

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 Atchs	NDA Required	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."	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 did not identify any Priority A or Priority B LC tags issued" for climbing, drone, or detailed ground inspections of transmission structures.	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 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
4	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	4	CalAdvocate s-PGE-2022WMP-12_4	For desktop 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
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, G3Question 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	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-Q02Atch01.zip" which has been prepared with the same information in the requested shapefile format." Cal	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_mavf_core_risk	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	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	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.3.12.4	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	PG&E's 2021 Q4 Quarterly 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 REFCL pilot project at Calistoga experienced unsuccessful technology integration and implementation to date. We have encountered	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	a) What is the status of PG&E's REFCL program as of the issuance date of this DR? b) Does PG&E plan to continue the REFCL 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 REFCL	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	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 it, we are still doing the work as part of our overall plan. We do not currently plan to install any additional REFCL systems at this time. PG&E plans to repair and rebuild the REFCL	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	PG&E's 2022 WMP states: The Calistoga REFCL pilot project finished construction in 2020. In 2021, PG&E attempted to commission and test the REFCL technology in Calistoga. PG&E completed an elevated voltage stress test and one field ground fault test which demonstrated that REFCL technology can be	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: After the initial positive tests, the Calistoga REFCL pilot demonstration was stalled due to the failure of the substation REFCL equipment. In addition, PG&E had difficulty obtaining replacement equipment from various overseas suppliers due to supply chain issues and the ongoing COVID-19	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
20	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	6	CalAdvocate s-PGE-2022WMP-13_6	a) How effective is REFCL compared to covered conductor installation in reducing wildfire risks? b) Please provide any available supporting documentation regarding your response to subpart (a) above. c) How effective is REFCL compared to undergrounding in reducing wildfire	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
21	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	7	CalAdvocate s-PGE-2022WMP-13_7	PG&E's 2022 WMP states: REFCL 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 REFCL capabilities after obtaining replacement supplies and making repairs and modifications at the	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
22	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	8	CalAdvocate s-PGE-2022WMP-13_8	PG&E's 2022 WMP provides the following "Lessons Learned" from the REFCL initiative in 2021: • PG&E should use gang operated switchgear and protective devices instead of single pole operated devices for REFCL installations. • PG&E should consider the use of domestically available equipment for	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
23	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	9	CalAdvocate s-PGE-2022WMP-13_9	PG&E's 2022 WMP states: Based on our initial testing and the successful implementation in Australia, PG&E has developed a short-term strategy to install REFCLs in HFTD areas. PG&E forecasts deploying REFCLs at an additional two substations	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
24	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	10	CalAdvocate s-PGE-2022WMP-13_10	7.3.3.17.4 - Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter11 • 7.3.6.8 - Protective Equipment and Device Settings" 12 Please explain:	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
25	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	11	CalAdvocate s-PGE-2022WMP-13_11	a) Please explain why PG&E is not providing RSE information for this initiative in the 2022 WMP or relevant supporting attachments.	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
26	OEIS	Set 003	OEIS-PG&E-22-003	1	OEIS-PG&E-22-003_1	Considering Maturity Model Survey question E.IV.h, how would PG&E answer this modified version? Does the utility work with landowners to provide a use(s) for vegetation cut on the landowner's property? (Y/N)	Kevin Miller	3/4/2022	3/10/2022	3/10/2022	0		7.3.5	Vegetation Management (VM) and Inspections	Vegetation grow-in mitigation
27	OEIS	Set 003	OEIS-PG&E-22-003	2	OEIS-PG&E-22-003_2	Considering Maturity Model Survey question E.V.i, how would PG&E answer this modified version? Does the utility work with landowners to provide a use(s) for vegetation cut on the landowner's property? (Y/N)	Kevin Miller	3/4/2022	3/10/2022	3/10/2022	0		7.3.5	Vegetation Management (VM) and Inspections	Vegetation fall-in mitigation
28	OEIS	Set 003	OEIS-PG&E-22-003	3	OEIS-PG&E-22-003_3	From the maturity survey, in Category E (vegetation management) it is apparent that PG&E is building a granular, frequently updated inventory (Capability 21) and moving towards using "predictive modeling of vegetation growth" to schedule vegetation inspections (E.II.c). However,	Kevin Miller	3/4/2022	3/10/2022	3/10/2022	0		7.3.5	Vegetation Management (VM) and Inspections	Vegetation inspection effectiveness
29	OEIS	Set 003	OEIS-PG&E-22-003	4	OEIS-PG&E-22-003_4	ignition and propagation risk modeling to guide clearances around lines and equipment? a) How does and will PG&E's ignition and propagation risk modeling	Kevin Miller	3/4/2022	3/10/2022	3/10/2022	0		7.3.5	Vegetation Management (VM) and Inspections	Vegetation grow-in mitigation
30	OEIS	Set 003	OEIS-PG&E-22-003	5	OEIS-PG&E-22-003_5	answer 41 2022 Maturity Survey questions it said it benchmarked through consultation with other utilities in 2022 by the same standard of interpretation it used to answer the same 41 questions in 2021 and 2020. In its response, PG&E indicated that it does not, however, go back in time	Kevin Miller	3/4/2022	3/10/2022	3/10/2022	0		N/A	Miscellaneous	Maturity Survey

31	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	1	CalAdvocate s-PGE-2022WMP-14_1	On Pg. 436 of PG&E's 2022 WMP, table 7.3.3-1 highlights the average time it takes PG&E to complete a system hardening project that spans 1-2 miles. a) Please provide a list of all types of system hardening projects that are included in this table's data.	Dillon Copa Holly Wehrman 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
32	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	2	CalAdvocate s-PGE-2022WMP-14_2	On Pg. 436 of PG&E's 2022 WMP update states, "The table represents base overhead System Hardening projects after scoping is completed. As mentioned above, Fire Rebuild 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).	Dillon Copa Holly Wehrman 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	CalAdvocate s-PGE-2022WMP-14_3	On Pg. 442 of PG&E's 2022 WMP, PG&E states, "In 2021, PG&E identified and completed repairs or replacements of approximately 10,946 deteriorated crossarms." a) Please provide a .gdb spatial file showing where PG&E completed repairs of the deteriorated crossarms noted above.	Dillon Copa Holly Wehrman 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	CalAdvocate s-PGE-2022WMP-14_4	On Pg. 445 of PG&E's 2022 WMP, PG&E states, "In 2021, PG&E replaced 16,359 poles and reinforced 3,012 poles." a) Please provide a .gdb spatial file showing where PG&E replaced poles. b) Please provide a .gdb spatial file showing where PG&E reinforced poles.	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	1	7.3.3.6	Grid Design and System Hardening	Distribution Pole Replacement
35	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	5	CalAdvocate s-PGE-2022WMP-14_5	On Pg. 451 of PG&E's 2022 WMP, PG&E states, "Recently, moisture intrusion issues have been identified in some of the 'Viper' branded reclosers that have been installed on the PG&E 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 Holly Wehrman 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 Line Sectionalizing
36	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	6	CalAdvocate s-PGE-2022WMP-14_6	On Pg. 452 of PG&E's 2022 WMP, PG&E states, "We achieved our 2021 target to install 29 switches by September 1, 2021. In addition, we installed 12 T-Line SCADA switches benefiting PPS operations after September 1, 2021, for a 2021 total of 41." a) Please provide GIS point location data (in .gdb format) showing where PG&E installed 29 switches of the 2021 target in 2021.	Dillon Copa Holly Wehrman 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
37	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	7	CalAdvocate s-PGE-2022WMP-14_7	On Pg. 472 of PG&E's 2022 WMP, PG&E states, "Due to the warmer conditions in 2021, none of the substations where generation was staged were utilized in the 2021 PPS season." a) What lessons did PG&E learn about staging temporary generation from its experience in 2021?	Dillon Copa Holly Wehrman 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
38	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	8	CalAdvocate s-PGE-2022WMP-14_8	On Pg. 514 of PG&E's 2022 WMP, PG&E states, "PG&E 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 pole loading calculations." a) Please describe why PG&E switched vendors for this work in 2021. b) Please describe the pilot testing and pole loading work.	Dillon Copa Holly Wehrman 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
39	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	9	CalAdvocate s-PGE-2022WMP-14_9	On Pg. 551 of PG&E's 2022 WMP, PG&E 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.	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.17.2	Grid Design and System Hardening	System Hardening - Transmission
40	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	10	CalAdvocate s-PGE-2022WMP-14_10	On Pg. 564 of PG&E's 2022 WMP regarding Remote Grid Standalone Power Systems (SPS), PG&E states, "The program expects to grow from 1 SPS unit deployed in 2021 to 2 SPS units deployed in 2022 and on towards approximately 10 projects in 2023, followed by additional growth in the overall number of systems deployed annually in 2024-2025." a) Please describe the planning, engineering and construction work.	Dillon Copa Holly Wehrman 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
41	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	11	CalAdvocate s-PGE-2022WMP-14_11	On Pg. 567 of PG&E's 2022 WMP, PG&E uses three different terms, "trench 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 1-circuit-mile trench and underground mile.	Dillon Copa Holly Wehrman 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 Rebuild Program
42	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	12	CalAdvocate s-PGE-2022WMP-14_12	On Pg. 567 of PG&E's 2022 WMP, PG&E says, "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 (not including miles) were previously hardened overhead and were placed underground in 2020? b) How many circuit-miles total (including previously hardened overhead lines) were placed underground in 2020?	Dillon Copa Holly Wehrman 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 Rebuild Program
43	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	13	CalAdvocate s-PGE-2022WMP-14_13	In response to Data Request CalAdvocates-PGE-2022WMP-14, Question 3, PG&E provided its 2021 system hardening workplan, updated with the actual work performed in 2021. This workplan lists the circuit name associated with each system hardening order but does not list the circuit protection zone. Please provide an updated version of the workplan with circuit protection zones.	Dillon Copa Holly Wehrman 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
44	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	1	CalAdvocate s-PGE-2022WMP-15_1	On Pg. 129 of PG&E's 2022 WMP, PG&E states, "The following table summarizes the tree attachments existing as of 2/1/2022." Tree Attachments Remedied in 2021 Tree Attachments to be removed in 2022 HFTD	Holly Wehrman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.3	Grid Design and System Hardening	Tree Attachments
45	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	2	CalAdvocate s-PGE-2022WMP-15_2	a) Does PG&E consider tree attachments to be a significant wildfire risk factor? Please explain your answer. b) Does PG&E analyze and/or whether ignitions or other adverse outcomes are caused by tree attachments? c) Has PG&E identified any ignitions in the past five years that were caused by tree attachments? If so, how many?	Holly Wehrman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.3	Grid Design and System Hardening	Tree Attachments
46	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	3	CalAdvocate s-PGE-2022WMP-15_3	In response to Data Request CalAdvocates-PGE-2022WMP-10, Question 9, PG&E provided its Quality Reviews of the potential exceptions identified in the Federal Monitor Report from November 19, 2021. Per the file "WMP-Discovery2022_DR_CalAdvocates_010-Q09Atch01.xlsx" PG&E agrees with the Federal Monitor (column J) in 1,576 findings. Of those 1,576 agree, the CC Action (column N) is "N/A".	Holly Wehrman 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
47	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	4	CalAdvocate s-PGE-2022WMP-15_4	In response to Data Request CalAdvocates-PGE-2022WMP-10, Question 9, PG&E provided its Quality Reviews of the potential exceptions identified in the Federal Monitor Report from November 19, 2021. Per the file "WMP-Discovery2022_DR_CalAdvocates_010-Q09Atch02.xlsx" PG&E agrees with the Federal Monitor (column K) in 636 findings. Of those 636 findings, the CC Review Action (column O) is "N/A".	Holly Wehrman 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
48	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	5	CalAdvocate s-PGE-2022WMP-15_5	Page 129 of PG&E'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 (9) 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 start of the 2022 WMP, the 2021 WDRM v2 model is used to develop workplans for the 2022 WMP." a) How does PG&E ensure that the 2021 WDRM v2 model is used to develop workplans for the 2022 WMP?	Holly Wehrman 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	CalAdvocate s-PGE-2022WMP-15_6	In response to Data Request CalAdvocates-PGE-2022WMP-04, Question 8, PG&E provided its distribution system hardening workplan for 2022. Column P of attachment 2022_DR_CalAdvocates_004-Q08Atch01.xlsx lists the risk ranking of each CPZ where PG&E plans to perform system hardening work. Page 140 of PG&E'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 as events in the 2022 WMP model." a) How does PG&E ensure that the model is trained on the correct data?	Holly Wehrman 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
50	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	7	CalAdvocate s-PGE-2022WMP-15_7	Page 143 of PG&E'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 PG&E expect this review to be complete? b) Please provide a copy of E3's review of PG&E's 2022 WDRM v3 and WFC Model when it is complete.	Holly Wehrman 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	CalAdvocate s-PGE-2022WMP-15_8	Page 143 of PG&E'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 PG&E expect this review to be complete? b) Please provide a copy of E3's review of PG&E's 2022 WDRM v3 and WFC Model when it is complete.	Holly Wehrman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	6/2/2022	1	4.5	Model and Metric Calculation Methodologies	Wildfire Distribution Risk Model
52	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	9	CalAdvocate s-PGE-2022WMP-15_9	In response to Data Request CalAdvocates-PGE-2022WMP-04, Question 8, PG&E refers to the Progress Report it filed on November 1, 2021. Page 39 of this Progress Report states the following with respect to 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 risk." a) How does PG&E ensure that the system hardening workplan is developed in a way that allows for risk mitigation?	Holly Wehrman 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
53	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	10	CalAdvocate s-PGE-2022WMP-15_10	Page 316 of PG&E's 2022 WMP states, "In 2021, PG&E 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 Wehrman 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
54	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	11	CalAdvocate s-PGE-2022WMP-15_11	PG&E's response to data request CalAdvocates-PGE-2022WMP-09, Question 1, shows three open Priority A corrective notifications on PG&E's distribution system in HFTD with "Authorized End Dates" earlier than February 1, 2022. a) Why hasn't PG&E resolved these notifications yet? b) How does PG&E ensure that these notifications are resolved?	Holly Wehrman 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	CalAdvocate s-PGE-2022WMP-15_12	PG&E's response to data request CalAdvocates-PGE-2022WMP-09, Question 1, shows 785 open Priority B corrective notifications on PG&E's distribution system in HFTD with "Authorized End Dates" earlier than February 1, 2022. a) Why hasn't PG&E resolved these notifications yet? b) How does PG&E ensure that these notifications are resolved?	Holly Wehrman Carolyn Chen Layla Labagh	3/11/2022	3/18/2022	3/18/2022	0	7.3.4	Asset Management and Inspections	Additional Detail - Distribution
56	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	13	CalAdvocate s-PGE-2022WMP-15_13	PG&E's response to data request CalAdvocates-PGE-2022WMP-09, Question 1, shows 111,502 open corrective notifications on PG&E'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. a) How does PG&E ensure that these notifications are resolved? b) How does PG&E ensure that these notifications are resolved?	Holly Wehrman Carolyn Chen Layla Labagh	3/11/2022	3/18/2022	3/18/2022	0	7.3.4	Asset Management and Inspections	Additional Detail - Distribution
57	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	14	CalAdvocate s-PGE-2022WMP-15_14	PG&E's response to data request CalAdvocates-PGE-2022WMP-09, Question 1, shows 111,502 open corrective notifications on PG&E'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. a) Does PG&E regularly monitor how many overdue, unresolved corrective notifications it has? b) Does PG&E take any special action when a corrective notification is overdue?	Holly Wehrman 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	CalAdvocate s-PGE-2022WMP-15_15	PG&E's response to data request CalAdvocates-PGE-2022WMP-09, Question 1, shows 111,502 open corrective notifications on PG&E'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. a) How does PG&E ensure that these notifications are resolved? b) How does PG&E ensure that these notifications are resolved?	Holly Wehrman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.a	Detailed Wildfire Mitigation Initiatives	Financial Data on Mitigation Activities
59	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	16	CalAdvocate s-PGE-2022WMP-15_16	Table 12 of PG&E'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. a) How does PG&E ensure that these notifications are resolved? b) How does PG&E ensure that these notifications are resolved?	Holly Wehrman Carolyn Chen Layla Labagh	3/11/2022	3/18/2022	3/18/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Program Costing
60	OEIS	Set 004	OEIS-PG&E-22-004	1	OEIS-PG&E-22-004_1	Technical paper for each of the following from Table 9.5-1 Glossary of Primary Models (p. 1038): a) Fire Potential Index (FPI) 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 / PPS Consequence Model

61	OEIS	Set 004	OEIS-PG&E-22-004	2	OEIS-PG&E-22-004_2	While PG&E provided undergrounding information in its GIS data, PG&E did not specifically report underground circuit miles in the nonspatial 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 is located in Section 7.3.2 "Risk assessment and mapping," and Section 9.1 "Risk mapping and simulation."	Kevin Miller	3/11/2022	3/16/2022	3/16/2022	1	7.3.a	Detailed Wildfire Mitigation Initiatives	Financial Data on Mitigation Activities
62	OEIS	Set 004	OEIS-PG&E-22-004	3	OEIS-PG&E-22-004_3	a) Section 7.3.2 of the 2022 Guidelines requires the inclusion of a "climate-driven risk map and modeling based on various relevant weather scenarios relevant to the area being assessed." How has PG&E changed its mitigation plans to address lessons learned from past catastrophic fires?	Kevin Miller	3/11/2022	3/16/2022	3/16/2022	0	7.3.1	Risk Assessment and Mapping	Climate Trends
63	OEIS	Set 004	OEIS-PG&E-22-004	4	OEIS-PG&E-22-004_4	a) Include page numbers in the 2022, 2021, or 2020 WMP for discussion of each of the following applied lessons and a description of such changes: 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 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2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2739, 2740, 2741, 2742, 2743, 2744, 2745, 2746, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760, 2761, 2762, 2763, 2764, 2765, 2766, 2767, 2768, 2769, 2770, 2771, 2772, 2773, 2774, 2775, 2776, 2777, 2778, 2779, 2780, 2781, 2782, 2783, 2784, 2785, 2786, 2787, 2788, 2789, 2790, 2791, 2792, 2793, 2794, 2795, 2796, 2797, 2798, 2799, 2800, 2801, 2802, 2803, 2804, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2812, 2813, 2814, 2815, 2816, 2817, 2818, 2819, 2820, 2821, 2822, 2823, 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833, 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843, 2844, 2845, 2846, 2847, 2848, 2849, 2850, 2851, 2852, 2853, 2854, 2855, 2856, 2857, 2858, 2859, 2860, 2861, 2862, 2863, 2864, 2865, 2866, 2867, 2868, 2869, 2870, 2871, 2872, 2873, 2874, 2875, 2876, 2877, 2878, 2879, 2880, 2881, 2882, 2883, 2884, 2885, 2886, 2887, 2888, 2889, 2890, 2891, 2892, 2893, 2894, 2895, 2896, 2897, 2898, 2899, 2900, 2901, 2902, 2903, 2904, 2905, 2906, 2907, 2908, 2909, 2910, 2911, 2912, 2913, 2914, 2915, 2916, 2917, 2918, 2919, 2920, 2921, 2922, 2923, 2924, 2925, 2926, 2927, 2928, 2929, 2930, 2931, 2932, 2933, 2934, 2935, 2936, 2937, 2938, 2939, 2940, 2941, 2942, 2943, 2944, 2945, 2946, 2947, 2948, 2949, 2950, 2951, 2952, 2953, 2954, 2955, 2956, 2957, 2958, 2959, 2960, 2961, 2962, 2963, 2964, 2965, 2966, 2967, 2968, 2969, 2970, 2971, 2972, 2973, 2974, 2975, 2976, 2977, 2978, 2979, 2980, 2981, 2982, 2983, 2984, 2985, 2986, 2987, 2988, 2989, 2990, 2991, 2992, 2993, 2994, 2995, 2996, 2997, 2998, 2999, 3000, 3001, 3002, 3003, 3004, 3005, 3006, 3007, 3008, 3009, 3010, 3011, 3012, 3013, 3014, 3015, 3016, 3017, 3018, 3019, 3020, 3021, 3022, 3023, 3024, 3025, 3026, 3027, 3028, 3029, 3030, 3031, 3032, 3033, 3034, 3035, 3036, 3037, 3038, 3039, 3040, 3041, 3042, 3043, 3044, 3045, 3046, 3047, 3048, 3049, 3050, 3051, 3052, 3053, 3054, 3055, 3056, 3057, 3058, 3059, 3060, 3061, 3062, 3063, 3064, 3065, 3066, 3067, 3068, 3069, 3070, 3071, 3072, 3073, 3074, 3075, 3076, 3077, 3078, 3079, 3080, 3081, 3082, 3083, 3084, 3085, 3086, 3087, 3088, 3089, 3090, 3091, 3092, 3093, 3094, 3095, 3096, 3097, 3098, 3099, 3100, 3101, 3102, 3103, 3104, 3105, 3106, 3107, 3108, 3109, 3110, 3111, 3112, 3113, 3114, 3115, 3116, 3117, 3118, 3119, 3120, 3121, 3122, 3123, 3124, 3125, 3126, 3127, 3128, 3129, 3130, 3131, 3132, 3133, 3134, 3135, 3136, 3137, 3138, 3139, 3140, 3141, 3142, 3143, 3144, 3145, 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3312, 3313, 3314, 3315, 3316, 3317, 3318, 3319, 3320, 3321, 3322, 3323, 3324, 3325, 3326, 3327, 3328, 3329, 3330, 3331, 3332, 3333, 3334, 3335, 3336, 3337, 3338, 3339, 3340, 3341, 3342, 3343, 3344, 3345, 3346, 3347, 3348, 3349, 3350, 3351, 3352, 3353, 3354, 3355, 3356, 3357, 3358, 3359, 3360, 3361, 3362, 3363, 3364, 3365, 3366, 3367, 3368, 3369, 3370, 3371, 3372, 3373, 3374, 3375, 3376, 3377, 3378, 3379, 3380, 3381, 3382, 3383, 3384, 3385, 3386, 3387, 3388, 3389, 3390, 3391, 3392, 3393, 3394, 3395, 3396, 3397, 3398, 3399, 3400, 3401, 3402, 3403, 3404, 3405, 3406, 3407, 3408, 3409, 3410, 3411, 3412, 3413, 3414, 3415, 3416, 3417, 3418, 3419, 3420, 3421, 3422, 3423, 3424, 3425, 3426, 3427, 3428, 3429, 3430, 3431, 3432, 3433, 3434, 3435, 3436, 3437, 3438, 3439, 3440, 3441, 3442, 3443, 3444, 3445, 3446, 3447, 3448, 3449, 3450, 3451, 3452, 3453, 3454, 3455, 3456, 3457, 3458, 3459, 3460, 3461, 3462, 3463, 3464, 3465, 3466, 3467, 3468, 3469, 3470, 3471, 3472, 3473, 3474, 3475, 3476, 3477, 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3810, 3811, 3812, 3813, 3814, 3815, 3816, 3817, 3818, 3819, 3820, 3821, 3822, 3823, 3824, 3825, 3826, 3827, 3828, 3829, 3830, 3831, 3832, 3833, 3834, 3835, 3836, 3837, 3838, 3839, 3840, 3841, 3842, 3843, 3844, 3845, 3846, 3847, 3848, 3849, 3850, 3851, 3852, 3853, 3854, 3855, 3856, 3857, 3858, 3859, 3860, 3861, 3862, 3863, 3864, 3865, 3866, 3867, 3868, 3869, 3870, 3871, 3872, 3873, 3874, 3875, 3876, 3877, 3878, 3879, 3880, 3881, 3882, 3883, 3884, 3885, 3886, 3887, 3888, 3889, 3890, 3891, 3892, 3893, 3894, 3895, 3896, 3897, 3898, 3899, 3900, 3901, 3902, 3903, 3904, 3905, 3906, 3907, 3908, 3909, 3910, 3911, 3912, 3913, 3914, 3915, 3916, 3917, 3918, 3919, 3920, 3921, 3922, 3923, 3924, 3925, 3926, 3927, 3928, 3929, 3930, 3931, 3932, 3933, 3934, 3935, 3936, 3937, 3938, 3939, 3940, 3941, 3942, 3943, 3944, 3945, 3946, 3947, 3948, 3949, 3950, 3951, 3952, 3953, 3954, 3955, 3956, 3957, 3958, 3959, 3960, 3961, 3962, 3963, 3964, 3965, 3966, 3967, 3								

93	CalPA	Set WMP-17	CalAdvocates-PGE 2022WMP-17	6	CalAdvocate s-PGE-2022WMP-17_6	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, wider crossarms were being installed to minimize line slap of the heavier covered conductor. a) Is the above understanding correct with regard to the installation of wider crossarms in this project? b) What is PG&E's typical practice regarding installation or replacement of crossarms when installing covered conductor? c) Do PG&E's current design and construction standards typically call for different crossarm widths on poles that carry covered conductors than poles with intumescent wrap being installed.	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.3.3	Grid Design and System Hardening	Covered Conductor Installation
94	CalPA	Set WMP-17	CalAdvocates-PGE 2022WMP-17	7	CalAdvocate s-PGE-2022WMP-17_7	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? b) Do PG&E's current design and construction standards typically call for different crossarm widths on poles that carry covered conductors than poles with intumescent wrap being installed.	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/25/2022	3/25/2022	0	7.3.3.6	Grid Design and System Hardening	Distribution Pole Replacement and Reinforcement, Including with Composite Poles
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? b) Do PG&E's current design and construction standards typically call for different crossarm widths on poles that carry covered conductors than poles with intumescent wrap being installed.	Holly Wherman 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	Update_R0_Section 4.6_Atch01.pdf contain the joint response by PG&E, SCE, and SDG&E to the issue identified by Energy Safety titled "Limited evidence to support the effectiveness of covered conductor." Page 52 of this document states, with regard to risk event mitigation, "In recent years, cable systems and an ARC faulted bundled cable system were installed on the project." 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 Wherman 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	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 Wherman 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	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 identifier5 b) Circuit ID c) Please provide a tie geodatabase with a polyline feature for each undergrounding project completed during the period of January 1, 2020, through March 1, 2022. In addition to the spatial location, please provide the following attributes for each project: a) Project ID number or other identifier, matching part (a) of Question 10 b) Circuit ID	Holly Wherman 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	Please provide a tie geodatabase with a polyline feature for each undergrounding project completed during the period of January 1, 2020, through March 1, 2022. In addition to the spatial location, please provide the following attributes for each project: a) Project ID number or other identifier, matching part (a) of Question 10 b) Circuit ID	Holly Wherman 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	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 396,000 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.	Holly Wherman 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	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 Wherman 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	Page 620 of PG&E's 2022 WMP states that Desktop QC activities are conducted based on "random selection," "targeted," or "probable cause." Random selection is described as "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.	Holly Wherman 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	Per table 12 of PG&E's 2022 WMP, the operating expenses for initiative 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 expenses related to this initiative.	Holly Wherman 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	OEIS	Set 006	OEIS-PG&E-22-006	1	OEIS-PG&E-22-006_1	PG&E provided the below spreadsheet, an Excel table of all transmission circuits existing as of January 1, 2022. Energy Safety requests the below document and will adhere to established confidentiality requirements. Circuit ID Section 86_Atch01 appears incomplete, as it does not show all circuits listed in Section 8.6, Table 8.6-1 as presented in the guidelines, to address Public Utilities Code Section 8386(c)(8) requiring the "Identification of circuits that have frequently been de-energized. For instance, by zoning."	Kevin Miller	3/22/2022	3/25/2022	3/25/2022	1	N/A	Miscellaneous	Additional Detail
104	OEIS	Set 006	OEIS-PG&E-22-006	2	OEIS-PG&E-22-006_2	Section 86_Atch01 appears incomplete, as it does not show all circuits listed in Section 8.6, Table 8.6-1 as presented in the guidelines, to address Public Utilities Code Section 8386(c)(8) requiring the "Identification of circuits that have frequently been de-energized. For instance, by zoning."	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. 860, Figure PG&E 8.1-3, 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 shuts off 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 an 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 contact is 23% larger than the other two drivers. For the percentage of risk in the HFTD, equipment failures plus object contact represents 36.6% of the risk, while vegetation contact represents 59.3% of the risk. Frequency of vegetation contact is 62% 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 Technosylva 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 weather 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 driver 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. 205 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 put 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 TNF0634-0_20220225T144900_Section_71H_Atch01_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-Q01Atch01(CONF) 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 if it is not the complete set of weather stations. How long is 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 "EII team conducted audit of multiple work tracking databases to identify ignitions that had been missed in the past, increasing PG&E's reportable 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 EII "data dictionary/review 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-8.6-1 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	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. 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. 24	On p. 7.1.E-Atch1-21, the RSE for REFCL 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. 25	In the data request response WMP-Discovery2022_DR_CalAdvocates_013-Q11Atch01.xlsx, please verify the following interpretation: For a REFCL 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 3)	MGRA Data Request No. 26 (Incorrectly labeled as MGRA-2-17 on 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	CalAdvocates-PGE-2022WMP-18_1	PG&E's response to data request CalAdvocates-PGE-2022WMP-16, Question 11 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 overhanging clearing only; other activities previously included in the EVM scope of work are not included in the updated EVM scope of work." PG&E's response to data request CalAdvocates-PGE-2022WMP-15, Question 16 shows a reduction of approximately \$412 million in projected total vegetation management expenditures from 2022 to 2023.	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Additional Detail
132	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	2	CalAdvocates-PGE-2022WMP-18_2	a) Does the reduction in total VM expenditure from 2022 to 2023 result primarily from PG&E's plan to combine aspects of the EVM program into Regulating PG&E's covered conductor and strategic undergrounding activities?	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.5	Vegetation Management (VM) and Inspections	VM Spend
133	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	3	CalAdvocates-PGE-2022WMP-18_3	a) What is PG&E's current estimate for the service life of newly installed distribution covered conductor? b) What is PG&E's current estimate for the service life of newly installed distribution bare conductor?	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.3	Grid Design and System Hardening	Service Life of Assets
134	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	4	CalAdvocates-PGE-2022WMP-18_4	PG&E's response to data request OEIS-PG&E-22-005, Question 3, states, "The QA/QV scope is currently focused on contract Pre-Inspectors and does not evaluate the performance of PG&E Pre-inspector employees." a) Please describe the role of QA/QV as used in OEIS-PG&E-22-005, Question 3.	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	11	7.3.5	Vegetation Management (VM) and Inspections	Quality Assurance/Quality Control of Vegetation Management
135	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	5	CalAdvocates-PGE-2022WMP-18_5	As part of PG&E's response to issue 5.4.B, PG&E included the following attachments to its 2022 WMP: 2022-02-25_PGE_2022_WMP-Update_R0_Section 4.6_Remediation 5.4.B_Arch02.xlsx 2022-02-25_PGE_2022_WMP-Update_R0_Section 4.6_Remediation PG&E's written response to issue 5.4.B.3 states that priority A is used for "Conditions that require immediate action." The following priority A correctives opened in 2021 have a required end date 4 several months after the creation date. For each, please explain why the tag did not require immediate action.	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.4	Asset Management and Inspections	Additional Detail
136	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	6	CalAdvocates-PGE-2022WMP-18_6	a) Why PG&E's procedures allow a priority A corrective notification to be given a required end date more than 1 month after the date the condition is found in the field? b) In what circumstances it would be appropriate for an inspector to create a priority A corrective and assign a required end date more than 30 days in the future?	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.4	Asset Management and Inspections	Additional Detail
137	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	7	CalAdvocates-PGE-2022WMP-18_7	PG&E's response to data request CalAdvocates-PGE-2022WMP-16, Question 5, states, "Pre-Inspectors follow Procedure TD-7102P-23" for Red Flag Warning procedure and "TD-7102P-17" for Priority Tag Procedure to review and re-prioritize work within the RFW area." Please provide documents TD-7102P-23 and TD-7102P-17	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	2	7.3.5	Vegetation Management (VM) and Inspections	Emergency Response Vegetation Management Due to Red Flag
138	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	8	CalAdvocates-PGE-2022WMP-18_8	PG&E's response to data request CalAdvocates-PGE-2022WMP-16, Question 6, states, "The current use case for VM Distribution LIDAR is tied to the VM Routine Program. LIDAR collection in line with the VM Routine schedule requires more agility than is currently possible with aerial LIDAR collections." PG&E's response to data request CalAdvocates-PGE-2022WMP-16, Question 6, states, "GDL scanning costs are approximately \$400 per mile, including scanning, data processing and electrical asset and vegetation feature extraction." According to Table 12 of your WMP, the projected 2022 OPEX cost for LIDAR is \$37.6 million. PG&E's 2022 WMP states that, for 2022, the highest voltage risk miles includes, among other definitions, "The top 20 percent of circuit segments as defined by PG&E's 2021 WDRM v2 for System Hardening." In response to data request CalAdvocates-PGE-2021WMP-19, question 3, on March 15, 2021, PG&E provided a list of circuit-segments with associated risk miles. Please add the following data to CalAdvocates-PGE-2022WMP-19 Atch01.xlsx (with changes to the attachment as required by Question 1c) as new columns. Provide this data as of 2/1/2022, or the most current verified data, whichever is more recent.	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/31/2022	3/31/2022	1	7.3.3	Grid Design and System Hardening	Additional Detail
139	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	9	CalAdvocates-PGE-2022WMP-18_9	a) The total number of HTD circuit-miles (including both overhead and underground) in the Los Angeles area based on the 2021 10-year PPS lookback analysis. PG&E identified potential locations for our transmission and distribution PPS mitigation programs.	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/31/2022	3/31/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
140	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	10	CalAdvocates-PGE-2022WMP-18_10	a) In addition to PPS risk, is PG&E also evaluating prioritization for our 2022 wildfire mitigation survey question 1? Does the utility have explicit thresholds for initiating a PPS? PG&E's answer has remained the same from 2021 to 2022.	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/31/2022	3/31/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
141	CalPA	Set WMP-19	CalAdvocates-PGE-2022WMP-19	1	CalAdvocates-PGE-2022WMP-19_1	a) At what point in time does PG&E expect to have explicit policies for the use of remote sensing technology to identify and prioritize high-risk areas? Under what circumstances does the utility de-energize circuits? Select all that apply. PG&E answered all options: i. Upon detection of damaged conditions of electric equipment; ii. When circuit presents a safety risk.	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/31/2022	3/31/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
142	CalPA	Set WMP-19	CalAdvocates-PGE-2022WMP-19	2	CalAdvocates-PGE-2022WMP-19_2	Can you report on the number of circuits that are currently in the process of inspecting de-energized sections of the grid prior to re-energizing? In the 2021 Survey, PG&E answered as of January 1, 2023 it would be "Partially automated, <50%" and this year changed that answer to "Fully automated, >50%". PG&E's 2022 WMP provides the additional columns in WMP Discovery2022_DR_OEIS_005-Q01Atch01:	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/31/2022	3/31/2022	1	7.3.3	Grid Design and System Hardening	EPSS Reliability Impact analysis
143	OEIS	Set 007	OEIS-PG&E-22-007	1	OEIS-PG&E-22-007_1	a) The original number of Customers Experiencing Sustained Outages (CESO) from the actual outages that occurred (opposed to the predicted if CESO had been the same as the predicted).	Kevin Miller	3/25/2022	3/31/2022	3/31/2022	1	7.3.3	Grid Design and System Hardening	EPSS Reliability Impact analysis
144	OEIS	Set 007	OEIS-PG&E-22-007	2	OEIS-PG&E-22-007_2	a) Define the population of transmission detailed ground inspections reviewed through Desktop Reviews, including but not limited to the number of circuits inspected and the number of circuits inspected.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
145	OEIS	Set 007	OEIS-PG&E-22-007	3	OEIS-PG&E-22-007_3	a) Define the population of transmission detailed ground inspections reviewed through Desktop Reviews, including but not limited to the number of circuits inspected and the number of circuits inspected.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
146	OEIS	Set 007	OEIS-PG&E-22-007	4	OEIS-PG&E-22-007_4	1, for climbing inspections, IR inspections, and drone inspections for detailed and transmission levels respectively: a) Number of total circuit miles inspected b) Level 1 failures.	Kevin Miller	3/25/2022	4/8/2022	4/8/2022	1	7.3.4.14	Asset Management and Inspections	Detailed Inspections of Transmission Electric Lines and Equipment
147	OEIS	Set 007	OEIS-PG&E-22-007	5	OEIS-PG&E-22-007_5	Q08. Regarding Table 5.3-1, provide similar information for system hardening excluding undergrounding.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.3	Grid Design and System Hardening	Additional Detail
148	OEIS	Set 007	OEIS-PG&E-22-007	6	OEIS-PG&E-22-007_6	Q09. Provide a copy of E3's review of PG&E's 2022 WDRM v3 and WFC Model when it is complete.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	4.5	Model and Metric Calculation Methodologies	Wildfire Distribution Risk Model
149	OEIS	Set 007	OEIS-PG&E-22-007	7	OEIS-PG&E-22-007_7	Q09. Provide a copy of E3's review of PG&E's 2022 WDRM v3 and WFC Model when it is complete.	Kevin Miller	3/25/2022	3/30/2022	6/2/2022	1	4.5	Model and Metric Calculation Methodologies	Wildfire Distribution Risk Model
150	OEIS	Set 007	OEIS-PG&E-22-007	8	OEIS-PG&E-22-007_8	In Southern California Edison's 2022 WMP Update, the utility states that "in high and medium vibration susceptibility areas, vibration can reduce the covered conductor's useful life from 45 years to an average of 20 years if not addressed" and that "[i]nstalling dampers minimizes equipment failure ignition drivers, such as damage or failure of the conductor, connector, and other components of the covered conductor infrastructure." Is there a covered-conductor-specific failure modes exist that require operators to consider additional personnel training, augmented installation practices, and adoption of new mitigation strategies (e.g., additional lightning protection, covered conductor inspections and maintenance).	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	1	7.3.3	Grid Design and System Hardening	Additional Detail
151	OEIS	Set 007	OEIS-PG&E-22-007	9	OEIS-PG&E-22-007_9	a) Provide the following job aids: i) TD-2305M-JA08 ii) TD-2305M-JA09	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	3	7.3.3	Grid Design and System Hardening	Covered Conductor Maintenance
152	OEIS	Set 007	OEIS-PG&E-22-007	10	OEIS-PG&E-22-007_10	Regarding WMP-Discovery2022_DR_CalAdvocates_004-Q08Atch01.xlsx and Discovery2022_DR_CalAdvocates_004-Q09Atch01.xlsx: a) Provide an additional column with the coinciding risk scores for each project in WMP-Discovery2022_DR_CalAdvocates_004-Q08Atch01.xlsx, and Discovery2022_DR_CalAdvocates_004-Q09Atch01.xlsx. Provide WMP-Discovery2022_DR_CalAdvocates_003-Q01Atch01CONF.xlsx with the additional columns: a) Wildfire Risk Score - 2021 b) Wildfire Risk Score - 2022	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
153	OEIS	Set 007	OEIS-PG&E-22-007	11	OEIS-PG&E-22-007_11	PG&E's response to WMP-Discovery2022_DR_OEIS_002-Q07, PG&E states that they are also reviewing and evaluating the Risk Associated with Value Exposure (RAVE) module from Technosylva that has components for estimating egress considering location and community factors.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
154	OEIS	Set 007	OEIS-PG&E-22-007	12	OEIS-PG&E-22-007_12	Because system hardening work is generally identified 12 or more months before construction, the decision tree that was used for selecting between various distribution system hardening methods (e.g., undergrounding, overheading, etc.) was not updated in PG&E's 2022 WMP. PG&E states that it will update the decision tree in its 2023 WMP. Explain a list of what "reliability mitigations" includes.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.3	Grid Design and System Hardening	Additional Detail
155	OEIS	Set 007	OEIS-PG&E-22-007	13	OEIS-PG&E-22-007_13	Provide WMP-Discovery2022_DR_CalAdvocates_003-Q01Atch01CONF.xlsx with the additional columns: a) Wildfire Risk Score - 2021 b) Wildfire Risk Score - 2022	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
156	OEIS	Set 007	OEIS-PG&E-22-007	14	OEIS-PG&E-22-007_14	Provide WMP-Discovery2022_DR_CalAdvocates_003-Q01Atch01CONF.xlsx with the additional columns: a) Wildfire Risk Score - 2021 b) Wildfire Risk Score - 2022	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
157	OEIS	Set 007	OEIS-PG&E-22-007	15	OEIS-PG&E-22-007_15	Provide WMP-Discovery2022_DR_CalAdvocates_003-Q01Atch01CONF.xlsx with the additional columns: a) Wildfire Risk Score - 2021 b) Wildfire Risk Score - 2022	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
158	OEIS	Set 007	OEIS-PG&E-22-007	16	OEIS-PG&E-22-007_16	Provide WMP-Discovery2022_DR_CalAdvocates_003-Q01Atch01CONF.xlsx with the additional columns: a) Wildfire Risk Score - 2021 b) Wildfire Risk Score - 2022	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.3	Grid Design and System Hardening	Additional Detail
159	OEIS	Set 007	OEIS-PG&E-22-007	17	OEIS-PG&E-22-007_17	Provide WMP-Discovery2022_DR_CalAdvocates_003-Q01Atch01CONF.xlsx with the additional columns: a) Wildfire Risk Score - 2021 b) Wildfire Risk Score - 2022	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	N/A	EPSS	Additional Detail

160	OEIS	Set 007	OEIS-PG&E-22-007	18	OEIS-PG&E-22-007_18	In Section 7.3.5.20, PG&E details its Utility Densification Space (UDS) program and sets a target of 7,000 distribution poles in the HFTD. a) To what standard does PG&E clear these poles? (i.e., to what radius and height?) b) PG&E projects reductions in clearance scope and frequency in 2022 and 2023 based on mitigations and improved protocols and lessons learned in 2021. For instance, per PSPS event in PG&E-8-3-1 on page 934, PG&E shows estimated quantitative reduction of scope (Number of Customers) of 26,841 in Section 7.3.2.13 weather stations.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	1		7.3.5	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines
161	OEIS	Set 007	OEIS-PG&E-22-007	19	OEIS-PG&E-22-007_19	Regarding Section 7.3.2.13 weather stations: a) How many of PG&E's weather stations have been upgraded to give readings at 10 to 30-second intervals? b) How many (in percentages) of PG&E's weather stations are ground-based sensors mounted?	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0		8	PSPS	Additional Detail
162	OEIS	Set 007	OEIS-PG&E-22-007	20	OEIS-PG&E-22-007_20	Regarding PG&E's response to Maturity Survey question B.III.c: a) Please describe how PG&E interprets span based.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0		7.3.2	Situational Awareness and Forecasting	Weather Stations
163	OEIS	Set 007	OEIS-PG&E-22-007	21	OEIS-PG&E-22-007_21	Regarding PG&E's response to Maturity Survey question B.III.c: a) Please describe what PG&E needs to do to improve weather data granularity to the span-based level.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0		N/A	Miscellaneous	Maturity Survey
164	OEIS	Set 007	OEIS-PG&E-22-007	22	OEIS-PG&E-22-007_22	Regarding Safety and Infrastructure Protection Teams (SIPT) in section 7.3.2.5: a) In 2022, PG&E is planning on increasing staffing by 22 full-time employees. How many SIPT Crews and Engines will PG&E have after 2022? b) Please provide an explanation on what approving the final version of the SIPT plan entails.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0		7.3.2	Situational Awareness and Forecasting	Personnel Monitoring Areas of Electric Lines and Equipment in Forested
165	OEIS	Set 007	OEIS-PG&E-22-007	23	OEIS-PG&E-22-007_23	Regarding DTS FAST on page 574: a) Was the prototype field test installation at the Santa Cruz service center that was completed in 2021 on distribution or transmission? b) Please provide an explanation on what approving the final version of the DTS FAST entails.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0		N/A	Miscellaneous	DTS FAST
166	OEIS	Set 007	OEIS-PG&E-22-007	24	OEIS-PG&E-22-007_24	Regarding DTS FAST on page 574: a) Was the prototype field test installation at the Santa Cruz service center that was completed in 2021 on distribution or transmission? b) Please provide an explanation on what approving the final version of the DTS FAST entails.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0		N/A	Miscellaneous	DTS FAST
167	MGRA	3	MGRA Data Request No. 3	1	MGRA Data Request No. 3_1	Does the WDRM v3 model, has Cal Fire outcome data derived from VIIRS correlation now replaced the 8 hour Technosyla simulation? a) Please provide an explanation on what approving the final version of the WDRM v3 entails.	Joseph Mitchell on behalf of MGRA	3/28/2022	3/31/2022	3/31/2022	0		7.3.1	Risk Assessment and Mapping	Additional Detail
168	MGRA	4	MGRA Data Request No. 4	1	MGRA Data Request No. 4_1	What is the remaining role of Technosyla simulation in the v3 model?	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
169	MGRA	4	MGRA Data Request No. 4	2	MGRA Data Request No. 4_2	What is the remaining role of Technosyla simulation in the v3 model?	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
170	MGRA	4	MGRA Data Request No. 4	3	MGRA Data Request No. 4_3	If the Technosyla outputs are linked to the VIIRS data, how is this linkage performed?	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
171	MGRA	4	MGRA Data Request No. 4	4	MGRA Data Request No. 4_4	Specify how consequences are assigned from the VIIRS fires to the Cal Fire fire outcome data set. Is this assignment based on a specific mapping, on averages, or on a Monte Carlo? a) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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
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) values across days from historic fire seasons (i.e. based on daily weather and fuel conditions) to produce a seasonal value derived from daily estimates." a) Please provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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 (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. a) Please provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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	OEIS	Set 008	OEIS-PG&E-22-008	1	OEIS-PG&E-22-008_1	Q01: 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 AH&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 incipient fault analytics tools that will be used to proactively detect and mitigate conditions that might result in a wildfire. And that no future actions are planned at this time. a) Please provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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	OEIS	Set 008	OEIS-PG&E-22-008	2	OEIS-PG&E-22-008_2	Q02: In WMP-Discovery 2022, PG&E states that "some in-progress projects are forecasted in service towards the end of 2022" regarding transmission hardening projects. a) Provide the mileage of projects described to be forecasted. b) Regarding PG&E's asset inspectors: a) What percentage of inspections are completed by contractors vs. internally by PG&E employees? b) Provide a list of contractors used for asset inspections. c) How does training for contractors and inspectors differ from PG&E employees? d) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. e) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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	OEIS	Set 008	OEIS-PG&E-22-008	3	OEIS-PG&E-22-008_3	Q03: In WMP-Discovery 2022, PG&E states that "some in-progress projects are forecasted in service towards the end of 2022" regarding transmission hardening projects. a) Provide the mileage of projects described to be forecasted. b) Regarding PG&E's asset inspectors: a) What percentage of inspections are completed by contractors vs. internally by PG&E employees? b) Provide a list of contractors used for asset inspections. c) How does training for contractors and inspectors differ from PG&E employees? d) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. e) Please provide an explanation on what approving the final version of the WDRM v3 entails.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	1		7.3.4	Asset Management and Inspections	Additional Detail
177	OEIS	Set 008	OEIS-PG&E-22-008	4	OEIS-PG&E-22-008_4	Q04: Provide the geospatial files for the HFRA modifications shown on pg. 77 of PG&E's 2022 WMP Update. a) Please provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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	OEIS	Set 008	OEIS-PG&E-22-008	5	OEIS-PG&E-22-008_5	Q05: In WMP-Discovery 2022, PG&E states that it completed over 270 miles of distribution system hardening, with approximately 66% of these circuits falling within the highest risk miles defined as the top 20% of the risk buydown curve, fire re-build miles, and PSPS mitigation miles. a) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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	OEIS	Set 008	OEIS-PG&E-22-008	6	OEIS-PG&E-22-008_6	Q06: PG&E states that it conducted 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: a) How does training for contractors and inspectors differ from PG&E employees? b) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. c) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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	OEIS	Set 008	OEIS-PG&E-22-008	7	OEIS-PG&E-22-008_7	Q07: In WMP-Discovery 2022, PG&E states that it re-evaluated its 2021 [Maturity Survey] response related to communications tools (Question F.VI.b). PG&E also states, "because of the communications challenges in certain parts of our service territory, we are unable to provide the same level of service to all customers." PG&E states that it is projecting a need to hire approximately 40 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply review. On p. 788 of PG&E's 2022 WMP Update, PG&E states that its internal demand and supply review is based on the 2021 workforce. a) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	0		N/A	Miscellaneous	Maturity Survey
181	OEIS	Set 008	OEIS-PG&E-22-008	8	OEIS-PG&E-22-008_8	Q08: PG&E states that it is projecting a need to hire approximately 40 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply review. On p. 788 of PG&E's 2022 WMP Update, PG&E states that its internal demand and supply review is based on the 2021 workforce. a) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	0		7.3.9.1	Emergency Planning and Preparedness	Adequate and Trained Workforce for Service Restoration
182	CalPA	Set WMP-20	CalAdvocates-PGE 2022WMP-20	1	CalAdvocates-PGE-2022WMP-20_1	Q09: PG&E states that it is projecting a need to hire approximately 40 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply review. On p. 788 of PG&E's 2022 WMP Update, PG&E states that its internal demand and supply review is based on the 2021 workforce. a) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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
183	CalPA	Set WMP-20	CalAdvocates-PGE 2022WMP-20	2	CalAdvocates-PGE-2022WMP-20_2	Q10: PG&E states that it is projecting a need to hire approximately 40 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply review. On p. 788 of PG&E's 2022 WMP Update, PG&E states that its internal demand and supply review is based on the 2021 workforce. a) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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	OEIS	Set 009	OEIS-PG&E-22-009	1	OEIS-PG&E-22-009_1	Q11: 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. a) What accounts for the \$530 million increase in vegetation management category initiatives? b) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. c) Please provide an explanation on what approving the final version of the WDRM v3 entails.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0		7.3.5	Vegetation Management (VM) and Inspections	Program Cost Projection
185	OEIS	Set 009	OEIS-PG&E-22-009	2	OEIS-PG&E-22-009_2	Q12: Based on analysis of information reported in the WMP, PG&E reports an increase of \$198 million in Grid Design and System Hardening category initiatives over the amount projected for 2022 in the 2021 WMP Update. a) What accounts for the \$198 million increase in Grid Design and System Hardening category initiatives? b) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. c) Please provide an explanation on what approving the final version of the WDRM v3 entails.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	1		7.3.3	Grid Design and System Hardening	Program Cost Projection
186	OEIS	Set 009	OEIS-PG&E-22-009	3	OEIS-PG&E-22-009_3	Q13: PG&E states that it is projecting a need to hire approximately 40 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply review. On p. 788 of PG&E's 2022 WMP Update, PG&E states that its internal demand and supply review is based on the 2021 workforce. a) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0		7.3.3.16	Grid Design and System Hardening	Undergrounding
187	OEIS	Set 009	OEIS-PG&E-22-009	4	OEIS-PG&E-22-009_4	Q14: PG&E states that it is projecting a need to hire approximately 40 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply review. On p. 788 of PG&E's 2022 WMP Update, PG&E states that its internal demand and supply review is based on the 2021 workforce. a) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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	OEIS	Set 009	OEIS-PG&E-22-009	5	OEIS-PG&E-22-009_5	Q15: PG&E states that it is projecting a need to hire approximately 40 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply review. On p. 788 of PG&E's 2022 WMP Update, PG&E states that its internal demand and supply review is based on the 2021 workforce. a) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0		7.3.7	Data Governance	Program Cost Projection
189	OEIS	Set 009	OEIS-PG&E-22-009	6	OEIS-PG&E-22-009_6	Q16: PG&E states that it is projecting a need to hire approximately 40 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply review. On p. 788 of PG&E's 2022 WMP Update, PG&E states that its internal demand and supply review is based on the 2021 workforce. a) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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	OEIS	Set 009	OEIS-PG&E-22-009	7	OEIS-PG&E-22-009_7	Q17: PG&E states that it conducted an audit of work tracking databases which identified ignitions which had not been reported. Energy Safety would like to know: a) How does training for contractors and inspectors differ from PG&E employees? b) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. c) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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	Q18: PG&E states that it is projecting a need to hire approximately 40 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply review. On p. 788 of PG&E's 2022 WMP Update, PG&E states that its internal demand and supply review is based on the 2021 workforce. a) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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	Q19: PG&E states that it is projecting a need to hire approximately 40 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply review. On p. 788 of PG&E's 2022 WMP Update, PG&E states that its internal demand and supply review is based on the 2021 workforce. a) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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
193	Will Abrams	Set 02	WillAbrams-Set 02	2	WillAbrams-Set 02_2	Q20: PG&E states that it is projecting a need to hire approximately 40 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply review. On p. 788 of PG&E's 2022 WMP Update, PG&E states that its internal demand and supply review is based on the 2021 workforce. a) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.2.1.3	Situational Awareness and Forecasting	Weather Stations
194	Will Abrams	Set 02	WillAbrams-Set 02	3	WillAbrams-Set 02_3	Q21: PG&E states that it is projecting a need to hire approximately 40 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply review. On p. 788 of PG&E's 2022 WMP Update, PG&E states that its internal demand and supply review is based on the 2021 workforce. a) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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	Q22: PG&E states that it is projecting a need to hire approximately 40 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply review. On p. 788 of PG&E's 2022 WMP Update, PG&E states that its internal demand and supply review is based on the 2021 workforce. a) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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	Q23: PG&E states that it is projecting a need to hire approximately 40 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply review. On p. 788 of PG&E's 2022 WMP Update, PG&E states that its internal demand and supply review is based on the 2021 workforce. a) Provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no longer use the seasonal P(ignition) value. b) Please provide an explanation on what approving the final version of the WDRM v3 entails.	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	Q: 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 All Wood and "Slash" From Vegetation Management Activities
198	Will Abrams	Set 02	WillAbrams-Set 02	7	WillAbrams-Set 02_7	Q: 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	Q: 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	Q: 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	Q: 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	Q: 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	Q: Given this "primary address," 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	Q: What risk mitigation has PG&E done to ensure decommissioned or moth balled lines are not energized and connected to power plants? How have 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	Q: 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	Q: 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	Q: 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	Q: What has PG&E done to mitigate the risks of misconfigured jumpers? Does PG&E now cut 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	Q: What has PG&E done to mitigate these risks and ensure that wires are secured and inspected within the shoe and do not come loose to cause future catastrophic wildfires?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.4.12	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	Q: 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? Given this failure pattern, why did PG&E state over and over again that the Kincaid Fire was a "black swan"? Why did Bill Johnson, CEO dismissively state that "sometimes things just break" in reference to the 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 now 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	Patrol 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 CalPine 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 "NA" 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 silicone 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 waiting till there is a "solid line of arcing" a prudent wildfire mitigation practice during the nighttime when moisture content causes frequent arcing? If so, where is this referenced 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 ingrained within their WMP and associated operations?	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" contamination risks and wildfire risks? How is this reflected within their WMP given that 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 of when to wash or replace? 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 insulator inspections to determine replacement given the risk of wildfire 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 this 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: Is engineering design now required 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 configuration work? 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	OEIS	Set 10	OEIS-PG&E-22-010	1	OEIS-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 PSPS 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 PSPS event?	Kevin Miller	4/15/2022	4/20/2022	4/20/2022	0		8.2.3.7	PSPS	PSPS Risk-Benefit Tool

252	CalPA	Set WMP-21	CalAdvocates-PGE-2022WMP-21	4	CalAdvocate s-PGE-2022WMP-21_4	Section 7.3.3.17.6 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) 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. i. Include the length of time between identification to initiation of repair and what triggers initiation of the repair. c) 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 that have been initiated but have been delayed due to permitting. iii. A list of all work orders for which repair has not been initiated due to permitting concerns. iv. 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.	Holly Wherman Carolyn Chen	5/31/2022	6/14/2022	6/14/2022	0	7.3.3.17.6	Butte County Rebuild Program	Additional Detail
253	OEIS	Set 15	OEIS-P&GE-22-015	1	OEIS-P&GE-22-015_1	a) On December 9, 2021, was PG&E using the Heli-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.	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 Heli-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	7/5/2022	0	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 Heli-Saw had operated within Wunderlich County Park on December 9, 2021?	Holly Wehrman	6/7/2022	7/5/2022	7/5/2022	0	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, OEIS, Cal Fire, San Mateo County) did PG&E notify (prior to December 9, 2021) that it planned to operate a Heli-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	7/5/2022	0	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, OEIS, Cal Fire, San Mateo County) did PG&E report that it had operated a Heli-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	7/5/2022	0	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 Heli-Saw contractor 'mistakenly' strayed several hundred feet into parkland after doing permitted work on nearby private land." a) Who is the Heli-Saw contractor referenced above? b) Please list all Heli-Saw contractors PG&E currently employs. c) Please describe why the Heli-Saw pilot was not aware that the Heli-Saw had passed into county parkland until the Heli-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	Holly Wehrman	6/7/2022	7/5/2022	7/5/2022	0	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 Heli-Saw in Wunderlich County Park on December 9, 2021.	Holly Wehrman	6/7/2022	7/5/2022	7/5/2022	2	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 Heli-Saw is operating. b) Describe all precautions that PG&E takes to protect public safety while the Heli-Saw is operating. c) Describe all precautions the Heli-Saw contractor takes to protect public safety while the Heli-Saw is operating. d) Has PG&E changed its procedures or protocols related to Heli-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 Heli-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 Heli-Saw.	Holly Wehrman	6/7/2022	7/5/2022	7/5/2022	0	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 Heli-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 Heli-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 Heli-Saw in the future. d) If the answer to part (a) is yes, why didn't PG&E mention the Heli-Saw in its 2022 WMP Update?	Holly Wehrman	6/7/2022	7/5/2022	7/5/2022	0	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 Heli-Saw operations, which of these communication methods does PG&E use? b) For normal Heli-Saw operations, how does PG&E determine which customers should be notified? c) For the Heli-Saw operation on December 9, 2021, which of these communication methods did PG&E use? d) For the Heli-Saw operation on December 9, 2021, how did PG&E determine which customers should be notified?	Holly Wehrman	6/7/2022	7/5/2022	7/5/2022	0	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 Heli-Saw, how does PG&E protect the public from heavy branches falling, as described above? b) In normal operation of the Heli-Saw, how does PG&E protect employees and contractors working with the Heli-Saw from heavy branches falling, as described above?	Holly Wehrman	6/7/2022	7/5/2022	7/5/2022	0	7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment
264	CalPA	Set WMP-22	CalAdvocates-PGE-2022WMP-22	11	CalAdvocate s-PGE-2022WMP-22_11	The news story states, "The operation, according to Sampson, created hundreds of 2-foot to 6-foot-long stubbed limbs that littered the forest floor, that will likely die and create a fire hazard." a) Does PG&E dispute Sampson's statement about the fallen branches from the Heli-Saw operation creating a fire hazard, quoted above? Please explain if yes. b) Has PG&E taken any action to remove the limbs described above from Wunderlich County Park? Please describe all such actions if yes. c) Does PG&E plan to take any action in the future to remove the limbs described above from Wunderlich County Park? Please describe all such actions if yes. d) Describe PG&E's current practices regarding how it deals with fallen limbs from normal Heli-Saw operations.	Holly Wehrman	6/7/2022	7/5/2022	7/5/2022	0	7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment
265	CalPA	Set WMP-22	CalAdvocates-PGE-2022WMP-22	12	CalAdvocate s-PGE-2022WMP-22_12	The news story states, "...the operation, according to Sampson, created hundreds of 2-foot to 6-foot-long stubbed limbs that littered the forest floor, that will likely die and create a fire hazard." a) In normal Heli-Saw operations, what are the duties of the ground crews mentioned above? b) How many ground crews are involved in a typical Heli-Saw operation? c) How many people, on average, are in each ground crew for a typical Heli-Saw operation? d) How do Heli-Saw ground crews determine the location of the Heli-Saw relative to the planned flight path? e) How does the Heli-Saw pilot ensure that they follow the planned flight path? f) Please describe why the ground crews on December 9, 2021 were not aware that the Heli-Saw had passed into Wunderlich County Park until the Heli-Saw had finished its operation.	Holly Wehrman	6/7/2022	7/5/2022	7/5/2022	0	7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment
266	CalPA	Set WMP-22	CalAdvocates-PGE-2022WMP-22	13	CalAdvocate s-PGE-2022WMP-22_13	The news story states that Cal Fire released a notice of violation in February 2022. a) Provide a copy of the notice of violation described above. b) Provide a copy of PG&E's response to the Cal Fire notice of violation described above. c) Provide a copy of any other notices of violation from any government agency related to the usage of the Heli-Saw on December 9, 2021. d) Provide a copy of all of PG&E's response to any notifications of violation from part (c).	Holly Wehrman	6/7/2022	7/5/2022	7/5/2022	3	7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment
267	CalPA	Set WMP-22	CalAdvocates-PGE-2022WMP-22	14	CalAdvocate s-PGE-2022WMP-22_14	The news story states, "PG&E says it is conferring with Cal Fire over the Heli-Saw related violation notice as well as the permit dispute." a) What is the current status of discussions between Cal Fire and PG&E, related to the violation, noted above? b) What is the current status of the permit dispute, noted above?	Holly Wehrman	6/7/2022	7/5/2022	7/5/2022	0	7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment

268	CalPA	Set WMP-22	CalAdvocates-PGE-2022WMP-22	15	CalAdvocate s-PGE-2022WMP-22_15	a) Is PG&E engaged in any legal or administrative proceedings related to its use of the Heli-Saw in Wunderlich County Park on December 9, 2021? b) If the answer to part (a) is yes, please list all such proceedings and the venue.	Holly Wehrman	6/7/2022	7/5/2022	7/5/2022	0		7.3.5.20	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances Around Electric Lines and Equipment
270	CalPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03	1Supp	CalAdvocate s-PGE-2022WMP-03_1Supp	Please note that the geographical regions are mutually exclusive (i.e., "Other HFTD" excludes areas that are in either Tier 2 or Tier 3). Therefore, for any given circuit, the following relationships should hold: Tier 2 miles + Tier 3 miles + Other HFTD miles = total circuit miles. Provide an Excel table of all distribution circuits existing as of January 1, 2022 (as rows) that includes the following information in separate columns: bbb.Miles of LiDAR inspection in Non-HFTD in 2020cccc.Miles of LiDAR inspection in Non-HFTD in 2021dddd.Miles of LiDAR inspection Other HFTD in 2020eeee.Miles of LiDAR inspection Other HFTD in 2021ffff.Miles of LiDAR	Alan Wehrman	1/25/2022	8/3/2022	8/3/2022	1		N/A	Miscellaneous	Additional Detail
271	CalPA	Set WMP-23	CalAdvocates-PGE-2022WMP-23	1	CalAdvocate s-PGE-2022WMP-23_1	State how many customer accounts PG&E has as of June 29, 2022, and disaggregate the total by HFTD tier (as defined above).	Tyler Holzschuh	6/29/2022	7/14/2022	7/14/2022	0		8	PSPS	Additional Detail
272	CalPA	Set WMP-23	CalAdvocates-PGE-2022WMP-23	2	CalAdvocate s-PGE-2022WMP-23_2	Please provide the protective device settings that PG&E plans on using in HFTD areas during high fire-risk weather in 2022, including the following parameters: a) The minimum to trip current; b) Definite time delay; c) Time curve; and d) Coordination parameters.	Tyler Holzschuh	6/29/2022	7/14/2022	7/14/2022	0		7.3.6.8	EPSS	Device settings
273	CalPA	Set WMP-23	CalAdvocates-PGE-2022WMP-23	3	CalAdvocate s-PGE-2022WMP-23_3	If any of the parameters identified in question 2 depend on the normal operating parameters for its protective devices (i.e., device settings such as the minimum to trip during ordinary weather), please describe how PG&E determines those normal operating parameters.	Tyler Holzschuh	6/29/2022	7/14/2022	7/14/2022	0		7.3.6.8	EPSS	Device settings
274	CalPA	Set WMP-23	CalAdvocates-PGE-2022WMP-23	4	CalAdvocate s-PGE-2022WMP-23_4	a) Please state whether PG&E plans (in 2022) to coordinate protective devices with fuses' time overcurrent curves, or plans on operating protective devices in a fuse-saving mode (i.e. the recloser/circuit breaker trips before the fuse operates) while fast curve settings are in effect. b) Please explain the reasoning for PG&E's choice(s) in part (a) of this question.	Tyler Holzschuh	6/29/2022	7/14/2022	7/14/2022	0		7.3.6.8	EPSS	Device settings
275	CalPA	Set WMP-23	CalAdvocates-PGE-2022WMP-23	5	CalAdvocate s-PGE-2022WMP-23_5	Please provide: a) Any studies that show how PG&E determined that the protective device settings identified in question 2 are the best settings to use during high fire-risk weather; and b) Any studies of the expected impact to reliability due to the settings identified in question 2.	Tyler Holzschuh	6/29/2022	7/14/2022	7/14/2022	6		7.3.6.8	EPSS	Device settings
276	CalPA	Set WMP-23	CalAdvocates-PGE-2022WMP-23	6	CalAdvocate s-PGE-2022WMP-23_6	Please provide the protective device settings that PG&E normally uses (i.e., outside of HFTD or outside of high fire risk weather) in 2022, including the following parameters: a) The minimum to trip current; b) Definite time delay; c) Time curve; and d) Coordination parameters.	Tyler Holzschuh	6/29/2022	7/14/2022	7/14/2022	0		7.3.6.8	EPSS	Device settings
277	CalPA	Set WMP-23	CalAdvocates-PGE-2022WMP-23	7	CalAdvocate s-PGE-2022WMP-23_7	Please provide the following details regarding fast curve settings that PG&E used in 2021 during high fire-risk weather: a) How PG&E calculates the fault duty of the next downstream recloser, including what type of faults PG&E calculates (e.g. line-to-ground, line-to-line, triple-line-to-ground); b) How PG&E coordinated circuit breakers and main line reclosers with fuses; and c) What the instantaneous tripping currents in 2021 were for the hot-line tan (HLTI) settings mode.	Tyler Holzschuh	6/29/2022	7/14/2022	7/14/2022	0		7.3.6.8	EPSS	Device settings
278	CalPA	Set WMP-23	CalAdvocates-PGE-2022WMP-23	8	CalAdvocate s-PGE-2022WMP-23_8	Please provide an unredacted version of the spreadsheet "WMP-Discovery2022_DR_OEIS_005-Q10A1ch01_CONF.xlsx".	Tyler Holzschuh	6/29/2022	7/14/2022	7/14/2022	1		7.3.6.8	EPSS	EPSS
279	CalPA	Set WMP-24	CalAdvocates-PGE-2022WMP-24	1	CalAdvocate s-PGE-2022WMP-24_1	Regarding transmission structures and transmission connecting hardware ("these facilities"): a) How does PG&E detect defects in these facilities that may be difficult or impossible to detect using the unaided eye (such as a broken jumper within a steel shoe)? b) Does the answer to part (a) of this question differ in HFTD areas, compared to non-HFTD areas? c) If the answer to part (b) is yes, please explain the differences.	Tyler Holzschuh	7/8/2022	7/22/2022	7/22/2022	0		7.3.4	Asset Management and Inspections	Additional Detail
280	CalPA	Set WMP-24	CalAdvocates-PGE-2022WMP-24	2	CalAdvocate s-PGE-2022WMP-24_2	Regarding transmission structures and transmission connecting hardware in HFTD areas ("these facilities"): a) Does PG&E use x-rays to examine these facilities while in operation? b) If the answer to part (a) is yes, please describe how and where PG&E does this. c) Does PG&E use gamma rays to examine these facilities while in operation? d) If the answer to part (c) is yes, please describe how and where PG&E does this.	Tyler Holzschuh	7/8/2022	7/22/2022	7/22/2022	0		7.3.4	Asset Management and Inspections	Additional Detail
281	CalPA	Set WMP-24	CalAdvocates-PGE-2022WMP-24	3	CalAdvocate s-PGE-2022WMP-24_3	Regarding transmission structures and transmission connecting hardware in HFTD areas ("these facilities"): a) Please provide all current PG&E procedures for using x-rays or gamma rays to examine these facilities. b) Please provide all available studies documenting the feasibility and effectiveness of using x-rays and gamma rays to nondestructively examine these facilities. c) If there are any studies documenting the feasibility and effectiveness of using x-rays and gamma rays to nondestructively examine these facilities that you are aware of but do not possess, please identify each such document.	Tyler Holzschuh	7/8/2022	7/22/2022	7/22/2022	1		7.3.4	Asset Management and Inspections	Additional Detail
282	CalPA	Set WMP-24	CalAdvocates-PGE-2022WMP-24	4	CalAdvocate s-PGE-2022WMP-24_4	Regarding transmission structures and transmission connecting hardware in HFTD areas ("these facilities"): a) Please provide all current PG&E procedures for nondestructive examination of these facilities, other than using the visible spectrum and any procedures covered in question 3(a). b) Please provide all current PG&E procedures for destructive examination of these facilities.	Tyler Holzschuh	7/8/2022	7/22/2022	7/22/2022	7		7.3.4	Asset Management and Inspections	Additional Detail
283	CalPA	Set WMP-24	CalAdvocates-PGE-2022WMP-24	5	CalAdvocate s-PGE-2022WMP-24_5	Regarding distribution structures and hardware in HFTD areas ("these facilities"): a. Please provide all current PG&E procedures for nondestructive examination of these facilities, other than using the visible spectrum. b. Please provide all current PG&E procedures for destructive examination of these facilities.	Tyler Holzschuh	7/8/2022	7/22/2022	7/22/2022	0		7.3.4	Asset Management and Inspections	Additional Detail
284	CalPA	Set WMP-25	CalAdvocates-PGE-2022WMP-25	1	CalAdvocate s-PGE-2022WMP-25_1	Page 2 of PG&E's response states regarding the 2017 Railroad Fire, "PG&E tree contractor inadvertently dropped dead Cedar tree that the contractor was working on into a PG&E distribution line," and, "PG&E did not perform a specific lessons learned analysis for the Railroad Fire." a) Why did PG&E not perform a specific lessons learned analysis for the Railroad Fire? b) Following the Railroad Fire on August 29, 2017, through July 1, 2022, has PG&E experienced any other ignitions in its HFTD where an individual performing tree work for PG&E inadvertently dropped a tree into the distribution line? c) If the answer to part (b) is yes, please list the ignitions, including the date of the ignition, geographic latitude of the ignition, geographic longitude of the ignition, and the final size of the fire.	Holly Wehrman	7/8/2022	7/13/2022	7/13/2022	0		4.1	Lessons Learned and Risk Trends	Additional Details
285	CalPA	Set WMP-25	CalAdvocates-PGE-2022WMP-25	2	CalAdvocate s-PGE-2022WMP-25_2	Page 5 of PG&E's response states regarding the 2018 Airline Fire, "We are currently in the process of reviewing our existing maintenance tags for tags that identify missing vibration dampers and are also reviewing our guidance to inspectors so that they properly identify missing vibration dampers during inspections." a) When did PG&E initiate the review of existing maintenance tags referenced above? b) Does the review of existing maintenance tags encompass all open maintenance tags on the electric system or some subset? If the scope is limited to a subset, please describe the scope. c) When does PG&E expect to complete the review of existing maintenance tags referenced above? d) When did PG&E initiate the review of its guidance to inspectors referenced above? e) When does PG&E expect to complete the review of its guidance to inspectors referenced above? f) Has PG&E initiated any review of design standards, engineering practices, or construction practices to ensure that vibration dampeners are installed appropriately? g) If the answer to part (f) is yes, please describe the scope and timeline for this review. h) Does PG&E have equipment in service that predates the practice of utilizing vibration dampeners? i) If the answer to part (h) is yes, please list all actions PG&E has taken to assess such legacy equipment and mitigate the issue of missing vibration dampeners. Pages 5-6 of PG&E's response regarding the 2018 Airline Fire identify several actions PG&E is undertaking to ensure that the issue of missing vibration dampeners is found and remediated.	Holly Wehrman	7/8/2022	7/13/2022	7/13/2022	0		4.1	Lessons Learned and Risk Trends	Additional Details
286	CalPA	Set WMP-25	CalAdvocates-PGE-2022WMP-25	3	CalAdvocate s-PGE-2022WMP-25_3	Page 6 of PG&E's response states regarding the 2019 Lonoak Fire, "Corrective Action Program (CAP) event assigned to determine ongoing risk from vibration dampers in the field and deployed on #2 ACSR and #4 ACSR conductor wires. Specifically, the team evaluated extent of risk between 2 ACSR and Alcoa Stockbridge dampers." a) Please briefly describe the findings from PG&E's evaluation of the extent of the risk between ACSR and Alcoa Stockbridge dampers, described above. b) Has PG&E determined that utilizing Alcoa Stockbridge dampers presents a wildfire risk? c) If the answer to part (b) is yes, has PG&E initiated an effort to proactively identify and remove or replace Alcoa Stockbridge dampers? d) If the answer to part (c) is no, please explain why not.	Holly Wehrman	7/8/2022	7/13/2022	7/13/2022	1		4.1	Lessons Learned and Risk Trends	Additional Details

288	CalPA	Set WMP-25	CalAdvocates-PGE-2022WMP-25	5	CalAdvocate s-PGE-2022WMP-25_5	Page 12 of PG&E's response states regarding the 2021 Dixie Fire, "We have revised our response time standard to respond to outages in HFTD areas, where we can safely do so, within 60 minutes as compared to the prior standard which required a response within 24 hours to a low level outage such as the one experienced on the circuit associated with the Dixie Fire." a) Please define "respond" as used in this context. b) In the event that an outage occurs and a PG&E troubleperson cannot physically reach the site within 60 minutes due to factors beyond their control, please describe how PG&E would meet its standard to respond to the outage within 60 minutes.	Holly Wehrman	7/8/2022	7/13/2022	7/13/2022	0	4.1	Lessons Learned and Risk Trends	Additional Details
289	CalPA	Set WMP-25	CalAdvocates-PGE-2022WMP-25	6	CalAdvocate s-PGE-2022WMP-25_6	Page 14 of PG&E's response states, "For clarification, the revision Notice reference to increases in equipment-related ignitions from 2020 to 2021 refers to system-wide ignitions. However, in 2021, PG&E observed a 12.9% decrease in California Public Utilities Commission (CPUC) reportable ignitions in HFTD areas where the suspected cause was PG&E equipment failure." Page 16 of Energy Safety's Revision Notice includes the following chart, which shows a steady increase in non-HFTD ignitions from 2018 through 2021: [GRAPHIC TABLE] a) Please list all causal factors to which PG&E attributes the increase in equipment-related ignitions from 2018 to 2021 in non-HFTD. b) Please list and briefly describe all actions PG&E is taking in 2022 to reduce the number of equipment-related ignitions in non-HFTD.	Holly Wehrman	7/8/2022	7/13/2022	7/13/2022	0	4.1	Lessons Learned and Risk Trends	Additional Details
290	CalPA	Set WMP-25	CalAdvocates-PGE-2022WMP-25	7	CalAdvocate s-PGE-2022WMP-25_7	Page 20 of PG&E's response describes its Enhanced Ignition Analysis (EIA) program. a) Does the EIA process apply to non-HFTD ignitions? b) If the answer to part (a) is no, please explain why not.	Holly Wehrman	7/8/2022	7/13/2022	7/13/2022	0	4.1	Lessons Learned and Risk Trends	Additional Details
291	CalPA	Set WMP-25	CalAdvocates-PGE-2022WMP-25	8	CalAdvocate s-PGE-2022WMP-25_8	Pages 33-35 of PG&E's response include Table RN-PG&E-22-08-01: Timeline and Update on Actions To Increase Asset Inspection Quality. Please provide an updated copy of this Table with the following additional information in the "Timeline for Implementation" column: a) Date the action was initiated. b) Date the action was completed (if applicable).	Holly Wehrman	7/8/2022	7/13/2022	7/13/2022	0	7.3.4.19	Asset Management and Inspections	Response to RN-PGE-22-08
291	CalPA	Set WMP-25	CalAdvocates-PGE-2022WMP-25	9	CalAdvocate s-PGE-2022WMP-25_9	Pages 37 of PG&E's response states, "Continued incidents of fraudulent activity (timecards, inspections) will result in discipline and up to termination." a) From January 1, 2021, through July 1, 2022, how many incidents of fraudulent activity has PG&E recorded? b) Of the incidents in part (a), how many involved fraud in relation to asset inspections? c) Of the incidents in part (b), how many inspectors have been terminated as of July 1, 2022?	Holly Wehrman	7/8/2022	7/13/2022	7/13/2022	0	7.3.4	Asset Management and Inspections	Response to RN-PGE-22-08
292	CalPA	Set WMP-26	CalAdvocates-PGE-2022WMP-26	1	CalAdvocate s-PGE-2022WMP-26_1	a) Has PG&E studied the possibility of coordinating distribution protection in a manner where the substation feeder circuit breaker trips first and then the unfaulted line segments are re-energized to increase coordination and decrease protection delay? b) If the answer to part (a) is yes, when did PG&E conduct this analysis? c) If the answer to part (a) is yes, please provide all such studies or analyses that PG&E has produced or performed. d) If PG&E has reviewed any external (i.e., not created by PG&E) reports, studies or analyses related to the distribution protection scheme described in part (a), please identify each such document.	Tyler Holzschuh	7/15/2022	7/29/2022	7/28/2022	0	7.3.3	Grid Design and System Hardening	Additional Detail
293	CalPA	Set WMP-26	CalAdvocates-PGE-2022WMP-26	2	CalAdvocate s-PGE-2022WMP-26_2	a) Has PG&E studied the use of cumulative distribution functions, high-impedance fault detection to achieve the desired tradeoff between risk mitigation and reliability? This would entail measuring the frequencies of various trip thresholds (i.e. if the threshold is surpassed every month, three months, year, etc.) to control the number of nuisance trips for high-impedance relay functions. b) If the answer to part (a) is yes, when did PG&E conduct this analysis? c) If the answer to part (a) is yes, please provide all such studies or analyses that PG&E has produced or performed.	Tyler Holzschuh	7/15/2022	7/29/2022	7/28/2022	0	7.3.3	Grid Design and System Hardening	Additional Detail
294	CalPA	Set WMP-26	CalAdvocates-PGE-2022WMP-26	3	CalAdvocate s-PGE-2022WMP-26_3	a) Has PG&E studied the use of cumulative distribution functions, high-impedance fault detection to achieve the desired tradeoff between risk mitigation and reliability? This would entail measuring the frequencies of various trip thresholds (i.e. if the threshold is surpassed every month, three months, year, etc.) to control the number of nuisance trips for high-impedance relay functions. b) If the answer to part (a) is yes, when did PG&E conduct this analysis? c) If the answer to part (a) is yes, please provide all such studies or analyses that PG&E has produced or performed. d) If PG&E has reviewed any external (i.e., not created by PG&E) reports, studies or analyses related to the distribution protection scheme described in part (a), please identify each such document.	Tyler Holzschuh	7/15/2022	7/29/2022	7/28/2022	0	7.3.3	Grid Design and System Hardening	Additional Detail
295	CalPA	Set WMP-27	CalAdvocates-PGE-2022WMP-27	1	CalAdvocate s-PGE-2022WMP-27_1	Regarding Figure RN-PG&E-22-02-01 on p. 32 of PG&E's response, a) Please state the source(s) of data for the left-hand map, "PSPS Frequency of Circuit Segment." For example, are the frequencies based on actual PSPS events, PG&E's PSPS lookback analysis, or something else? In your answer, please include the date range for the data. b) Please state the source(s) of data for the right-hand map, "Wildfire Risk by Circuit Segment." For example, are the frequencies based on actual wildfire events, PG&E's wildfire risk analysis, or something else? In your answer, please include the date range for the data.	Holly Wehrman	7/20/2022	7/25/2022	7/25/2022	0	8	PSPS	Additional Detail
296	CalPA	Set WMP-27	CalAdvocates-PGE-2022WMP-27	2	CalAdvocate s-PGE-2022WMP-27_2	Table RN-PG&E-22-03-02 on page 38 of PG&E's July 11, 2022 response states that 59 miles of undergrounding work will be performed in the top 20% risk-ranked circuit segments in 2022. Cal Advocates reviewed attachment "2022-02-25_PGE_2022_WMP-Update_R0_Section 4.6_Remedies 21-14_Atch01_CONF_R1.xlsx" to PG&E's 2022 WMP Update to estimate the percentage of undergrounding work that is planned for the 20% risk-ranked circuit segments. Question 3 related to PG&E's response to Critical Issue RN-PG&E-22-03 (hereinafter PG&E's July 11, 2022 response).	Holly Wehrman	7/20/2022	7/25/2022	7/25/2022	0	4.6	Grid Design and System Hardening	System Hardening
297	CalPA	Set WMP-27	CalAdvocates-PGE-2022WMP-27	3	CalAdvocate s-PGE-2022WMP-27_3	Page 39 of PG&E's July 11, 2022 response states, "In order to focus undergrounding projects in locations to both address wildfire risk over the entire year and locations where wind driven events pose high wildfire risk, both the WDRM and PSPS models are referenced in identifying candidate miles for undergrounding." Page 39 additionally states, "Other models, which are categorized as 'Optional' such as PG&E's EPI and DMI Models, are also used in identifying candidate miles for undergrounding." Question 4 relates to PG&E's response to Critical Issue RN-PG&E-22-05 (hereinafter PG&E's response).	Holly Wehrman	7/20/2022	7/25/2022	7/25/2022	0	8	PSPS	Additional Detail
298	CalPA	Set WMP-27	CalAdvocates-PGE-2022WMP-27	4	CalAdvocate s-PGE-2022WMP-27_4	Table RN-PG&E-22-05-03 on pages 55 and 56 of PG&E's response outlines PG&E's planned timeline for addressing Ignition Risk tags. PG&E plans to close out 8,300 tags in Q1 of 2023, 26,700 tags in Q2, 40,000 tags in Q3, and 8,300 tags in Q4. a) Please explain the resources and plans PG&E will have in place in order to ramp up from addressing 8,300 tags in Q1 to 26,700 tags in Q2. b) Q3 is historically a period of active wildfire season. Does PG&E anticipate any changes to its resources or plans for Q3? c) Please provide any other information that you believe is relevant to this question. Question 5 relates to PG&E's response to data request CalAdvocates-PGE-2022WMP-25.	Holly Wehrman	7/20/2022	7/25/2022	7/25/2022	0	7.3.4.17	Asset Management and Inspections	Response to Critical Issue RN-PG&E-22-05
299	CalPA	Set WMP-27	CalAdvocates-PGE-2022WMP-27	5	CalAdvocate s-PGE-2022WMP-27_5	In response to data request CalAdvocates-PGE-2022WMP-25, Question 9, PG&E stated that seven inspectors had committed fraudulent activity related to asset inspections between January 1, 2021 and July 1, 2022. a) Did PG&E perform any reinspections of the assets inspected by the seven inspectors referenced above? b) If the answer to part (a) of this question is yes, please describe the scope of the reinspections described in part (a). For example, did PG&E	Holly Wehrman	7/20/2022	7/25/2022	7/25/2022	1	7.3.4	Asset Management and Inspections	Additional Detail
300	CalPA	Set WMP-28	CalAdvocates-PGE-2022WMP-28	1	CalAdvocate s-PGE-2022WMP-28_1	a) How many total ignitions has PG&E experienced related to underground distribution lines from January 1, 2015 through June 30, 2022? b) How many total ignitions has PG&E experienced related to overhead distribution lines from January 1, 2015 through June 30, 2022?	Holly Wehrman	7/27/2022	8/1/2022	8/1/2022	0	4.1	Lessons Learned and Risk Trends	Lessons Learned
301	CalPA	Set WMP-28	CalAdvocates-PGE-2022WMP-28	2	CalAdvocate s-PGE-2022WMP-28_2	For questions 2 and 3, please refer to the definitions of HFTD areas above. If you have any questions about these definitions, contact the originators of this data request. Note that the HFTD areas are defined to be both mutually exclusive and exhaustive. Therefore, in the tables below, the systemwide total for each time period should equal the sum of the cells in that column. a) Please complete Table 2a below, including only ignitions related to underground distribution lines. [see PDF for table] Please complete Table 3a below, stating the total circuit-miles of underground distribution lines that existed on your system on the first day of each time period (e.g., January 1, 2015 for the 2015 column). [see PDF for table]	Holly Wehrman	7/27/2022	8/1/2022	8/1/2022	0	7.3.4.18	Asset Management and Inspections	Response to RN-PGE-22-06
302	CalPA	Set WMP-28	CalAdvocates-PGE-2022WMP-28	3	CalAdvocate s-PGE-2022WMP-28_3	Please complete Table 3b below, stating that total circuit-miles of overhead distribution lines that existed on your system on the first day of each time period (e.g., January 1, 2015 for the 2015 column). [see PDF for table]	Holly Wehrman	7/27/2022	8/1/2022	8/1/2022	0	7.3.4.18	Asset Management and Inspections	Response to RN-PGE-22-06
303	CalPA	Set WMP-28	CalAdvocates-PGE-2022WMP-28	4	CalAdvocate s-PGE-2022WMP-28_4	Page 2 of PG&E's response to the revision notice states, "PG&E's subject matter experts estimate that placing overhead lines underground reduces ignition risk by approximately 99% in that location." a) Please describe PG&E's validation process for your estimate of 99% ignition risk reduction, referenced in the quote above. b) Has PG&E compared the number of ignitions on a given circuit segment both prior to and after undergrounding the segment? c) If the answer to part (b) of this question is yes, please explain how PG&E	Holly Wehrman	7/27/2022	8/1/2022	8/1/2022	0	7.3.3.16	Grid Design and System Hardening	Undergrounding
304	CalPA	Set WMP-28	CalAdvocates-PGE-2022WMP-28	5	CalAdvocate s-PGE-2022WMP-28_5	On July 11, 2022, in response to Critical Issue RN-PG&E-22-03, PG&E provided Table RN-PG&E-22-03-02. This table states that, in 2023, PG&E's 2023 undergrounding workplan includes 662 miles, of which 419 miles are in the top 20% risk-ranked circuit segments. On July 26, 2022, in response to Critical Issue RN-PG&E-22-04, PG&E provided attachment 2022-07-26_PGE_22-04_RNR_R3_Atch01CONF.xlsx.2 Cal Advocates filtered Column J (2023 Forecast Miles) to include only non-zero values. The resulting lines contain	Holly Wehrman	7/27/2022	8/1/2022	8/1/2022	0	7.3.3.16	Grid Design and System Hardening	Undergrounding
305	OIES	Set 16	OEIS-PG&E-22-016_1	1	OEIS-PG&E-22-016_1	Provide a risk bydown curve, like the one provided to the Wildfire Safety Division in 2021 demonstrating the differences in CPZ risk rankings from V1 to V2, that demonstrates the changes between the V2 and V3 model outputs.	Kevin Miller	8/9/2022	8/12/2022			4.5	Model and Metric Calculation Methodologies	Additional Models for Ignition Probability, Wildfire and PSPS Risk
306	OIES	Set 16	OEIS-PG&E-22-016_2	2	OEIS-PG&E-22-016_2	During a call with Energy Safety on August 3, 2022, PG&E discussed using pre-fire vegetation levels for fire burn scars. a. Describe why PG&E made these choices for determining ground fuels layers as inputs in its wildfire risk modeling. b. Provide a list of the associated CPZs that fall under these areas within Attachment 2022-07-26_PGE_22-04_RNR_R3_Atch01CONF.	Kevin Miller	8/9/2022	8/12/2022			4.5	Model and Metric Calculation Methodologies	Additional Models for Ignition Probability, Wildfire and PSPS Risk

307	OIES	Set 16	OEIS-PG&E-22-016_3	3	OEIS-PG&E-22-016_3	Provide a flowchart demonstrating PG&E's decision-making process for choosing undergrounding for a particular location, if such differs from the one described in the 2022 WMP Update.	Kevin Miller	8/9/2022	8/12/2022				7.3.3.16	Grid Design and System Hardening	Undergrounding
308	OIES	Set 16	OEIS-PG&E-22-016_4	4	OEIS-PG&E-22-016_4	What qualifications are required for inspectors completing asset inspections?	Kevin Miller	8/9/2022	8/12/2022				5.4.3	Planning for Workforce and Other Limited Resources	Target Role - Asset Inspections
309	OIES	Set 16	OEIS-PG&E-22-016_5	5	OEIS-PG&E-22-016_5	How has PG&E worked to retain and keep inspectors for asset inspections?	Kevin Miller	8/9/2022	8/12/2022				5.4	Planning for Workforce and Other Limited Resources	Additional Detail
310	OIES	Set 16	OEIS-PG&E-22-016_6	6	OEIS-PG&E-22-016_6	What are PG&E's plans for increasing internal employment of inspectors for asset inspections (as opposed to relying on contractors)?	Kevin Miller	8/9/2022	8/12/2022				5.4	Planning for Workforce and Other Limited Resources	Additional Detail
311	CalPA	Set WMP-29	CalAdvocates-PGE-2022WMP-29_1	1	CalAdvocates-PGE-2022WMP-29_1	Page 5 of PG&E's quarterly notification states, with regard to initiative D.01 "Distribution HFTD Inspections (Poles)," "Additional resources have been shifted to support Distribution overhead inspections to help close this gap. The recovery plan date to be back on track with the WMP Target is July 30, 2022." a) As of July 31, 2022, was PG&E on track with its WMP target with regard to this initiative? b) If the answer to part (a) is no, state the reason(s) for the delay and in Table 7.1 of PG&E's second quarter Quarterly Data Report, PG&E reported one fatality of a member of the public due to wildfire mitigation initiatives in Q1 2022.	Holly Wehrman	8/10/2022	8/24/2022				7.3.4.1	Asset Management and Inspections	Detailed Inspections of Distribution Electric Lines and Equipment
312	CalPA	Set WMP-29	CalAdvocates-PGE-2022WMP-29_2	2	CalAdvocates-PGE-2022WMP-29_2	a) Please identify the date, time, and location of the fatal incident. b) Please state the circumstances that led to this fatality. c) Please list the wildfire mitigation initiative(s) that were associated with this fatality. d) Please provide copies of any reports related to this fatality that PG&E included in Table 7.1 of PG&E's second quarter Quarterly Data Report.	Holly Wehrman	8/10/2022	8/24/2022				6.4	Performance Metrics and Underlying Data	Detailed Information Supporting Outcome Metrics
313	CalPA	Set WMP-29	CalAdvocates-PGE-2022WMP-29_3	3	CalAdvocates-PGE-2022WMP-29_3	a) Please identify the date, time, and location of the injury. b) Please state the circumstances that led to this injury. c) Please list the wildfire mitigation initiative(s) that were associated with this injury. d) Please provide copies of any reports related to this injury that PG&E included in Table 7.1 of PG&E's second quarter Quarterly Data Report.	Holly Wehrman	8/10/2022	8/24/2022				6.4	Performance Metrics and Underlying Data	Detailed Information Supporting Outcome Metrics
314	CalPA	Set WMP-29	CalAdvocates-PGE-2022WMP-29_4	4	CalAdvocates-PGE-2022WMP-29_4	a) Does Table 7.1 include all EPSS-related outages? b) If Table 7.1 includes EPSS-related outages, which line(s) reflect EPSS outages? c) If some or all EPSS-related outages are not included in this table, please explain why not. d) If some or all EPSS-related outages are not included in this table, please explain why not.	Holly Wehrman	8/10/2022	8/24/2022				6.7	Performance Metrics and Underlying Data	Recent and Projected Drivers of Ignition Probability
Pre-Discove ry 01	CalPA	Set WMP-02	CalAdvocates-PGE-2022WMP-02_1	1	CalAdvocates-PGE-2022WMP-02_1	Please identify and provide a copy of all quality assurance or quality control (QA/QC) reports conducted by internal entities that were completed since January 1, 2021 and that examined any programs, initiatives, or strategies described in your 2021 WMP Update.	Alan Wehrman	12/17/2021	1/18/2022	1/18/2022	17		7.3.4	Asset Management and Inspections	QA/QC Reports
Pre-Discove ry 02	CalPA	Set WMP-02	CalAdvocates-PGE-2022WMP-02_2	2	CalAdvocates-PGE-2022WMP-02_2	Please identify and provide a copy of all quality assurance or quality control (QA/QC) reports conducted by external entities that were completed since January 1, 2021 and that examined any programs, initiatives, or strategies described in your 2021 WMP Update. External entities include, but are not limited to, contractors, auditors, the Federal Monitor, and Independent	Alan Wehrman	12/17/2021	1/18/2022	1/18/2022	27		7.3.4	Asset Management and Inspections	QA/QC Reports
Pre-Discove ry 03	CalPA	Set WMP-02	CalAdvocates-PGE-2022WMP-02_3	3	CalAdvocates-PGE-2022WMP-02_3	Provide an Excel table or air defects in the year 2021 round by Energy Safety's Compliance Branch (or, previously, the CPUC's Wildfire Safety Division)1 (as rows) that includes the following information in separate columns: a) Associated circuit name b) Defect type c) Description of defect d) WMP initiative associated with defect e) Date that the defect was	Alan Wehrman	12/17/2021	1/18/2022	1/18/2022	1		N/A	Miscellaneous	Additional Detail
Pre-Discove ry 04	CalPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03_1	1	CalAdvocates-PGE-2022WMP-03_1	Please note that the geographical regions are mutually exclusive (i.e., "Other HFTD" excludes areas that are in either Tier 2 or Tier 3). Therefore, for any given circuit-segment, the following relationships should hold: • Tier 2 miles + Tier 3 miles + Other HFTD miles = total HFTD miles. • Tier 2 miles + Tier 3 miles + Other HFTD miles + non-HFTD miles = total circuit-segment miles. Provide an Excel table of all distribution circuit-segment	Alan Wehrman	12/17/2021	2/8/2022	2/10/2022	1		N/A	Miscellaneous	Additional Detail
Pre-Discove ry 05	CalPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03_2SUPP	2SUPP	CalAdvocates-PGE-2022WMP-03_2SUPP	Supplemental for Q2	Alan Wehrman	12/17/2021	2/15/2022	2/15/2022	1		N/A	Miscellaneous	Additional Detail
Pre-Discove ry 05	CalPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03_2	2	CalAdvocates-PGE-2022WMP-03_2	Provide an Excel table of all transmission circuit-segments existing as of January 1, 2022 (as rows) that includes the same information listed above in Question 1.	Alan Wehrman	12/17/2021	2/8/2022	2/10/2022	1		N/A	Miscellaneous	Additional Detail
Pre-Discove ry 06	CalPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03_3	3	CalAdvocates-PGE-2022WMP-03_3	Note: this question refers to transmission structures generally, and should not be construed to be limited to 500 kV towers. a) Provide the median amount of person-hours to perform a single climbing inspection of a transmission tower in 2021. b) Provide the total number of transmission towers that PG&E performed climbing inspections on in 2021.	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0		7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discove ry 07	CalPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03_4	4	CalAdvocates-PGE-2022WMP-03_4	Note: this question refers to transmission structures generally, and should not be construed to be limited to 500 kV towers. a) Provide the median amount of person-hours to perform a single drone inspection of a transmission tower in 2021. b) Provide the total number of transmission towers that PG&E performed drone inspections on in 2021.	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0		7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discove ry 08	CalPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03_5	5	CalAdvocates-PGE-2022WMP-03_5	Note: this question refers to transmission structures generally, and should not be construed to be limited to 500 kV towers. a) Provide the median amount of person-hours to perform a single detailed ground inspection of a transmission tower in 2021. b) Provide the total number of transmission towers that PG&E performed detailed ground inspections on in 2021.	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0		7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discove ry 09	CalPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03_6	6	CalAdvocates-PGE-2022WMP-03_6	Note: this question refers to transmission structures generally, and should not be construed to be limited to 500 kV towers. a) How many Priority A corrective tags were issued as a result of transmission tower climbing inspections performed in 2021? b) How many Priority B corrective tags were issued as a result of transmission tower climbing inspections	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0		7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discove ry 10	CalPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03_7	7	CalAdvocates-PGE-2022WMP-03_7	Note: this question refers to transmission structures generally, and should not be construed to be limited to 500 kV towers. a) How many Priority A corrective tags were issued as a result of transmission tower drone inspections performed in 2021? b) How many Priority B corrective tags were issued as a result of transmission tower drone inspections performed	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0		7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discove ry 11	CalPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03_8	8	CalAdvocates-PGE-2022WMP-03_8	Note: this question refers to transmission structures generally, and should not be construed to be limited to 500 kV towers. 10 a) How many Priority A corrective tags were issued as a result of transmission tower detailed ground inspections performed in 2021? b) How many Priority B corrective tags were issued as a result of transmission tower detailed ground	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0		7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discove ry 12	CalPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03_9	9	CalAdvocates-PGE-2022WMP-03_9	Note: this question refers to transmission structures generally, and should not be construed to be limited to 500 kV towers. a) How many Priority A corrective tags were issued as a result of work verification or quality control of transmission tower climbing inspections performed in 2021? b) How many Priority B corrective tags were issued as a result of work verification	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0		7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discove ry 13	CalPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03_10	10	CalAdvocates-PGE-2022WMP-03_10	Note: this question refers to transmission structures generally, and should not be construed to be limited to 500 kV towers. a) How many Priority A corrective tags were issued as a result of work verification or quality control of transmission tower drone inspections performed in 2021? b) How many Priority B corrective tags were issued as a result of work verification	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0		7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discove ry 14	CalPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03_11	11	CalAdvocates-PGE-2022WMP-03_11	Note: this question refers to transmission structures generally, and should not be construed to be limited to 500 kV towers. a) How many Priority A corrective tags were issued as a result of work verification or quality control of transmission tower detailed ground inspections performed in 2021? b) How many Priority B corrective tags were issued as a result of work	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0		7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discove ry 15	CalPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03_12	12	CalAdvocates-PGE-2022WMP-03_12	Please note that the geographical regions are mutually exclusive (i.e., "Other HFTD" excludes areas that are in either Tier 2 or Tier 3). Therefore, for any given circuit-segment, the following relationships should hold: • Tier 2 miles + Tier 3 miles + Other HFTD miles = total HFTD miles. • Tier 2 miles + Tier 3 miles + Other HFTD miles + non-HFTD miles = total circuit-segment miles.	Alan Wehrman	12/17/2021	2/8/2022	2/10/2022	0		N/A	Miscellaneous	Additional Detail
Pre-Discove ry 15	CalPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03_12 REV	12 REV	CalAdvocates-PGE-2022WMP-03_12 REV	Please note that the geographical regions are mutually exclusive (i.e., "Other HFTD" excludes areas that are in either Tier 2 or Tier 3). Therefore, for any given circuit-segment, the following relationships should hold: • Tier 2 miles + Tier 3 miles + Other HFTD miles = total HFTD miles. • Tier 2 miles + Tier 3 miles + Other HFTD miles + non-HFTD miles = total circuit-segment miles.	Alan Wehrman	12/17/2021	4/1/2022	4/1/2022	0		N/A	Miscellaneous	Additional Detail
Pre-Discove ry 16	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04_1	1	CalAdvocates-PGE-2022WMP-04_1	For each POU to which you supply power, please respond to the following: Describe what coordination, planning, or other activities took place in 2021 between you and the POU to mitigate the effect of a potential PG&E-initiated PSPS event on the POU and its customers.	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	0		8	PSPS	Communication with Publicly-Owned Utilities
Pre-Discove ry 17	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04_2	2	CalAdvocates-PGE-2022WMP-04_2	Provide a shapefile containing, as line features, the most recent spatial data for all circuit segments for which PG&E has used its Wildfire Distribution Risk Model to calculate circuit-segment-level expected risk. Include the following fields for each circuit-segment: For item (d), please include all relevant risk scores as separate attributes. For example, include vegetation risk score, conductor risk score, and all other driver-specific risk	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	1		7.1.F	Wildfire Mitigation Strategy	Wildfire Risk Data

Pre-Discovery 18	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	3	CalAdvocate s-PGE-2022WMP-04_3	Regarding your PSPS circuit modeling capabilities: a) Please describe your present circuit modeling capabilities with regard to PSPS decision-making ("PSPS circuit modeling capabilities"), including with what level of granularity they are able to determine how circuit hardening efforts or other changes to a line segment will affect PSPS thresholds. b) Please describe Note: this question refers to transmission structures generally, and should not be construed to be limited to 500 kv towers. a) Provide the total number of transmission towers that PG&E forecasts performing climbing inspections on in 2022. b) Provide the total number of transmission towers that PG&E forecasts performing drone inspections on in 2022. c) Provide For any program for which you forecast capital expenditures in 2022 to be at least two times actual expenditure in 2021, please provide: 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 e) An evaluation Supplemental to Question 6	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	0	8.1 and 8.2	PSPS	Additional Detail
Pre-Discovery 19	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	4	CalAdvocate s-PGE-2022WMP-04_4	For any program for which you forecast capital expenditures in 2022 to be at least two times actual expenditure in 2021, please provide: 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 e) An evaluation Supplemental to Question 6	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	0	7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discovery 20	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	5 (a,b)	CalAdvocate s-PGE-2022WMP-04_5 (a,b)	For any program for which you forecast capital expenditures in 2022 to be at least two times actual expenditure in 2021, please provide: 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 e) An evaluation Supplemental to Question 6	Alan Wehrman	12/17/2021	3/4/2022	3/4/2022	1	3.1	Summary of Wildfire Mitigation Plan Initiative Expenditures	Additional detail on expenditures
Pre-Discovery 20	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	5 (c-d)	CalAdvocate s-PGE-2022WMP-04_5 (c-d)	For any program for which you forecast capital expenditures in 2022 to be at least two times actual expenditure in 2021, please provide: 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 e) An evaluation Supplemental to Question 6	Alan Wehrman	12/17/2021	3/11/2022	3/4/2022	1	N/A	Miscellaneous	Additional Detail
Pre-Discovery 20	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	5 (e)	CalAdvocate s-PGE-2022WMP-04_5 (e)	For any program for which you forecast capital expenditures in 2022 to be at least two times actual expenditure in 2021, please provide: 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 e) An evaluation Supplemental to Question 6	Alan Wehrman	12/17/2021	3/14/2022 (Noon)	3/14/2022	1	N/A	Miscellaneous	Additional Detail
Pre-Discovery 21	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	6 (a,b)	CalAdvocate s-PGE-2022WMP-04_6 (a,b)	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 e) An evaluation Supplemental to Question 6	Alan Wehrman	12/17/2021	3/4/2022	3/4/2022	1	3.1	Summary of Wildfire Mitigation Plan Initiative Expenditures	Additional detail on expenditures
Pre-Discovery 21	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	6 (c-d)	CalAdvocate s-PGE-2022WMP-04_6 (c-d)	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 e) An evaluation Supplemental to Question 6	Alan Wehrman	12/17/2021	3/11/2022	3/4/2022	1	N/A	Miscellaneous	Additional Detail
Pre-Discovery 21	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	6 (e)	CalAdvocate s-PGE-2022WMP-04_6 (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 e) An evaluation Supplemental to Question 6	Alan Wehrman	12/17/2021	3/14/2022 (Noon)	3/14/2022	0	N/A	Miscellaneous	Additional Detail
Pre-Discovery 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. Attachments 1-4. Please additionally include 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 the work that you forecast will actually be performed in calendar year 2022. This	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-Discovery 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 the work that you forecast will actually be performed in calendar year 2022. This	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	1	7.3.3.17.1	Grid Design and System Hardening	System Hardening - Distribution
Pre-Discovery 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-Discovery 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 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 all such instances, including i. the location of the work, ii. the date(s) of the work, and iii. the reasons that the work was unsatisfactory. 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. 3 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 erosion on narrow roads? c) 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 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 (e.g., EVM, routine VM, or Supplemental to Question 6)	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	0	7.3.3.17.1	Grid Design and System Hardening	System Hardening - Distribution
Pre-Discovery 26	CalPA	Set WMP-05	CalAdvocates-PGE-2022WMP-05	1	CalAdvocate s-PGE-2022WMP-05_1	The following questions relate to the article Humboldt County Issues Stop Work Order, PG&E Removes Contractor on EVM in Sohum After Complaints/Video by Residents, published in Redheaded Blackbelt on December 16, 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	Alan Wehrman	12/23/2021	1/10/2022	1/10/2022	1	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discovery 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-Discovery 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 road work in the area described, as alleged in the article? b) If the answer to part (a) is yes, 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-Discovery 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 a road. Are these allegations accurate 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-Discovery 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 all such instances, including i. the location of the work, ii. the date(s) of the work, and iii. the reasons that the work was unsatisfactory. 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. 3 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 erosion on narrow roads? c) 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 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 (e.g., EVM, routine VM, or Supplemental to Question 6)	Alan Wehrman	12/23/2021	1/10/2022	1/10/2022	0	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discovery 31	CalPA	Set WMP-05	CalAdvocates-PGE-2022WMP-05	6	CalAdvocate s-PGE-2022WMP-05_6	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 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 (e.g., EVM, routine VM, or Supplemental to Question 6)	Alan Wehrman	12/23/2021	1/24/2022	1/10/2022	0	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discovery 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 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 (e.g., EVM, routine VM, or Supplemental to Question 6)	Alan Wehrman	12/23/2021	1/24/2022	1/24/2022	1	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discovery 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:	Alan Wehrman	12/23/2021	1/24/2022	1/24/2022	1	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discovery 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). 2 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 crossarm." 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 generated and the renewal process that the tag was expected before Safety Assessments (FSR) process, in which unresolved tags are periodically reviewed. a) Was the September 10, 2020 reassessment described in Question 2 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. The Monitor's 2021 report states: "As of the date of the tag, there were 1290 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." 5 a) Following the ignition on June 16, 2021, did PG&E reinspect	Alan Wehrman	12/23/2021	1/10/2022	1/10/2022	2	7.3.3.5	Crossarm Maintenance	Miscellaneous
Pre-Discovery 34	CalPA	Set WMP-06	CalAdvocates-PGE-2022WMP-06	2	CalAdvocate s-PGE-2022WMP-06_2	Question 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 generated and the renewal process that the tag was expected before Safety Assessments (FSR) process, in which unresolved tags are periodically reviewed. a) Was the September 10, 2020 reassessment described in Question 2 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. The Monitor's 2021 report states: "As of the date of the tag, there were 1290 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." 5 a) Following the ignition on June 16, 2021, did PG&E reinspect	Alan Wehrman	12/23/2021	1/14/2022	1/14/2022	0	7.3.3.5	Crossarm Maintenance	Miscellaneous
Pre-Discovery 35	CalPA	Set WMP-06	CalAdvocates-PGE-2022WMP-06	3	CalAdvocate s-PGE-2022WMP-06_3	Question 3 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 all such instances, including i. the location of the work, ii. the date(s) of the work, and iii. the reasons that the work was unsatisfactory. 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. 3 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 erosion on narrow roads? c) 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 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 (e.g., EVM, routine VM, or Supplemental to Question 6)	Alan Wehrman	12/23/2021	1/14/2022	1/14/2022	4	7.3.3.5	Crossarm Maintenance	Miscellaneous
Pre-Discovery 36	CalPA	Set WMP-06	CalAdvocates-PGE-2022WMP-06	4	CalAdvocate s-PGE-2022WMP-06_4	Question 4 The article alleges that KDF had left logs and chips in the ditch, plugged culverts, and damaged the shoulders of a road. Are these allegations accurate 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	1/14/2022	1/14/2022	0	7.3.3.5	Crossarm Maintenance	Miscellaneous
Pre-Discovery 37	CalPA	Set WMP-06	CalAdvocates-PGE-2022WMP-06	5	CalAdvocate s-PGE-2022WMP-06_5	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 yes, 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-Discovery 38	CalPA	Set WMP-07	CalAdvocates-PGE-2022WMP-07	1	CalAdvocate s-PGE-2022WMP-07_1	Regarding PG&E's 2021 distribution system hardening efforts, as described in section 7.3.3.17.1 its 2021 Revised WMP: a) How many miles of distribution system hardening did PG&E complete in 2021?	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-Discovery 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-Discovery 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 related to field conditions for a total of 583 missed field issues by PG&E inspectors. 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-Discovery 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 field issues. The November 23, 2021 Federal Monitor report states: 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 field issues. The November 23, 2021 Federal Monitor report states: 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 field issues. 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Pre-Discovery 72	OEIS	Set 002	OEIS-PG&E-22-002	12	OEIS-PG&E-22-002_12	F- Grid operations and protocols Q12. Regarding PG&E's response to Maturity Survey question F.III.d (During PSPS events does the utility's website go down?): a. How many times did PG&E's website go down during PSPS events in February 2, 2022; PG&E needs to provide a report in response to the Enhanced Oversight and Enforcement Process. Please provide Excel versions of the following attachments to this report: a) Attachment A: 2021 EVM Scope of Work - Year End Summary b) Attachment B: 2021 EVM Work Performed Outside the 2021 EVM Scope of Work - Year End Summary	Kevin Miller	2/22/2022	3/4/2022	3/4/2022	0		7.3.6	Grid Operations and Protocols	Survey Responses
Pre-Discovery 73	CalPA	Set WMP-11	CalAdvocates-PGE-2022WMP-11	1	CalAdvocates-PGE-2022WMP-11_1	In response to Data Request CalAdvocates-PGE-2021WMP-10, question 5, March 3, 2021, PG&E provided its 2021 EVM workplan. Please provide an updated version of this workplan that lists the actual EVM mileage performed in each circuit-segment in 2021 as a new column. Rows should be added as needed to cover all circuit-segments where PG&E performed EVM work in 2021	Holly Wehrman Carolyn Chen Layla Labagh	2/24/2022	3/2/2022	3/3/2022	3		N/A	Miscellaneous	Additional Detail
Pre-Discovery 74	CalPA	Set WMP-11	CalAdvocates-PGE-2022WMP-11	2	CalAdvocates-PGE-2022WMP-11_2	In response to Data Request CalAdvocates-PGE-2021WMP-10, question 6, March 3, 2021, PG&E provided its 2021 system hardening workplan for the categories referred to in parts (a)-(d) below. Please provide an updated version of this workplan with additional columns to show the actual system hardening work performed in each circuit-segment in 2021 for each of these categories:	Holly Wehrman Carolyn Chen Layla Labagh	2/24/2022	3/2/2022	3/3/2022	0		7.3.5.2	Vegetation Management (VM) and Inspections	Enhanced Vegetation Management
Pre-Discovery 75	CalPA	Set WMP-11	CalAdvocates-PGE-2022WMP-11	3	CalAdvocates-PGE-2022WMP-11_3	In PG&E's 2021 Q4 quarterly initiative update, PG&E stated that, as of 2021 Q4, PG&E had hardened 210.5 distribution line miles under initiative "C.13 - System Hardening (Distribution)". As stated in PG&E's response to Data Request CalAdvocates-PGE-2022WMP-03, February 15, 2022, attachment "WMP-Discovery2022_DR_CalAdvocates_003_Q03Supp04Attch01CONC.xlsx"	Holly Wehrman Carolyn Chen Layla Labagh	2/24/2022	3/2/2022	3/3/2022	1		7.3.3.17	Grid Design and System Hardening	System Hardening
Pre-Discovery 76	CalPA	Set WMP-11	CalAdvocates-PGE-2022WMP-11	4	CalAdvocates-PGE-2022WMP-11_4		Holly Wehrman Carolyn Chen Layla Labagh	2/24/2022	3/2/2022	3/3/2022	0		7.3.3.17	Grid Design and System Hardening	System Hardening