cal Advocates discussed the installation of covered conductor with PG&E staff. Cal Advocates was informed that, for this project, new poles with intumescent wrap were being installed. a) What factors contribute to PG&E replacing poles during covered conductor installation projects? b) Has PG&E examined the potential benefits or drawbacks of shallower trenches? c) Please explain your response to part (b). Pages 127 of document DISCOVERY2022_DR_CalAdvocates_003-QD11ACH01 (CON) contain the joint response by PG&E, SCE, and SDG&E to the issue identified by Energy Safety filed "Limited evidence to support the effectiveness of covered conductor". Page 52 of this document states, with regard to risk event mitigation, "In general, a spacer cable system and an ABC (aerial bundled cable) system provide higher effectiveness than a covered conductor system due to their strength and the ease of ABC both in strength and weather installation capabilities."	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	4/1/2022	4/1/2022	0	7.3.3.6	Grid Design and System Hardening	Distribution Pole Replacement and Reinforcement, Including with Composite Poles
95	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	8	CalAdvocate s-PGE-2022WMP-17_8	a) What is the average trench depth PG&E employs in undergrounding projects? b) Has PG&E examined the potential benefits or drawbacks of shallower trenches? c) Please explain your response to part (b).	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	4.6	Progress Reporting on Key Areas of Improvement	Additional Detail
96	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	9	CalAdvocate s-PGE-2022WMP-17_9	Please provide a spreadsheet listing (as rows) each undergrounding project completed during the period of January 1, 2020, through March 1, 2022. For each project, please provide the following information (as columns): a) Project ID number or other identifier b) Circuit ID c) Date of project completion	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.3.16	Grid Design and System Hardening	Undergrounding
97	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	10	CalAdvocate s-PGE-2022WMP-17_10	Per the table on page 270 of PG&E's 2022 WMP, in 2022 PG&E plans to complete detailed ground inspections on a minimum of 386,000 distribution poles. In 2021, PG&E targeted completing inspections on 477,309 distribution poles, and completed inspections on 480,749 distribution poles. Please state the basis for the reduction in planned distribution inspections in 2022 compared to 2021.	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/29/2022	3/29/2022	2	7.3.3.16	Grid Design and System Hardening	Undergrounding
98	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	11	CalAdvocate s-PGE-2022WMP-17_11	Per the table on page 270 of PG&E's 2022 WMP, in 2021 PG&E completed detailed distribution inspections on all assets in HFTD Tier 3 and Zone 1, and approximately one-third of assets in HFTD Tier 2. Please describe any changes to the above strategy for PG&E's detailed distribution inspections in 2022.	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/29/2022	3/29/2022	1	7.3.3.16	Grid Design and System Hardening	Undergrounding
99	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	12	CalAdvocate s-PGE-2022WMP-17_12	Page 820 of PG&E's 2022 WMP states that Desktop QC activities are conducted based on "random selection" or "probable cause" random selection. Determine the inspectors to evaluate using a simple random process methodology. Cal Advocates understands the above to mean that Desktop QC will perform QC checks on inspections performed by a subset of inspectors. This, not every inspector's work will be reviewed through Desktop QC.	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.4	Asset Management and Inspections	Detailed Inspections of Distribution Electric Lines and Equipment
100	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	13	CalAdvocate s-PGE-2022WMP-17_13	Table 12 of PG&E's 2022 WMP, the operating expenses for initiatives "7.3.4.14" Quality assurance/quality control of inspections" is as follows: 2021: \$27.3 million (actual) 2022: \$6.0 million (projected) a) Please state the basis for the reduction in forecasted operating expenditures related to this initiative. b) Please provide a spreadsheet of all transmission circuits existing as of January 1, 2022. Energy Safety requests the below document and will adhere to established confidentiality requirements agreed to with PG&E, as set forth in the 2022 Wildlife Mitigation Plan Update Guidelines.	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.4.14	Asset Management and Inspections	Quality Assurance/Quality Control of Inspections
101	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	14	CalAdvocate s-PGE-2022WMP-17_14	Table 12 of PG&E's 2022 WMP, the operating expenses for initiatives "7.3.4.14" Quality assurance/quality control of inspections" is as follows: 2021: \$27.3 million (actual) 2022: \$6.0 million (projected) a) Please state the basis for the reduction in forecasted operating expenditures related to this initiative. b) Please provide a spreadsheet of all transmission circuits existing as of January 1, 2022. Energy Safety requests the below document and will adhere to established confidentiality requirements agreed to with PG&E, as set forth in the 2022 Wildlife Mitigation Plan Update Guidelines.	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.4.14	Asset Management and Inspections	Quality Assurance/Quality Control of Inspections
102	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	15	CalAdvocate s-PGE-2022WMP-17_15	Table 12 of PG&E's 2022 WMP, the operating expenses for initiatives "7.3.4.14" Quality assurance/quality control of inspections" is as follows: 2021: \$27.3 million (actual) 2022: \$6.0 million (projected) a) Please state the basis for the reduction in forecasted operating expenditures related to this initiative. b) Please provide a spreadsheet of all transmission circuits existing as of January 1, 2022. Energy Safety requests the below document and will adhere to established confidentiality requirements agreed to with PG&E, as set forth in the 2022 Wildlife Mitigation Plan Update Guidelines.	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.4.1	Asset Management and Inspections	Quality Assurance/Quality Control of Inspections
103	OES	Set 006	OES-PG&E-22-006	1	OES-PG&E-22-006_1	On page 129, Figure PG&E 4.5-1.3, guideline categories are shown for Asset, Vegetation, and Consequence. Is the "Consequence" category the result of PG&E's application of its "Black Swan" criteria, in which it status of power under conditions of high fire spread without regard to ignition probability?	Kevin Miller	3/22/2022	3/25/2022	3/25/2022	1	N/A	Miscellaneous	Additional Detail
104	OES	Set 006	OES-PG&E-22-006	2	OES-PG&E-22-006_2	On page 129, Figure PG&E 4.5-1.3, guideline categories are shown for Asset, Vegetation, and Consequence. Is the "Consequence" category the result of PG&E's application of its "Black Swan" criteria, in which it status of power under conditions of high fire spread without regard to ignition probability?	Kevin Miller	3/22/2022	3/25/2022	3/25/2022	2	8.6	PSPS	Identification of Frequently De-Energized Circuits
105	MGRA	2	MGRA Data Request No. 2	1	MGRA Data Request No. 2_1	Please provide a GIS file showing all EPSS outages and including an attribute for determined cause.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	N/A	EPSS	Outage History
106	MGRA	2	MGRA Data Request No. 2	2	MGRA Data Request No. 2_2	Please provide data for all ignitions that occurred while EPSS was active on a circuit, including size and attributed cause.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	N/A	EPSS	Ignition Trends
107	MGRA	2	MGRA Data Request No. 2	3	MGRA Data Request No. 2_3	Is SmartMeter Partial Voltage Detection used for emergency de-energization?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	N/A	EPSS	Additional Detail
108	MGRA	2	MGRA Data Request No. 2	4	MGRA Data Request No. 2_4	On p. 890, Figure PG&E 4.5-1.3, guideline categories are shown for Asset, Vegetation, and Consequence. Is the "Consequence" category the result of PG&E's application of its "Black Swan" criteria, in which it status of power under conditions of high fire spread without regard to ignition probability?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	8	PSPS	Additional Detail
109	MGRA	2	MGRA Data Request No. 2	5	MGRA Data Request No. 2_5	On p. 906, PG&E describes its decision-making process for PSPS. How does the existence of fires in or threatening the potential PSPS areas affect the decision to de-energize?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	8	PSPS	Additional Detail
110	MGRA	2	MGRA Data Request No. 2	6	MGRA Data Request No. 2_6	On page 8, PG&E discusses "new modeling" for ignition risk. Please provide the description of what this "new modeling" consists of or provide and appropriate reference.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
111	MGRA	2	MGRA Data Request No. 2	7	MGRA Data Request No. 2_7	In Table PG&E 4.2-2: WILDFIRE RISK DRIVERS, the frequency of facility failures plus object contact in the HFTD is 60, compared to 74 for vegetation contact. Frequency of vegetation plus object contact represents 38.6% of the risk, while vegetation contact represents 59.3% of the risk. Frequency of vegetation contact is 52% larger than the other two drivers combined. How does PG&E account for this discrepancy?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	7.3.1	Risk Assessment and Mapping	Wildfire Risk Data
112	MGRA	2	MGRA Data Request No. 2	8	MGRA Data Request No. 2_8	On page 129, Figure PG&E 4.5-1.3, 2022 WDRM V3 COMPOSITE MODEL ARCHITECTURE, was the new WDRM V3 used in the GRC update provided in February?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	7.3.1	Risk Assessment and Mapping	Risk Model
113	MGRA	2	MGRA Data Request No. 2	9	MGRA Data Request No. 2_9	Please ask Technosys to provide a table and plot of 8 hour fire sizes against final fire sizes for a large (reasonably complete) set of historical fires.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	7.3.1	Risk Assessment and Mapping	Additional Data
114	MGRA	2	MGRA Data Request No. 2	10	MGRA Data Request No. 2_10	Provide a non-confidential version of documentation describing the IPW model.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	7.3.1	Risk Assessment and Mapping	Additional Data
115	MGRA	2	MGRA Data Request No. 2	11	MGRA Data Request No. 2_11	On p. 189, PG&E states that the IPW model uses the Cat Boost Machine Learning model. What implementation of the Cat Boost Machine learning model was used for the IPW?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	7.3.1	Risk Assessment and Mapping	Additional Data
116	MGRA	2	MGRA Data Request No. 2	12	MGRA Data Request No. 2_12	On p. 191, PG&E states that with its IPW model "Operational Meteorologists used the dashboard to evaluate model performance against key historical storm events, evaluating timing of whether onset compared to modeled outage probability increases, and relative magnitude of outage probabilities." Please provide tabular and graphical analysis showing how the IPW finds that ignition probability increases versus wind speed for the five classes.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	2	7.3.1	Risk Assessment and Mapping	Additional Data
117	MGRA	2	MGRA Data Request No. 2	13	MGRA Data Request No. 2_13	On p. 265 PG&E describes its undergrounding efforts "including a small volume of previously hardened overhead lines that are being placed underground, and any other undergrounding work performed in HFTD or fire rebuild areas." How many miles of previously hardened lines are being underground and what is the motivation for this action?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	7.3.3	Undergrounding	Additional Data
118	MGRA	2	MGRA Data Request No. 2	14	MGRA Data Request No. 2_14	Are the reviews of staff, management, or executives in any way tied to targets related to the successful completion of undergrounding projects?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	7.3.3	Undergrounding	Additional Data
119	MGRA	2	MGRA Data Request No. 2	15	MGRA Data Request No. 2_15	In attachment TN10634-0 20220225T144600_Section_7TH_Ach01_WorkMaps, PG&E provides maps for Covered conductor Installation, Undergrounding of Electric Lines or Equipment, and System hardening including line removal. Please provide these maps as a GIS file.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	7.3.3	Grid Design and System Hardening	Additional Data
120	MGRA	2	MGRA Data Request No. 2	16	MGRA Data Request No. 2_16	Please provide a non-confidential version of Data request response WMP-Discovery2022_DR_CalAdvocates_003-QD11ACH01(CON) regarding PG&E's hardening program.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	7.3.3	Grid Design and System Hardening	Additional Data
121	MGRA	2	MGRA Data Request No. 2	17	MGRA Data Request No. 2_17	On p. 319, PG&E states that it has "Developed a weather-station specific wind gust model, with particular emphasis on Diablo winds." Please provide the documentation for this weather model.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	7.3.2	Situational Awareness and Forecasting	Additional Data
122	MGRA	2	MGRA Data Request No. 2	18	MGRA Data Request No. 2_18	On how many weather stations is 30 second weather observations collected? Please provide a list of it is not the complete set of weather stations. How long in the 30 second data maintained on the weather station? Is the 30 second weather data available to the public and are there any plans to make it so?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	7.3.2	Situational Awareness and Forecasting	Additional Data
123	MGRA	2	MGRA Data Request No. 2	19	MGRA Data Request No. 2_19	On p. 384, PG&E states that "The phase and magnitude of the Madden-Julian Oscillation was shown to be a potential predictor of upcoming Diablo wind events by both internal and external research. Provide appropriate citations."	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	7.3.2	Situational Awareness and Forecasting	Additional Data
124	MGRA	2	MGRA Data Request No. 2	20	MGRA Data Request No. 2_20	On p. 765, PG&E states that its "EI team conducted audit of multiple work tracking databases to identify ignitions that had been missed in the past, increasing PG&E's ignition record by 23 percent." Please provide a complete set of the newly identified ignitions in GIS format.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	7.3.7.4	Data Governance	Tracking and Analysis of Risk Event Data
125	MGRA	2	MGRA Data Request No. 2	21	MGRA Data Request No. 2_21	Provide the EI "data dictionary/lookup guide for all collected [ignition] data points" with any confidential information removed.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	7.3.7.1	Data Governance	Centralized Repository for Data
126	MGRA	2	MGRA Data Request No. 2	22	MGRA Data Request No. 2_22	Provide the contents of TABLE PG&E 6.6-1 LIST OF FREQUENTLY DE-ENERGIZED CIRCUITS in Excel format.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	8	PSPS	Additional Data
127	MGRA	2	MGRA Data Request No. 2	23 Followup, not Supp.	MGRA Data Request No. 2_23 Followup, not Supp.	Please provide the 2022 reportable ignitions report, due to the CPUC on April 1, 2022. Due date for this data request is April 1, 2022.	Joseph Mitchell on behalf of MGRA	3/23/2022	4/1/2022	4/1/2022	1	N/A	Miscellaneous	Ignition Trends
127	MGRA	2	MGRA Data Request No. 2	23	MGRA Data Request No. 2_23	Please provide the 2022 reportable ignitions report, due to the CPUC on April 1, 2022. Due date for this data request is April 1, 2022.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	N/A	Miscellaneous	Ignition Trends
128	MGRA	2	MGRA Data Request No. 2	24	MGRA Data Request No. 2_24	On p. 7.1.E-Ach1-21, the RSE for REFLC is given as 40. Please explain the factors that go into reaching this low estimate.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	N/A	Miscellaneous	REFCL
129	MGRA	2	MGRA Data Request No. 2	25	MGRA Data Request No. 2_25	In the data request response WMP-Discovery2022_DR_CalAdvocates_013-Q11Ach01.stx, please verify the following interpretation: For a REFLC deployment, PG&E projects a \$75M capex, plus \$141M operating cost through 2026, constituting 14% of its 25,000 miles, and that the protection is 58% effective.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	N/A	Miscellaneous	REFCL
130	MGRA	2	MGRA Data Request No. 2	26 (Incorrectly labeled as MGRA-2-17 on page 31) (see page 3)	MGRA Data Request No. 2_26 (Incorrectly labeled as MGRA-2-17 on page 31) (see page 3)	On p. 631 PG&E states that its Tree Assessment Tool (TAT) incorporates "local wind gust data," is the local wind gust data specific to fire weather conditions (such as a Diablo corridor) or does it include winter storm conditions?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Additional Efforts to Manage Community and Environmental Impacts
131	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	1	CalAdvocate s-PGE-2022WMP-18_1	PG&E's response to data request CalAdvocates-PGE-2022WMP-18, Question 111 referred to Exhibit PG&E-4 from PG&E's February 25, 2022 GRC Update. Page 9-20 of this exhibit states, "The updated EVM scope of work focuses on overhead clearing only; other activities previously included in the EVM scope of work are now addressed in Routine VM." Pages 9-30 and 9-31 state, "Ultimately, PG&E will conduct visual assessment of all sides of potential strike PG&E's response to data request CalAdvocates-PGE-2022WMP-18, Question 111 referred to Exhibit PG&E-4 from PG&E's February 25, 2022 GRC Update. Page 9-20 of this exhibit states, "The updated EVM scope of work focuses on overhead clearing only; other activities previously included in the EVM scope of work are now addressed in Routine VM." 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172	MGRA	4	MGRA Data Request No. 4	5	MGRA Data Request No. 4.5	PG&E states that: "The seasonal P(ignition) value are the result of marginalizing daily P(ignition/outage) values across days from historic fire seasons (i.e. based on daily weather and fuel conditions) to produce a seasonal P(ignition/outage) value estimate."	Joseph Mitchell on behalf of MGRA	4/1/2022	4/5/2022	4/5/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
173	MGRA	4	MGRA Data Request No. 4	6	MGRA Data Request No. 4.6	Is the seasonal P(ignition) multiplied by a seasonal estimate of consequence scores to obtain a seasonal risk score for each driver? Or is the daily P(ignition/outage) multiplied by the daily consequence score, and the risk score averaged over season? If neither of these mechanisms explain risk scoring provide additional detail.	Joseph Mitchell on behalf of MGRA	4/1/2022	4/5/2022	4/5/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
174	OES	Set 008	OES-PG&E-22-008	1	OES-PG&E-22-008.1	D01. In section 7.3.2.2.6, Distribution Arcing Fault Signature Library, PG&E described completing an R&D project at the end of 2021, and the AN&PC team performed a strategic assessment of the results. PG&E then determined that the outcome of the pilot was not sufficient to develop a comprehensive fault signature library applicable to the larger incident fault analytics tools that will be used to proactively detect and mitigate conditions that result in a wildfire. And that no future actions are planned at this time. Please provide the details from the assessment of the results from the R&D project and what the limitations were that led to the decision to no longer pursue the initiative.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	0	7.3.2.2.6	Situational Awareness and Forecasting	Distribution Arcing Fault Signature Library
175	OES	Set 008	OES-PG&E-22-008	2	OES-PG&E-22-008.2	D02. In WMP Update 2022, PG&E states that "some in-progress projects are forecasted in service towards the end of 2022" regarding transmission hardening projects. Provide the mileage of projects described to be forecasted. Explain why PG&E has decreased its transmission system hardening mileage from 104 in 2021 to 32 in 2022, regarding PG&E's asset inspections.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	0	7.3.3.17.2	Grid Design and System Hardening	System Hardening - Transmission
176	OES	Set 008	OES-PG&E-22-008	3	OES-PG&E-22-008.3	What percentage of inspections are completed by contractors vs. internally by PG&E employees? How does training for contractors performing inspections differ from internal PG&E personnel? Provide the first date for O&M of inspection personnel by contractor.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	1	7.3.4	Asset Management and Inspections	Additional Detail
177	OES	Set 008	OES-PG&E-22-008	4	OES-PG&E-22-008.4	Q04. Provide the geospatial files for the HFRAs modifications shown on pg. 77 of PG&E's 2022 WMP Update.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	1	4.2.1	Lessons Learned and Risk Trends	Service Territory Fire-Threat Evaluation and Ignition Risk Trends
178	OES	Set 008	OES-PG&E-22-008	5	OES-PG&E-22-008.5	D05. In WMP Update 2022, PG&E states that it "completed over 210 miles of distribution system hardening, with approximately 80% of these circuits falling within the highest risk miles defined as the top 20% of the risk byproduct curve, fire-rebuild miles, and PSPS mitigation miles." What is the percentage specifically that falls into each of the following respective categories?	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	0	7.3.3.17.1	Grid Design and System Hardening	System Hardening
179	OES	Set 008	OES-PG&E-22-008	6	OES-PG&E-22-008.6	Q07. In PG&E's 2022 WMP Update, in section 7.3.3.7, PG&E reports that it completed an audit of work tracking databases which identified ignitions which had not been reported, increasing PG&E's reportable ignition record by 23 percent. Regarding this audit, Energy Safety would like to know: What type of internal reports from the audit prepared? What responses to data request OES-PG&E-2022-WMP-17, question 5a, PG&E states that it re-evaluated its 2021 (Maturity Survey) response related to communications tools (Question F.V.I). PG&E also states, "Because of the communications challenges in certain parts of our service territory, the current and future state (initial) scores were reduced back to 0(i)." Provide the details of PG&E's 2021 WMP Update, including a proposed a fixed-to-allocate approximately 10 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply analysis. Provide the details of PG&E's 2022 WMP Update, PG&E that it hired 41 Linemen and 123 Apprentice Linemen, exceeding its target for staffing for support service restoration by 1 Lineman and 23 Apprentice Linemen.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	2	7.3.7.4	Data Governance	Documentation and disclosure of wildfire related data and algorithms
180	OES	Set 008	OES-PG&E-22-008	7	OES-PG&E-22-008.7	Q07. In response to data request OES-PG&E-2022-WMP-17, question 5a, PG&E states that it re-evaluated its 2021 (Maturity Survey) response related to communications tools (Question F.V.I). PG&E also states, "Because of the communications challenges in certain parts of our service territory, the current and future state (initial) scores were reduced back to 0(i)." Provide the details of PG&E's 2021 WMP Update, including a proposed a fixed-to-allocate approximately 10 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply analysis. Provide the details of PG&E's 2022 WMP Update, PG&E that it hired 41 Linemen and 123 Apprentice Linemen, exceeding its target for staffing for support service restoration by 1 Lineman and 23 Apprentice Linemen.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	0	N/A	Miscellaneous	Maturity Survey
181	OES	Set 008	OES-PG&E-22-008	8	OES-PG&E-22-008.8	Q08. Provide the details of PG&E's 2021 WMP Update, including a proposed a fixed-to-allocate approximately 10 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply analysis. Provide the details of PG&E's 2022 WMP Update, PG&E that it hired 41 Linemen and 123 Apprentice Linemen, exceeding its target for staffing for support service restoration by 1 Lineman and 23 Apprentice Linemen.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	0	7.3.9.1	Emergency Planning and Preparedness	Adequate and Trained Personnel for Service Restoration
182	CalPA	Set WMP-20	CalAdvocates-PGE-2022WMP-20	1	CalAdvocate s-PGE-2022WMP-20_1	In response to data request CalAdvocates-PGE-2022WMP-17, question 7, PG&E said, "For 2021, approximately 96% of covered conductor projects included pole replacements." Among 96% of covered conductor projects in 2021 that did involve pole replacements, what percentage of poles were replaced, on average?	Holly Wherman Carolyn Chen Layla Labagh	4/5/2022	4/8/2022	4/11/2022	0	7.3.3.6	Grid Design and System Hardening	UBRIDGES/PGE Replacement and Reinforcement, Including with Composite Poles
183	CalPA	Set WMP-20	CalAdvocates-PGE-2022WMP-20	2	CalAdvocate s-PGE-2022WMP-20_2	On average, how many poles per circuit-mile exist on bare-wire distribution circuits in HFTD? On average, how many poles per circuit-mile exist on covered conductor distribution circuits in HFTD?	Holly Wherman Carolyn Chen Layla Labagh	4/5/2022	4/8/2022	4/11/2022	0	7.3.3.6	Grid Design and System Hardening	Distribution Pole Replacement and Reinforcement, Including with Composite Poles
184	OES	Set 009	OES-PG&E-22-009	1	OES-PG&E-22-009.1	D01. Based on analysis of information reported in the WMP, PG&E reports a \$530 million increase in vegetation management category initiatives over the amount projected for 2022 in the 2021 WMP Update. What accounts for the \$530 million increase in vegetation management category initiatives?	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Program Cost Projection
185	OES	Set 009	OES-PG&E-22-009	2	OES-PG&E-22-009.2	D02. Based on analysis of information reported in the WMP, PG&E reports an increase of \$188 million in Grid Design and System Hardening category initiatives over the amount projected for 2022 in the 2021 WMP Update. What accounts for the \$188 million increase in Grid Design and System Hardening category initiatives?	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	1	7.3.3	Grid Design and System Hardening	Program Cost Projection
186	OES	Set 009	OES-PG&E-22-009	3	OES-PG&E-22-009.3	D03. Table 12 shows zero spending for the undergrounding and rerouting initiative 7.3.3.16. Provide expenditures for undergrounding initiatives for 2022.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0	7.3.3.16	Grid Design and System Hardening	Undergrounding
187	OES	Set 009	OES-PG&E-22-009	4	OES-PG&E-22-009.4	Q05. Table 12 shows zero spending for the undergrounding and rerouting initiative 7.3.3.3 Covered conductor installation (Row 38). Provide expenditures for undergrounding initiatives for 2022.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0	7.3.3.3	Grid Design and System Hardening	Covered Conductor Installation
188	OES	Set 009	OES-PG&E-22-009	5	OES-PG&E-22-009.5	Q05. Based on analysis of information reported in the WMP, spending in the data governance initiative category decreased by \$53 million compared to the amount projected from the 2021 WMP Update. What accounts for the \$53 million decrease in data governance initiative spending?	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0	7.3.7	Data Governance	Program Cost Projection
189	OES	Set 009	OES-PG&E-22-009	6	OES-PG&E-22-009.6	Q06. Provide the following information regarding PSPS discussion sectionalizing devices: a) The average number of sectionalizing devices per circuit mile. b) PG&E's goal for number of sectionalizing devices per circuit mile. c) The average number of customers per sectionalizing device.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0	7.3.3.8.1	Grid Design and System Hardening	Distribution Sectionalizing Devices
190	OES	Set 009	OES-PG&E-22-009	7	OES-PG&E-22-009.7	Q07. In PG&E's 2022 WMP Update, in section 7.3.3.7, PG&E reports that it completed an audit of work tracking databases which identified ignitions which had not been reported. Energy Safety asked several questions pertaining to this audit in data request OES 008 Question #6, including the following (item b): "PG&E's WMP update states that the audit led to "several PG&E, provide the name and title of the responding individuals (i.e., the person responsible for the content of your answer) for each piece of information requested. If the responding individual is not your employee, please provide their name, title, and employer, as well as the name and title of your employee who is directly responsible for the work of the responding individual."	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	2	7.3.7.4	Data Governance	Documentation and disclosure of wildfire related data and algorithms
191	Will Abrams	Set 01	WillAbrams-Set 01	1	WillAbrams-Set 01_1	Q1. How has PG&E mitigated this to ensure that isolators are secured throughout their infrastructure and not swinging and causing sparks and catastrophic wildfires? (b) Has PG&E made efforts to mitigate the swinging of vertical insulator strings now that this has been identified as a cause of catastrophic wildfire? (c) What has PG&E changed in terms of their inspections and other mitigation activities to ensure this type of wildfire isolation never happens again?	Will Abrams	4/11/2022	4/14/2022	4/14/2022	1	4.6	Miscellaneous	5.4B Corrective Actions
192	Will Abrams	Set 02	WillAbrams-Set 02	1	WillAbrams-Set 02_1	Q2. How has PG&E mitigated these microclimate/wind effects by placing wind sensors at different elevations to pick up on these variations that contribute to Kincaid Fire ignitions? Are wind sensors now placed closer to these towers to pick up these types of variations?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.2.13	Situational Awareness and Forecasting	Crossarm Maintenance, Repair, and Replacement
193	Will Abrams	Set 02	WillAbrams-Set 02	2	WillAbrams-Set 02_2	Q3. How has PG&E mitigated these microclimate/wind effects by placing wind sensors at different elevations to pick up on these variations that contribute to Kincaid Fire ignitions? Are wind sensors now placed closer to these towers to pick up these types of variations?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.2.13	Situational Awareness and Forecasting	Weather Stations
194	Will Abrams	Set 02	WillAbrams-Set 02	3	WillAbrams-Set 02_3	Q4. Has PG&E identified how they have mitigated these issues associated with line terminations? How does PG&E now ensure line terminations are secured and not causing similar fires?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	1	7.3.3.12.3	Grid Design and System Hardening	Maintenance, Transmission
195	Will Abrams	Set 02	WillAbrams-Set 02	4	WillAbrams-Set 02_4	Q5. What mitigation has PG&E done to ensure old "spaghetti" wires like those indicated are not left dangling and causing fire risk across their infrastructure?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.3	Asset Management and Inspections	Improvement of Inspections
196	Will Abrams	Set 02	WillAbrams-Set 02	5	WillAbrams-Set 02_5	Q6. What operational practices and QA has PG&E incorporated into their risk mitigation to ensure old wires are not left abandoned on the ground around infrastructure?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.3	Asset Management and Inspections	Improvement of Inspections
197	Will Abrams	Set 02	WillAbrams-Set 02	6	WillAbrams-Set 02_6	Q7. How has PG&E modified their vegetation management practices to accommodate slope as a factor that could lead to fire spread from their infrastructure? If a pole, tower or line segment is situated on a similar "upslope" how is PG&E mitigating the increased fire risk?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.5.5	Vegetation Management (VM) and Inspections	Fuel Management and Management of "Slash" From Vegetation Management Activities
198	Will Abrams	Set 02	WillAbrams-Set 02	7	WillAbrams-Set 02_7	Q8. Given these findings and the increased fire risk on "south-facing slopes", has PG&E modified their vegetation management practices to ensure this type of topography is treated differently or more regularly given the lower moisture content?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.2.1.2	Situational Awareness and Forecasting	Fuel Moisture Sampling and Modeling (could also go to VM?)
199	Will Abrams	Set 02	WillAbrams-Set 02	8	WillAbrams-Set 02_8	Q9. It is clear that the rust and neglect of the line caused a "shower of sparks." What has PG&E done to mitigate rust and corrosion on infrastructure that causes this shower effect with multiple ignition sources?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.3	Asset Management and Inspections	Improvement of Inspections
200	Will Abrams	Set 02	WillAbrams-Set 02	9	WillAbrams-Set 02_9	Q10. Given this evidence that ember cast from transmission towers are "going to drift", what has PG&E done to alter their vegetation management practices around transmission towers? Where is this within their WMP?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.5.5	Vegetation Management (VM) and Inspections	Fuel Management and Management of All Wood and "Slash" From Vegetation Management Activities
201	Will Abrams	Set 02	WillAbrams-Set 02	10	WillAbrams-Set 02_10	Q11. What additional risk mitigation practices has PG&E implemented to ensure that jumpers are secured and not left "dangling" and susceptible to wind? Are rigid jumpers now more often used? What added inspection criteria have been added so this never leads to another catastrophic fire again?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.5	Grid Design and System Hardening	Crossarm Maintenance, Repair, and Replacement
202	Will Abrams	Set 02	WillAbrams-Set 02	11	WillAbrams-Set 02_11	Q12. How has PG&E mitigated these wildfire risks to ensure cooling towers are properly decommissioned or moth balled in response to these failures?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
203	Will Abrams	Set 02	WillAbrams-Set 02	12	WillAbrams-Set 02_12	Q13. Given this "primary concern," what added risk mitigation practices has PG&E implemented to address power plant vegetation management and metal recycling procedures?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.5.5	Vegetation Management (VM) and Inspections	Fuel Management and Management of All Wood and "Slash" From Vegetation Management Activities
204	Will Abrams	Set 02	WillAbrams-Set 02	13	WillAbrams-Set 02_13	Q14. What risk mitigation has PG&E done to ensure decommissioned or moth balled lines are not energized and connected to power plants? How has inspection practices changed to ensure these failures are not repeated?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
205	Will Abrams	Set 02	WillAbrams-Set 02	14	WillAbrams-Set 02_14	Q15. Given that this "low cycle fatigue" was identified as a primary cause of the Kincaid Fire, has PG&E reflected and corrected that issue within their WMP? Is added testing performed and/or different quality assurance checks to mitigate these risks?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	N/A	N/A	N/A
206	Will Abrams	Set 02	WillAbrams-Set 02	15	WillAbrams-Set 02_15	Q16. Given these failures to deal with abandoned infrastructure, how has PG&E identified the added mitigation activities since the Kincaid Fire? How does PG&E now treat "abandoned" infrastructure differently within their WMP?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.17.2	Grid Design and System Hardening	System Hardening - Transmission
207	Will Abrams	Set 02	WillAbrams-Set 02	16	WillAbrams-Set 02_16	Q17. What has PG&E done to ensure security fencing around their infrastructure is inspected and maintained given these findings? How does PG&E mitigate the security dangers of poorly maintained fencing?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.3	Asset Management and Inspections	Improvement of Inspections
208	Will Abrams	Set 02	WillAbrams-Set 02	17	WillAbrams-Set 02_17	Q18. What has PG&E done to mitigate the risks of misconfigured jumpers? Does PG&E now out these within the manufacturing facility to ensure proper length and configuration?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.5	Grid Design and System Hardening	Crossarm Maintenance, Repair, and Replacement
209	Will Abrams	Set 02	WillAbrams-Set 02	18	WillAbrams-Set 02_18	Q19. What has PG&E done to mitigate these risks and ensure that wires are secured and inspected within the sites and do not come loose to cause future catastrophic wildfires?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.1.2	Asset Management and Inspections	Patrol inspections of transmission electric lines and equipment
210	Will Abrams	Set 02	WillAbrams-Set 02	19	WillAbrams-Set 02_19	Q20. Given that the Saw Mill Fire pointed to the same or very similar infrastructure failures and mismanagement patterns as the Kincaid Fire, has PG&E finally included mitigation activities for these issues within their WMP?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.17.2	Grid Design and System Hardening	System Hardening - Transmission

211	Will Abrams	Set 02	WillAbrams-Set 02	20	WillAbrams-Set 02_20	Q. Given that wind readings were different on the surface vs. up on poles and towers and these differences contributed to the miscalculations and causes of both the Sawmill and Kincaid Fires, has PG&E accounted for different wind sensor placement of wind (ground-level vs. high up on tower) within their WMP?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.2.1.3	Situational Awareness and Forecasting	Weather Stations
212	Will Abrams	Set 02	WillAbrams-Set 02	21	WillAbrams-Set 02_21	Q. Given all these similar causes (loose wires, low-cycle fatigue, wind conditions, etc.) between the Sawmill Fire and the Kincaid Fire why did PG&E still not mitigate these causes and include those mitigation tactics within their WMP? Why did Bill Johnson, CEO dismissively state that "sometimes things just break" in reference to Kincaid Fire given this pattern and the clear failure of PG&E policies and practices?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.17.2	Grid Design and System Hardening	System Hardening - Transmission
213	Will Abrams	Set 02	WillAbrams-Set 02	22	WillAbrams-Set 02_22	Q. When outside oversight agencies provide direction like "make sure those wires are secured" how does PG&E make sure those instructions are documented and addressed? Where are these issues addressed in the PG&E WMP given that staff repeatedly did not heed these instructions?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.12	Asset Management and Inspections	Paired Inspections of transmission electric lines and equipment
214	Will Abrams	Set 02	WillAbrams-Set 02	23	WillAbrams-Set 02_23	Q. How has PG&E modified their inspection practices and noted those changes within their WMP given that these inspections did not successfully catch the many failures in configuration and maintenance practices that caused the Kincaid Fire?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.10	Asset Management and Inspections	Other discretionary inspection of transmission electric lines and equipment, beyond inspections mandated by rules and regulations
215	Will Abrams	Set 02	WillAbrams-Set 02	24	WillAbrams-Set 02_24	Q. How has PG&E improved their policies and wildfire mitigation practices to more closely work with partners like CalFire to ensure access and maintenance issues do not impact safe operations of PG&E equipment?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
216	Will Abrams	Set 02	WillAbrams-Set 02	25	WillAbrams-Set 02_25	Q. Given the ambiguity of "NIA" meaning "not present" has PG&E revised their inspection forms to have less ambiguous and more accurate infrastructure evaluation and risk scoring? Are any changes reflected within their WMP?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.3	Asset Management and Inspections	Improvement of Inspections
217	Will Abrams	Set 02	WillAbrams-Set 02	26	WillAbrams-Set 02_26	Q. How has PG&E mitigated these risks to ensure "spewing steam" from cooling towers doesn't cause arcing as was identified as a "constant source of entertainment"? Where in the PG&E WMP does it reference changed mitigation practices due to this new information?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
218	Will Abrams	Set 02	WillAbrams-Set 02	27	WillAbrams-Set 02_27	Q. Is this practice of "covering the insulators with silicon grease" the approved mitigation tactic of PG&E? If so, how is that reflected in their WMP and if not how has this poor maintenance practice been corrected?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
219	Will Abrams	Set 02	WillAbrams-Set 02	28	WillAbrams-Set 02_28	Q. Is this practice of walling off there is a "solid line of arcing" a prudent wildfire mitigation practice during the transmission risks and wildfire risks? How is this reflected in the PG&E WMP? If not, how has PG&E corrected this flawed practice?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	1	7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
220	Will Abrams	Set 02	WillAbrams-Set 02	29	WillAbrams-Set 02_29	Q. Is PG&E comfortable with this haphazard alerting practice or does a more standardized arcing alert need to be engrained within their WMP and associated operators?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
221	Will Abrams	Set 02	WillAbrams-Set 02	30	WillAbrams-Set 02_30	Q. Is PG&E still injecting iron into cooling systems? If so, how is PG&E mitigating these "higher level" transmission risks and wildfire risks? How is this reflected within their WMP given that it is a cause or a contributor of catastrophic wildfires?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
222	Will Abrams	Set 02	WillAbrams-Set 02	31	WillAbrams-Set 02_31	Q. Given that extreme corrosiveness is associated with towers close to power plants, how has PG&E mitigated risks specific to these towers? What WMP standards have been created to mitigate these risks?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3 (and possible 1.1 Verification; Group B section 1)	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
223	Will Abrams	Set 02	WillAbrams-Set 02	32	WillAbrams-Set 02_32	Q. Are these "Scotch-Brite and "heliwash" practices still employed for cleaning insulators? Has this been standardized or do crew supervisors still have discretion when to wash overhead? What WMP practices have standardized these practices given the known wildfire risks?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	2	7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
224	Will Abrams	Set 02	WillAbrams-Set 02	33	WillAbrams-Set 02_33	Q. Has PG&E standardized around polymer insulators as part of their wildfire mitigation activities? What percentage of PG&E insulators are still the old ceramic type? Why is this not mentioned within the WMP when it was a leading cause or contributing factor of catastrophic wildfires?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
225	Will Abrams	Set 02	WillAbrams-Set 02	34	WillAbrams-Set 02_34	Q. Has PG&E standardized to 2 year lifecycle for changing insulators? Has PG&E set standards in their WMP for field inspections to determine replacement cycles for the risk of wildlife ignitions?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.3	Asset Management and Inspections	Improvement of Inspections
226	Will Abrams	Set 02	WillAbrams-Set 02	35	WillAbrams-Set 02_35	Q. Do line crew supervisors still have the authority to "mothball" infrastructure with direction from outside sources? How has PG&E implemented corrective actions given the wildfire risks associated with how infrastructure is decommissioned or mothballed?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
227	Will Abrams	Set 02	WillAbrams-Set 02	36	WillAbrams-Set 02_36	Q. Why isn't decommissioning infrastructure requiring an engineering consult? Given the evident wildfire risk has PG&E required engineering consults and direction on a going forward basis as part of their WMP?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	Grid Design and System Hardening	Maintenance, Transmission
228	Will Abrams	Set 02	WillAbrams-Set 02	37	WillAbrams-Set 02_37	Q. Given that the motion of the insulator string caused or contributed to the Kincaid Fire has PG&E now measured these movements and identified wildfire mitigation practices and quality controls to remedy?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	Grid Design and System Hardening	Maintenance, Transmission
229	Will Abrams	Set 02	WillAbrams-Set 02	38	WillAbrams-Set 02_38	Q. What engineering design now requires for these types of mothballing practices? Why is this not reflected within the WMP given the wildfire risk?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	Grid Design and System Hardening	Maintenance, Transmission
230	Will Abrams	Set 02	WillAbrams-Set 02	39	WillAbrams-Set 02_39	Q. Given the subsequent catastrophic fire, does PG&E now require an "engineering reference" for this type of line decommissioning? Why are these standards not set in the WMP?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	Grid Design and System Hardening	Maintenance, Transmission
231	OES	Set 10	OES-PG&E-22-010	1	OES-PG&E-22-010_1	In the Section 8.2.3.7 PG&E describes its use of the risk vs. benefit tool in four events in 2021 to support the evaluation of the potential public safety risk due to a PPS event against the forecasted potential wildfire risk. a. To date, did PG&E use the risk-benefit tool for determining to initiate any events that did not result in a PPS event?	Kevin Miller	4/15/2022	4/20/2022	4/20/2022	0	8.2.3.7	PPSP	PPSP Risk-Benefit Tool
232	OES	Set 10	OES-PG&E-22-010	2	OES-PG&E-22-010_2	Regarding PG&E's attachment CONFIDENTIAL_PGE_2022_WMP_Section_46_Remedies_2114_Alch01_CONF to the 2022 WMP Update: a. Concerning the project "Community Wildfire Safety Program for projects aimed for 2022-2023": i. Describe this project type, including where more information about this project type is described within the 2022 WMP (or previous WMPs, if applicable). ii. How were the projects that fall under this project type selected and prioritized? iii. How does this project type overlap and/or align with risk model output? iv. Provide a percentage of projects under CWSP that align with the top 20% risk score output from the 2021 Wildfire Distribution Risk Model. v. How does this project type differ from the following: Top 20% MAVF CPZ, Top 250 miles, and Top 50 Miles? Currently, this data is showing around 0.82 miles planned for undergrounding in 2024. b. Is this still accurate? ii. If not, provide the updated mileage. iii. If so, when does PG&E intend to select locations for additional undergrounding miles? iv. If locations are not currently selected, how is PG&E planning on expediting undergrounding for completion in 2024? v. Are the locations for grid hardening, as a whole, selected for 2024 (i.e., know the hardening location, but don't know the hardening initiative that will be used, LIG vs. OH1)? vi. If so, is it possible to provide an amended response including these projects?	Kevin Miller	4/15/2022	4/20/2022	4/20/2022	0	4.6	Grid Design and System Hardening	System Hardening
233	OES	Set 10	OES-PG&E-22-010	3	OES-PG&E-22-010_3	On page 870, PG&E indicates potential reductions in PPS event size in 2022 are expected to come from planned mitigations and "PG&E is currently still in the process of finalizing locations for certain 2022 mitigations but anticipates the following mitigations to come online in 2022. These include: - Distribution Sectionalizing Devices - Transmission Sectionalizing Devices - Temporary Distribution Microgrids - Distribution System Hardening - Fixed Power Solutions (FPS) In a footnote on the same page, PG&E indicates "Some mitigation programs require more than a year of lead time to execute. As a result, some of the mitigations expected to be available in 2022 were identified using earlier data, including the 2020 lookback." This would seem to indicate at least some selections would have had to have been made previously. a. When does PG&E plan to have these remaining locations finalized? b. Please provide currently available locations for those which have been finalized as a GIS file (.gdb)? c. How will it determine locations are in the highest risk areas for PPS? d. For each of the above-listed mitigations, please provide a percentage of projects that align with top risk, defined as: i. The top 20% risk score output from the 2021 Wildfire Distribution Risk Model ii. PPS Impacted Locations iii. Locations where risk has materialized iv. PPS Identified Locations	Kevin Miller	4/15/2022	4/20/2022	4/20/2022	1	8.1.4	PPSP	Future Plans
234	OES	Set 11	OES-PG&E-22-011	1	OES-PG&E-22-011_1	In response to OES-PG&E-22-007 Question 16, PG&E states that it "utilized the decision tree presented in 2021 for the 2022 scope of work." a. Is this in reference to the decision-tree provided in response to PG&E-Remedies-21-14 as part of the 2021 WMP Progress Report? b. How and where does PG&E's risk modeling output inform decision-making in relation to the decision-tree discussed in part (a)? c. When was this decision-making process first implemented? d. How does this align and/or differ with the system hardening decision-making methodology presented on May 21, 2021, to the Wildfire Safety Division (then PG&E's System Hardening Program)? e. What changes to PG&E's decision-making have been made since the May 21, 2021, presentation to the Wildfire Safety Division?	Kevin Miller	4/22/2022	4/27/2022	4/27/2022	1	7.3.3	Grid Design and System Hardening	Additional Detail
235	OES	Set 11	OES-PG&E-22-011	2	OES-PG&E-22-011_2	In table 7.3.3.17(A) of PG&E's 2022 WMP Update, PG&E shows a decrease in targets for implementing sectionalizing devices both at the distribution and transmission levels. For distribution, PG&E's targets decreased from 250 in 2021 to 100 in 2022. For transmission, PG&E's targets decreased from 25 in 2021 to 15 in 2022. Regarding section 7.3.2.1.3 weather stations:	Kevin Miller	4/22/2022	4/27/2022	4/27/2022	0	7.3.3.8.1 7.3.3.8.2	Grid Design and System Hardening	Distribution & Transmission Line Sectionalizing
236	OES	Set 11	OES-PG&E-22-011	3	OES-PG&E-22-011_3	a. Please explain how PG&E has determined 1300 weather stations as its long-term goal for weather stations density.	Kevin Miller	4/22/2022	4/29/2022	4/29/2022	1	7.3.2.1.3	Situational Awareness and Forecasting	Weather monitoring
237	OES	Set 12	OES-PG&E-22-012	1	OES-PG&E-22-012_1	a. PG&E has modified its pole clearing program target to inspect and clear (where clearance is needed) all poles identified in PG&E's VM Database, as of October 1, 2021, in HTFD areas or HFRA (not required by PRC 4202). How many poles meet these criteria?	Kevin Miller	4/29/2022	5/4/2022	5/4/2022	0	7.3.5.2	Utilities Inspections and Management Practices for Vegetation Clearance	Pole Clearing
238	OES	Set 12	OES-PG&E-22-012	2	OES-PG&E-22-012_2	Regarding PG&E's implementation of EPSS? a. How many customer complaints has PG&E received regarding EPSS since implementation in June 2021? b. Provide a breakdown of number by month. c. What lessons learned has PG&E implemented as a result of EPSS-related customer complaints? Regarding table 7.2 from PG&E's 2022 WMP Update:	Kevin Miller	4/29/2022	5/4/2022	5/4/2022	0	7.3.6.8	Grid Operations and Protocols	EPSS
239	OES	Set 12	OES-PG&E-22-012	3	OES-PG&E-22-012_3	a. Why does PG&E project an overall increase in ignitions from 2022 to 2023? b. Why does PG&E project a slight increase in overall ignitions for Tier 2 from 2022 to 2023? c. Why does PG&E project a sustained (no change) number of ignitions for Tier 3 from 2022 to 2023?	Kevin Miller	4/29/2022	5/4/2022	5/4/2022	0	6.7	Performance Metrics and Underlying Data	Recent and Projected Drivers of Ignition Probability
240	OES	Set 12	OES-PG&E-22-012	4	OES-PG&E-22-012_4	On page 89, PG&E's 2022 WMP Update states "PG&E will use the Vegetation Management programs which will use the One VM Tool. Energy Safety acknowledges it defined "Future improvements to vegetation management" as "the next 5 years," i.e., 2023-2028 2022 Guideline, Attachment 2, page 74). Energy Safety needs to understand whether "Short-term improvements (2023-2028)" is a standard heading (as it is in the 2021 WMP) or a heading for "Future improvements (2023-2028)". PG&E's 2022 WMP Update states "On page 815 under "Preparation for Re-Energization" PG&E lists the reenergization team's activities relating up to re-energization, including "Determine if any Customer Owned Lines identified as being at risk are within the event footprint (both transmission and distribution) as detailed in Section 7.3.6.4. These are then isolated either during segmenting activities or during patrols, but in either case, prior to re-energization."	Kevin Miller	4/29/2022	5/4/2022	5/4/2022	0	7.3.5.19	Vegetation Management (VM) and Inspections	Vegetation Management Enterprise System
241	OES	Set 12	OES-PG&E-22-012	5	OES-PG&E-22-012_5	Regarding the number of circuits from 988 to 1,016 and introduced language to indicate that May 1st and August 1st target dates measure the number of line devices loaded with engineered settings and deleted reference to circuits.	Kevin Miller	4/29/2022	5/4/2022	5/4/2022	0	8.2.4	Protocols on PPS	Re-Energization Strategy
242	OES	Set 13	OES-PG&E-22-013	1	OES-PG&E-22-013_1	The Wildfire Distribution Risk Model (WRM) is undergoing third-party review to check for validation. PG&E previously conveyed that the WRM V3 Validation Report would be published April 29, 2022. Energy Safety requests a copy of this report as soon as it is available. a. In the interim, please provide the planned publication date.	Kevin Miller	5/6/2022	5/11/2022	5/11/2022	0	7.3.6.8	Grid Operations and Protocols	Protective Equipment and Device Settings
243	OES	Set 14	OES-PG&E-22-014	1	OES-PG&E-22-014_1	The Wildfire Distribution Risk Model (WRM) is undergoing third-party review to check for validation. PG&E previously conveyed that the WRM V3 Validation Report would be published April 29, 2022. Energy Safety requests a copy of this report as soon as it is available. a. In the interim, please provide the planned publication date.	Kevin Miller	5/13/2022	5/18/2022	5/18/2022	0	4.5	Model and Metric Calculation Methodologies	Wildfire Distribution Risk Model

244	OES	Set 14	OES-PG&E-22-014	2	OES-PG&E-22-014_2	Energy Safety would like to know whether there were changes the personnel costs related to WMP between 2021 and 2022. Overall: a. Please provide this cost differential information. b. How many positions were eliminated? c. Does PG&E have a plan and resources to hire 100 employees for North Counties and another 100 for Sonoma County for WMP implementation? d. To which departments or programs would these positions be allocated? e. How many Public Safety Specialist (PSS) positions were filled for the following years and the counties they were assigned to: i. 2020 ii. 2021 iii. 2022 f. In the discussion of its EPSS initiative (7.3.3.8 Protective Equipment and Device Settings (pp. 7307-739)) SCADA is not mentioned. g. Please discuss how SCADA is being implemented with EPSS enablement. h. How many EPSS devices are currently SCADA-enabled? i. How many SCADA assets have been replaced since the 2021 WMP for SCADA enablement additional EPSS. Regarding PG&E's work orders: a. How many work orders within the HFTD in the past three years have decreased in priority levels? What percentage of total work orders within the HFTD in the past three years does this account for? b. How many work orders within the HFTD in the past three years have increased in priority levels? What percentage of total work orders within the HFTD in the past three years does this account for? c. Provide a spreadsheet of all work orders discussed in parts a and b above, including columns for the following: i. Work order number	Kevin Miller	5/13/2022	5/18/2022	5/18/2022	0	3.1	Actuals and Planned Spending for Migration Plan	Summary of WMP initiative expenditures		
245	OES	Set 14	OES-PG&E-22-014	3	OES-PG&E-22-014_3		Kevin Miller	5/13/2022	5/18/2022	5/18/2022	0	N/A	N/A	N/A		
246	OES	Set 14	OES-PG&E-22-014	4	OES-PG&E-22-014_4		Kevin Miller	5/13/2022	5/18/2022	5/18/2022	4	7.3.9	Emergency Planning and Preparedness	Additional Detail		
247	OES	Set 14	OES-PG&E-22-014	5	OES-PG&E-22-014_5		Kevin Miller	5/13/2022	5/18/2022	5/18/2022	1	7.3.6.8	Grid Operations and Protocols	Protective equipment and device settings		
248	OES	Set 14	OES-PG&E-22-014	6	OES-PG&E-22-014_6		Kevin Miller	5/13/2022	5/18/2022	5/18/2022	1	7.3.4	Asset Management and Inspections	Additional Detail		
249	CalPA	Set WMP-21	CalAdvocates-PGE-2022WMP-21	1	CalAdvocate s-PGE-2022WMP-21_1	With regard to PG&E's undergrounding efforts in the HFTD for wildfire mitigation purposes: a) Describe PG&E's current policy regarding undergrounding of existing service connections when the main lines are moved underground. b) Describe PG&E's current policy regarding the installation of new service connections underground when main lines are installed underground (e.g. in a fire rebuild project or in new construction). c) Please provide a list of situations in which PG&E would underground the main line, but install or leave the service connection aboveground. d) For each situation in part (c), please explain the factors that would contribute to PG&E's decision not to underground the service connections.	Holly Werhman Carolyn Chen	5/31/2022	6/17/2022	6/15/2022	0	7.3.3.16	Undergrounding of Electric Lines and/or Equipment	Additional Detail		
250	CalPA	Set WMP-21	CalAdvocates-PGE-2022WMP-21	2	CalAdvocate s-PGE-2022WMP-21_2	What is the average actual cost of installing service connections underground? Please provide this as a cost per foot (or a range of costs per foot, if variable) and state the time period from which this data is drawn.	Holly Werhman Carolyn Chen	5/31/2022	6/14/2022	6/14/2022	0	7.3.3.16	Undergrounding of Electric Lines and/or Equipment	Additional Detail		
251	CalPA	Set WMP-21	CalAdvocates-PGE-2022WMP-21	3	CalAdvocate s-PGE-2022WMP-21_3	Section 7.3.3.16 of PG&E's 2022 WMP discusses PG&E's plan to underground approximately 10,000 distribution circuit miles in HFTDs. a) When PG&E undergrounds a segment of distribution circuit as part of its 10,000 mile undergrounding plan, does it plan to also underground a segment of circuit's associated service connections? Does PG&E include the length of those service connections in the 10,000 circuit mile forecast? b) Does the forecasted cost of undergrounding the 10,000 circuit miles discussed in your 2022 WMP include costs of undergrounding associated service connections? c) If the answer to part (b) is yes, please provide a cost estimate for the undergrounding of all service connections included as part of the 10,000 circuit mile plan.	Holly Werhman Carolyn Chen	5/31/2022	6/17/2022	6/15/2022	0	7.3.3.16	Undergrounding of Electric Lines and/or Equipment	Additional Detail		
252	CalPA	Set WMP-21	CalAdvocates-PGE-2022WMP-21	4	CalAdvocate s-PGE-2022WMP-21_4	Section 7.3.3.17 of PG&E's 2022 WMP discusses PG&E's Butte County Rebuild Program, which involves undergrounding the distribution within the town of Paradise and lower Magalia. a) Does PG&E install service connections underground as part of the Butte County Rebuild Program? b) If the answer to part (a) is yes, please provide the actual to-date costs of undergrounding service connections as part of the Butte County Rebuild Program. c) If the answer to part (a) is yes, please provide the actual to-date linear feet of service connections that have been undergrounded as part of the Butte County Rebuild Program. d) Please provide the approximate percentage of service connections that have been (to date) installed above ground or left above ground as part of the Butte County Rebuild Program. e) If the answer to part (a) is no, explain all factors that contributed to PG&E's decision not to underground service connections as part of the Butte County Rebuild Program.	Holly Werhman Carolyn Chen	5/31/2022	6/14/2022	6/14/2022	0	7.3.3.17.6	Butte County Rebuild Program	Additional Detail		
253	OES	Set 15	OES-PG&E-22-015	1	OES-PG&E-22-015_1	a) Please provide an Excel table with the following information in new columns added to the Excel table PG&E submitted in response to CalAdvocates-PGE-2022WMP-09' Questions 1, 2, and 3: i. Reason for reinspection (if applicable) ii. New due date post-reinspection (if applicable) iii. New prioritization of work order (if it changed) iv. Equipment type b) Also provide a process flow chart illustrating the inspection process or a description of the inspection process from identification of an issue through to resolving it, including the typical timescale. c) Include the length of time between identification to initiation of repair and what triggers initiation of the repair for each agency. d) Additionally, identify any interactions with external agencies, including for permitting, including the following for each agency: i. Any barriers to completing work orders due to permitting. ii. A list of all work orders for which repair has not been initiated due to permitting concerns. iii. A list of all work orders dated in the past year that have been marked as urgent for which a permit was required. (1) Provide the amount of time that elapsed from the identification of the issue to when it became urgent. (2) Note whether the repair was initiated prior to it being marked as urgent.	Kevin Miller	6/3/2022	6/15/2022	6/15/2022	6	7.3.4	Asset Management and Inspections	Additional Detail		
254	CalPA	Set WMP-22	CalAdvocates-PGE-2022WMP-22	1	CalAdvocate s-PGE-2022WMP-22_1	a) On December 9, 2021, was PG&E using the Hell-Saw for wildfire mitigation purposes? b) If the answer to part (a) is yes, please identify the WMP initiative that this activity was part of.	Holly Wehrman	6/7/2022	7/5/2022			7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment		
255	CalPA	Set WMP-22	CalAdvocates-PGE-2022WMP-22	2	CalAdvocate s-PGE-2022WMP-22_2	When did PG&E first become aware that the Hell-Saw had operated within Wunderlich County Park on December 9, 2021?	Holly Wehrman	6/7/2022	7/5/2022			7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment		
256	CalPA	Set WMP-22	CalAdvocates-PGE-2022WMP-22	3	CalAdvocate s-PGE-2022WMP-22_3	a) Which public agencies (e.g., CPUC, OES, Cal Fire, San Mateo County) did PG&E notify (prior to December 9, 2021) that it planned to operate a Hell-Saw in Wunderlich County Park? b) For each agency in response to part (a), list the date PG&E gave notice to that agency.	Holly Wehrman	6/7/2022	7/5/2022			7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment		
257	CalPA	Set WMP-22	CalAdvocates-PGE-2022WMP-22	4	CalAdvocate s-PGE-2022WMP-22_4	a) To which public agencies (e.g., CPUC, OES, Cal Fire, San Mateo County) did PG&E report that it had operated a Hell-Saw in Wunderlich County Park on December 9, 2021? b) For each agency in response to part (a), list the date PG&E made its report to that agency. c) Please provide copies of all reports to the agencies in response to part (a).	Holly Wehrman	6/7/2022	7/5/2022			7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment		
258	CalPA	Set WMP-22	CalAdvocates-PGE-2022WMP-22	5	CalAdvocate s-PGE-2022WMP-22_5	The article states that "PG&E said its Hell-Saw contractor 'mistakenly' strayed several hundred feet into parkland after doing permitted work on nearby private land." a) Who is the Hell-Saw contractor referenced above? b) Please list all Hell-Saw contractors PG&E currently employs. c) Please describe why the Hell-Saw pilot was not aware that the Hell-Saw had passed into county parkland until the Hell-Saw had traveled "several hundred feet into parkland." d) Please describe the specific sequence of events that led to the contractor "mistakenly" straying into Wunderlich County Park. e) Please describe any and all operational failures (including but not limited to violations of Company policies and standards) that PG&E has identified that led to the use of the Hell-Saw in Wunderlich County Park on December 9, 2021.	Holly Wehrman	6/7/2022	7/5/2022				7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment	
259	CalPA	Set WMP-22	CalAdvocates-PGE-2022WMP-22	6	CalAdvocate s-PGE-2022WMP-22_6	Please provide copies of the results of any internal audits or investigations that PG&E has performed in relation to the operation of the Hell-Saw in Wunderlich County Park on December 9, 2021.	Holly Wehrman	6/7/2022	7/5/2022			7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment		
260	CalPA	Set WMP-22	CalAdvocates-PGE-2022WMP-22	7	CalAdvocate s-PGE-2022WMP-22_7	a) Describe PG&E's current protocol for keeping members of the public out of an area where the Hell-Saw is operating. b) Describe all precautions that PG&E takes to protect public safety while the Hell-Saw is operating. c) Describe all precautions the Hell-Saw contractor takes to protect public safety while the Hell-Saw is operating. d) Has PG&E changed its procedures or protocols related to Hell-Saw operation since receiving the Cal Fire notice of violation described in the news story? e) If the answer to part (d) is yes, please list all changes made to the procedures or protocols related to Hell-Saw operation since receiving the Cal Fire notice of violation described in the news story. f) Please provide a copy of all PG&E procedures, job aids, or other guidance documentation related to operation of the Hell-Saw.	Holly Wehrman	6/7/2022	7/5/2022				7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment	
261	CalPA	Set WMP-22	CalAdvocates-PGE-2022WMP-22	8	CalAdvocate s-PGE-2022WMP-22_8	a) Does PG&E utilize the Hell-Saw in HFTD areas for the purposes of wildfire mitigation? b) If the answer to part (a) is yes, please list all initiatives from PG&E's 2022 WMP Update in which the Hell-Saw has been utilized to date. c) If the answer to part (a) is yes, please list all initiatives from PG&E's 2022 WMP Update in which it expects to utilize the Hell-Saw in the future. d) If the answer to part (a) is yes, why didn't PG&E mention the Hell-Saw in its 2022 WMP Update?	Holly Wehrman	6/7/2022	7/5/2022				7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment	
262	CalPA	Set WMP-22	CalAdvocates-PGE-2022WMP-22	9	CalAdvocate s-PGE-2022WMP-22_9	Pages 825-826 of PG&E's 2022 WMP Update discuss community outreach about wildfire mitigation activities, including helicopter operations: To set expectations with customers and with the goal of limiting work refusals or access issues, PG&E uses various communication methods, such as letters, postcards, text messages, e-mails, and automated calls through Interactive Voice Recordings. a) For normal Hell-Saw operations, which of these communication methods does PG&E use? b) For normal Hell-Saw operations, how does PG&E determine which customers should be notified? c) For the Hell-Saw operation on December 9, 2021, which of these communication methods did PG&E use? d) For the Hell-Saw operation on December 9, 2021, how did PG&E determine which customers should be notified?	Holly Wehrman	6/7/2022	7/5/2022					7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment
263	CalPA	Set WMP-22	CalAdvocates-PGE-2022WMP-22	10	CalAdvocate s-PGE-2022WMP-22_10	The news story states: "Sampson estimated that branches of up to eight inches in diameter fell as much as 150 feet to the ground in the park." a) In normal operation of the Hell-Saw, how does PG&E protect the public from heavy branches falling, as described above? b) In normal operation of the Hell-Saw, how does PG&E protect employees and contractors working with the Hell-Saw from heavy branches falling, as described above?	Holly Wehrman	6/7/2022	7/5/2022				7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment	

Pre-Discover	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	6 (c-d)	CalAdvocate s-PGE-2022WMP-04_5 (c-d)	Supplemental to Question 6 For any program for which you forecast operating expenditures in 2022 to be at least two times actual expenditure in 2021, please provide: 7 a) The name of the program as it is identified in your 2022 WMP Update b) The WMP initiative number in Table 12 of your 2022 WMP Update c) The name of the program as it is identified in your 2021 WMP Update d) The WMP initiative number in Table 12 of your 2021 WMP Update	Alan Wehrman	12/17/2021	3/11/2022	3/4/2022	1	N/A	Miscellaneous	Additional Detail
Pre-Discover y 21	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	6 (e)	CalAdvocate s-PGE-2022WMP-04_5 (e)	For any program for which you forecast operating expenditures in 2022 to be at least two times actual expenditure in 2021, please provide: 7 a) The name of the program as it is identified in your 2022 WMP Update b) The WMP initiative number in Table 12 of your 2022 WMP Update c) The name of the program as it is identified in your 2021 WMP Update d) The WMP initiative number in Table 12 of your 2021 WMP Update	Alan Wehrman	12/17/2021	3/14/2022 (noon)	3/14/2022	0	N/A	Miscellaneous	Additional Detail
Pre-Discover y 22	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	7	CalAdvocate s-PGE-2022WMP-04_7	Provide PG&E's workplan that describes where PG&E will undertake EVM projects in 2022. This workplan should be in an Excel format, with circuit-segments as rows. Please include the same information as in PG&E's Enhanced Oversight and Enforcement Process Corrective Action Plan 90 Day Report Pursuant to Resolution M-4852, November 4, 2021, Attachment E, columns 1-8. Please additionally include circuit-segment numbers that match those provided in response to Question 1 of Data Request CalAdvocates-PGE-2022WMP-01.	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	1	7.3.5.2	Vegetation Management (VM) and Inspections	Enhanced Vegetation Management
Pre-Discover y 23	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	8	CalAdvocate s-PGE-2022WMP-04_8	Provide PG&E's workplan that describes where and when you will perform system hardening on distribution circuits in 2022. For projects that you expect to partially complete in 2022 (i.e. projects that started before 2022 and are expected to continue in 2022, or projects that are expected to be completed after 2022), please include the project and report that you forecast will actually be performed in calendar year 2022. This workplan should be in an Excel format, with circuit-segments as rows. For each project, include the following information: a) a minimum of 3 circuit-segment IDs in order to correspond to those associated in	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	1	7.3.3.1.1	Grid Design and System Hardening	System Hardening - Distribution
Pre-Discover y 24	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	9	CalAdvocate s-PGE-2022WMP-04_9	Provide PG&E's workplan that describes where and when you will perform system hardening on transmission circuits in 2022. Include the same information detailed in the preceding question.	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	1	7.3.3.17.2	Grid Design and System Hardening	System Hardening - Transmission
Pre-Discover y 25	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	10	CalAdvocate s-PGE-2022WMP-04_10	Please provide disaggregated information related to system hardening in the tables below. Note: in PG&E's 2021 WMP Update, this information was aggregated into Section 7.3.3.17.1 "Updates to grid topology to minimize risk of ignition in HFTDs, System Hardening, Distributor" in Table 12. a) Please fill out the table below disaggregating the actual and projected spending amounts as shown. Add extra columns as needed below: Total Line Removal/Retirement of Overhead and Covered Conductor Other (please explain 2021 expenditures (actual) 2022 expenditures (forecast) b) Please fill in the table below regarding the actual or forecasted work on the article Humboldt County Issues Stop Work Order, PG&E Remedies Contractor on EVM in Soham After Complaints/Video by Residents, published in Redwood Blackbox on December 2, 2021 (the article 2) This article describes activities performed by a contractor allegedly performing EVM work for PG&E in Humboldt County. Question 1: The article alleges that a contractor, KDF, was performing EVM work for PG&E in Humboldt County, on Thomas Road in the Salmon Creek watershed, between the coordinates 39.201416, -120.451133. What were the activities performed by KDF on this site on the dates of 12/2/2021, 12/3/2021, 12/4/2021, 12/5/2021, 12/6/2021, 12/7/2021, 12/8/2021, 12/9/2021, 12/10/2021, 12/11/2021, 12/12/2021, 12/13/2021, 12/14/2021, 12/15/2021, 12/16/2021, 12/17/2021, 12/18/2021, 12/19/2021, 12/20/2021, 12/21/2021, 12/22/2021, 12/23/2021, 12/24/2021, 12/25/2021, 12/26/2021, 12/27/2021, 12/28/2021, 12/29/2021, 12/30/2021, 12/31/2021?	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	0	7.3.3.1.1	Grid Design and System Hardening	System Hardening - Distribution
Pre-Discover y 26	CalPA	Set WMP-05	CalAdvocates-PGE-2022WMP-05	1	CalAdvocate s-PGE-2022WMP-05_1	Question 1: PG&E's workplan that describes where and when you will perform system hardening on distribution circuits in 2022. For projects that you expect to partially complete in 2022 (i.e. projects that started before 2022 and are expected to continue in 2022, or projects that are expected to be completed after 2022), please include the project and report that you forecast will actually be performed in calendar year 2022. This workplan should be in an Excel format, with circuit-segments as rows. For each project, include the following information: a) a minimum of 3 circuit-segment IDs in order to correspond to those associated in	Alan Wehrman	12/23/2021	1/10/2022	1/10/2022	1	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discover y 27	CalPA	Set WMP-05	CalAdvocates-PGE-2022WMP-05	2	CalAdvocate s-PGE-2022WMP-05_2	Question 2 a) Is KDF still engaged with PG&E to perform EVM work? b) Is KDF currently engaged with PG&E as a contractor for any work other than EVM?	Alan Wehrman	12/23/2021	1/10/2022	1/10/2022	0	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discover y 28	CalPA	Set WMP-05	CalAdvocates-PGE-2022WMP-05	3	CalAdvocate s-PGE-2022WMP-05_3	Question 3 The article alleges that KDF did not have an encroachment permit to do road work on Thomas Road in the Salmon Creek watershed. a) Is it accurate that KDF did not have an encroachment permit to do work in the area described, as alleged in the article? b) If the answer to part (a) is no, please explain why KDF did not secure the proper permits prior to performing the work.	Alan Wehrman	12/23/2021	1/10/2022	1/10/2022	0	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discover y 29	CalPA	Set WMP-05	CalAdvocates-PGE-2022WMP-05	4	CalAdvocate s-PGE-2022WMP-05_4	Question 4 The article alleges that KDF had left logs and chips in the ditch, plugged culverts, and damaged the shoulders of the road. Are there allegations with respect to KDF's work in this area? If not, please describe the inaccuracies or omissions in the article.	Alan Wehrman	12/23/2021	1/10/2022	1/10/2022	0	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discover y 30	CalPA	Set WMP-05	CalAdvocates-PGE-2022WMP-05	5	CalAdvocate s-PGE-2022WMP-05_5	Question 5 The article states that a PG&E spokesperson confirmed that KDF "did not complete the work to PG&E's satisfaction." a) Is PG&E aware of other instances during 2021 in which KDF did not complete EVM work to PG&E's satisfaction? b) If the answer to part (a) is yes, please list at least instances, including: i) the location of the work, ii) the date(s) of the work, and iii) the reasons that the work was unsatisfactory.	Alan Wehrman	12/23/2021	1/10/2022	1/10/2022	0	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discover y 31	CalPA	Set WMP-05	CalAdvocates-PGE-2022WMP-05	6	CalAdvocate s-PGE-2022WMP-05_6	Question 6 Following the August CZU Lightning Complex Fire in the Santa Cruz Mountains in 2020, PG&E received several complaints from local governments regarding contractors failing to secure appropriate permits and causing erosion on narrow roads. a) Following these complaints, what specific actions did PG&E take to improve contractor performance? b) Following these complaints, what specific actions did PG&E take to reduce similar problems in the future?	Alan Wehrman	12/23/2021	1/24/2022	1/10/2022	0	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discover y 32	CalPA	Set WMP-05	CalAdvocates-PGE-2022WMP-05	7	CalAdvocate s-PGE-2022WMP-05_7	Question 7 List all instances in 2020 and 2021 that PG&E is aware of in which a local government has complained to or about PG&E regarding vegetation management work performed by PG&E or a contractor of PG&E. For each such instance, please state: a) The name of the local government making the complaint b) The date range of the work in question c) What program was concerned with the complaint (e.g., EVM, Firearm (FEMA patrols) d) Whether the work was performed by PG&E employees or contractors e) If the work was performed by contractors, the name of the contractor firm.	Alan Wehrman	12/23/2021	1/24/2022	1/24/2022	1	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discover y 32	CalPA	Set WMP-05	CalAdvocates-PGE-2022WMP-05	7 SUPP	CalAdvocate s-PGE-2022WMP-05_7 SUPP	List all instances in 2020 and 2021 that PG&E is aware of in which a local government has complained to or about PG&E regarding vegetation management work performed by PG&E or a contractor of PG&E. For each such instance, please state: a) The name of the local government making the complaint	Alan Wehrman	12/23/2021	1/24/2022	1/24/2022	1	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discover y 33	CalPA	Set WMP-06	CalAdvocates-PGE-2022WMP-06	1	CalAdvocate s-PGE-2022WMP-06_1	The following questions relate to the PG&E Independent Monitor Report of November 19, 2021, Kirkland & Ellis LLP, filed on November 23, 2021 (the Monitor's 2021 report) Question 1: The Monitor's 2021 report describes an ignition that occurred on June 16, 2021. The report states that PG&E's Preliminary Ignition Investigation Report (PIIR) attributed the ignition to a rotten and decayed secondary, wooden cross arm falling and igniting the light, feely latex below the pole. 3 a) Please provide a copy of the Preliminary Ignition Investigation Report 2: The Monitor's 2021 report states: "The cross arm was first identified in connection with an August 19, 2019 patrol. The tag had a due date of February 19, 2020 (a 6-month Priority E tag). The repair was permitted and ready for construction in April 2020 (which was already late), but was never completed. On September 10, 2020, the notification was reassessed and the crew lead requested that the work be expedited before the 2021 season (that is, August 30, 2021) a) In reference to the above, why was the work scheduled for April 2020 considered late? b) Please describe what is meant by the crew lead requested expedited work." c) Please describe what is meant by the crew lead requested expedited work.	Alan Wehrman	12/23/2021	1/10/2022	1/10/2022	2	7.3.3.5	Crossarm Maintenance	Miscellaneous
Pre-Discover y 34	CalPA	Set WMP-06	CalAdvocates-PGE-2022WMP-06	2	CalAdvocate s-PGE-2022WMP-06_2	Question 3 P. 37 of the Monitor's 2021 report describes PG&E's Field Safety Assessments (FSR) process, in which unresolved tags are periodically reviewed. a) Was the September 10, 2020 reassessment described in the Question 1 part of PG&E's FSR process? b) Please provide copies of all inspection reports related to the tag on the crossarm described in Question 2, including FSR inspections, that occurred between the date the tag was originally opened and June 16, 2021.	Alan Wehrman	12/23/2021	1/14/2022	1/14/2022	4	7.3.3.5	Crossarm Maintenance	Miscellaneous
Pre-Discover y 35	CalPA	Set WMP-06	CalAdvocates-PGE-2022WMP-06	3	CalAdvocate s-PGE-2022WMP-06_3	Question 4 The Monitor's 2021 report states: "At the date of the PIIR, there were 1290 open notifications on the same circuit associated with common ignition drivers, of which 886 were past due and 256 were due within six months. Of these, 66 open notifications were associated with cross arms, of which 55 were past due and 11 were due within six months." a) Following the ignition on June 16, 2021, did PG&E request or otherwise assess the 886 past due tags described above? b) Describe all actions that PG&E has taken since the ignition on June 16, 2021, to mitigate the risk of another ignition associated with cross arms on this circuit.	Alan Wehrman	12/23/2021	1/14/2022	1/14/2022	0	7.3.3.5	Crossarm Maintenance	Miscellaneous
Pre-Discover y 36	CalPA	Set WMP-06	CalAdvocates-PGE-2022WMP-06	4	CalAdvocate s-PGE-2022WMP-06_4	Question 5 a) Does PG&E have a plan to address the late tags that exist on its system in HFTD? b) If the answer to part (a) is no, will this plan be described in PG&E's 2022 WMP? c) If the answer to part (a) is no, please explain why not.	Alan Wehrman	12/23/2021	1/14/2022	1/14/2022	0	7.3.4	Asset Management and Inspections	Additional Detail
Pre-Discover y 37	CalPA	Set WMP-06	CalAdvocates-PGE-2022WMP-06	5	CalAdvocate s-PGE-2022WMP-06_5	Regarding PG&E's 2021 distribution system hardening efforts, as described in section 7.3.3.17.1 its 2021 Revised WMP:	Alan Wehrman	12/23/2021	1/14/2022	1/14/2022	0	7.3.4	Asset Management and Inspections	Additional Detail
Pre-Discover y 38	CalPA	Set WMP-07	CalAdvocates-PGE-2022WMP-07	1	CalAdvocate s-PGE-2022WMP-07_1	a) How many miles of distribution system hardening did PG&E complete in 2021? b) What percentage of the distribution system hardening work in 2021 was performed in the top 20 percent of	Alan Wehrman	12/23/2021	2/1/2022	2/1/2022	0	7.3.3.17.1	Grid Design and System Hardening	System Hardening
Pre-Discover y 39	CalPA	Set WMP-07	CalAdvocates-PGE-2022WMP-07	2	CalAdvocate s-PGE-2022WMP-07_2	Please provide a GIS file showing where PG&E completed distribution system hardening work in 2021, in accordance with section 7.3.3.17.1 its 2021 Revised WMP.	Alan Wehrman	12/23/2021	2/1/2022	2/1/2022	1	7.3.3.17.1	Grid Design and System Hardening	System Hardening
Pre-Discover y 40	CalPA	Set WMP-07	CalAdvocates-PGE-2022WMP-07	3	CalAdvocate s-PGE-2022WMP-07_3	The November 23, 2021 Federal Monitor's report states: In 2021, the Monitor team conducted an in-field review of 1,628 distribution structures in HFTDs that had been inspected by PG&E. Approximately 27% of the structures had potential exceptions noted and conditions, for a total of 583 missed field issues by PG&E inspectors across 435 structures. Approximately 11% of the structures had potential exceptions related to recordkeeping, for a total of 642 potential exceptions. The November 23, 2021 Federal Monitor report states:	Alan Wehrman	12/23/2021	2/1/2022	2/1/2022	0	7.3.4.1	Asset Management and Inspections	Inspections - Distribution
Pre-Discover y 41	CalPA	Set WMP-07	CalAdvocates-PGE-2022WMP-07	4	CalAdvocate s-PGE-2022WMP-07_4	In 2021, the Monitor team inspected 304 electric transmission structures via PG&E aerial photography records. Approximately 47% of the steel structures inspected had potential exceptions, for a total of 160 missed issues across 88 structures. Approximately 55% of the wood structures also had potential exceptions, for a total of 135 missed issues across 88 structures.	Alan Wehrman	12/23/2021	2/1/2022	2/1/2022	0	7.3.4.2	Asset Management and Inspections	Inspections - Transmission
Pre-Discover y 42	CalPA	Set WMP-08	CalAdvocates-PGE-2022WMP-08	1	CalAdvocate s-PGE-2022WMP-08_1	The following questions relate to the PG&E Independent Monitor Report of November 19, 2021, Kirkland & Ellis LLP, filed on November 23, 2021 (the Monitor's 2021 report) 3 and PG&E's responses to Data Request CalAdvocates-PGE-2022WMP-06, dated January 10 and 14, 2022. PG&E's response to Data Request CalAdvocates-PGE-2022WMP-08 states that the ignition occurring on June 21, 2021 was CPUC reportable. a) Please provide a copy of each ignition report (for the ignition referenced above) that PG&E submitted to the CPUC. b) If PG&E did not submit any ignition reports for the ignition referenced above, please explain PG&E's response to Data Request CalAdvocates-PGE-2022WMP-08 includes an inspection report from June 13, 2021 with the finding "Open Wire Service (to weatherhead) or Open Wire Secondary at this location." 5 a) Please explain what is meant by this finding? b) Please define "Open Wire Service (to weatherhead)." c) Please define "Open Wire Secondary." 5 PG&E's response to Data Request CalAdvocates-PGE-2022WMP-06, Question 3, Attachment 4, p. 2.	Alan Wehrman	1/28/2022	2/25/2022	2/25/2022	0	N/A	Miscellaneous	Additional Detail
Pre-Discover y 43	CalPA	Set WMP-08	CalAdvocates-PGE-2022WMP-08	2	CalAdvocate s-PGE-2022WMP-08_2	PG&E's response to Data Request CalAdvocates-PGE-2022WMP-08 includes an inspection report from June 13, 2021 which lists no "damaged or compelling abnormal conditions" in all categories except "Other Required Data." 6 Regarding this inspection: a) Is CalAdvocates' understanding that, as of June 13, 2021, the crossarm that failed on June 16 still had open electric corrective notifications because the maintenance issue provided in the report had not been remediated? b) If the answer to part (a) is no, please explain why the inspector did not note any damage to the crossarm during this inspection. c) State what PG&E's correction was.	Alan Wehrman	1/28/2022	2/25/2022	2/25/2022	0	7.3.4	Asset Management and Inspections	Additional Detail
Pre-Discover y 44	CalPA	Set WMP-08	CalAdvocates-PGE-2022WMP-08	3	CalAdvocate s-PGE-2022WMP-08_3	PG&E's response to Data Request CalAdvocates-PGE-2022WMP-06 includes an inspection report from June 13, 2021. Regarding this inspection: a) Since June 16, 2021, has PG&E performed any quality control or reinspection activities to validate the completeness and accuracy of other inspections performed by the individual who performed the inspection on June 13, 2021? b) If the answer to part (a) is no, please explain why not.	Alan Wehrman	1/28/2022	2/25/2022	2/25/2022	0	7.3.3.5	Crossarm Maintenance	Miscellaneous
Pre-Discover y 45	CalPA	Set WMP-08	CalAdvocates-PGE-2022WMP-08	4	CalAdvocate s-PGE-2022WMP-08_4	PG&E's response to Data Request CalAdvocates-PGE-2022WMP-06 includes an inspection report from June 13, 2021. Regarding this inspection: a) Since June 16, 2021, has PG&E performed any quality control or reinspection activities to validate the completeness and accuracy of other inspections performed by the individual who performed the inspection on June 13, 2021? b) If the answer to part (a) is no, please explain why not.	Alan Wehrman	1/28/2022	2/25/2022	2/25/2022	0	7.3.4.14	Asset Management and Inspections	Quality Assurance/Quality Control of Inspections
Pre-Discover y 46	CalPA	Set WMP-08	CalAdvocates-PGE-2022WMP-08	5 SUPP	CalAdvocate s-PGE-2022WMP-08_5 SUPP	Final ACE reports for 11 ignitions in 2021	Holly Wehrman	1/28/2022	4/8/2022	4/29/2022	2	7.3.7	Data Governance	Asset Failure Analysis
Pre-Discover y 46	CalPA	Set WMP-08	CalAdvocates-PGE-2022WMP-08	5 (a,b)	CalAdvocate s-PGE-2022WMP-08_5 (a,b)	The Monitor's 2021 report states: "For example, PG&E's recently established Asset Failure Analysis Team causally connected a June 2021 ignition to a broken cross arm." 7 a) When was PG&E's Asset Failure Analysis Team established? b) Please provide a brief description of the purpose and activities of the Asset Failure Analysis Team. c) Please describe what, if any, work products produced by the Asset Failure Analysis Team (for example, written reports or presentations). d) Please describe any changes or improvements to the team's processes. For example, PG&E's recently established Asset Failure Analysis Team causally connected a June 2021 ignition to a broken cross arm." 7 a) When was PG&E's Asset Failure Analysis Team established? b) Please provide a brief description of the purpose and activities of the Asset Failure Analysis Team. c) Please describe what, if any, work products produced by the Asset Failure Analysis Team (for example, written reports or presentations). d) Please describe any changes or improvements to the team's processes. 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