

Link to Discovery Responses: [https://www.pge.com/en\\_US/safety/emergency-preparedness/natural-disaster/wildfires/wildfire-mitigation-plan-discovery-data-requests.page](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	CalIPA	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	CalIPA	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	CalIPA	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	CalIPA	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	CalIPA	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	CalIPA	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	CalIPA	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	CalIPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	8	CalAdvocate s-PGE-2022WMP-12_8	In response to Data Request CalAdvocates-PGE-2022WMP-08, Question 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	CalIPA	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	CalIPA	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	CalIPA	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	CalIPA	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	CalIPA	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	CalIPA	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	CalIPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	1	CalAdvocate s-PGE-2022WMP-13_1	PG&E's 2022 WMP 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	CalIPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	2	CalAdvocate s-PGE-2022WMP-13_2	a) What are the reasons for the current project status or 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	CalIPA	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	CalIPA	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	CalIPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	5	CalAdvocate s-PGE-2022WMP-13_5	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	CalIPA	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	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	CalIPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	7	CalAdvocate s-PGE-2022WMP-13_7	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	CalIPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	8	CalAdvocate s-PGE-2022WMP-13_8	PG&E's 2022 WMP states the following for "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	CalIPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	9	CalAdvocate s-PGE-2022WMP-13_9	PG&E's 2022 WMP states the following regarding the REFCL program: 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	CalIPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	10	CalAdvocate s-PGE-2022WMP-13_10	Regarding Initiative 7.3.3.17.4 - Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter 7.3.3.17.4 - 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	CalIPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	11	CalAdvocate s-PGE-2022WMP-13_11	In this 2022 WMP, PG&E states: "In this 2022 WMP, PG&E does not appear to provide a Risk Spend Efficiency (RSE) score for 2022 WMP Initiative 7.3.3.17.4 - Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter." a) 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.f, 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 C (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, considering maturity survey question E.V.c, why is PG&E forecasting ignition and propagation risk modeling to guide clearances around lines and equipment?	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	a) How does and will PG&E's ignition and propagation risk modeling in the 2022 WMP?	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	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	Kevin Miller	3/4/2022	3/10/2022	3/10/2022	0		N/A	Miscellaneous	Maturity Survey
31	CalIPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	1	CalAdvocate s-PGE-2022WMP-14_1	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. b) Please provide a separate table highlighting the average time frame to	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	CalIPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	2	CalAdvocate s-PGE-2022WMP-14_2	PG&E's 2022 WMP Update states: "The data in this table is based on 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	CalIPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	3	CalAdvocate s-PGE-2022WMP-14_3	On Pg. 44 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	CalIPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	4	CalAdvocate s-PGE-2022WMP-14_4	On Pg. 44 of PG&E's 2022 WMP, PG&E states, "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	CalIPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	5	CalAdvocate s-PGE-2022WMP-14_5	On Pg. 45 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."	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	CalIPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	6	CalAdvocate s-PGE-2022WMP-14_6	On Pg. 42 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 PSPS operations after September 1, 2021, for a total of 41." a) Please provide GIS point location data (in .gdb format) showing where these switches were installed.	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	CalIPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	7	CalAdvocate s-PGE-2022WMP-14_7	On Pg. 42 of PG&E's 2022 WMP, PG&E states, "Due to the weather conditions in 2021, none of the substations where generation was staged were utilized in the 2021 PSPS 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 PSPS Mitigation
38	CalIPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	8	CalAdvocate s-PGE-2022WMP-14_8	On Pg. 37 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.	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	CalIPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	9	CalAdvocate s-PGE-2022WMP-14_9	On Pg. 37 of PG&E's 2022 WMP, PG&E states, "The complete 22 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	CalIPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	10	CalAdvocate s-PGE-2022WMP-14_10	On Pg. 34 of PG&E's 2022 WMP regarding Remote Grid Stations, 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 15 projects in 2023, followed by additional growth in the overall number of systems deployed annually in 2024-2025." a) Please provide a .gdb spatial file showing where these units are located.	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	CalIPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	11	CalAdvocate s-PGE-2022WMP-14_11	On Pg. 34 of PG&E's 2022 WMP, PG&E states, "The 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 of transmission system hardening.	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	CalIPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	12	CalAdvocate s-PGE-2022WMP-14_12	On Pg. 34 of PG&E's 2022 WMP, PG&E states, "The terms 'trench miles' 'circuit miles' and 'underground miles'." a) How many circuit-miles total (including non-Butte rebuild miles) were previously hardened overhead and 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	CalIPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	13	CalAdvocate s-PGE-2022WMP-14_13	In response to a 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 order but does not list the circuit protection zone. Please provide an order but does not list the circuit protection zone.	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	CalIPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	1	CalAdvocate s-PGE-2022WMP-15_1	PG&E's response to a data request, CalAdvocates-PGE-2022WMP-15, Questions 1-3, are summarized in the following table: Tree Attachments Existing as of 2/1/2022 Tree Attachments Remediated in 2021 Tree Attachments to be removed in 2022	Holly 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	CalIPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	2	CalAdvocate s-PGE-2022WMP-15_2	PG&E's response to a data request, CalAdvocates-PGE-2022WMP-15, Question 4, asks, "Does PG&E consider tree attachments to be a significant wildfire risk factor? Please explain your answer." b) Does PG&E analyze and track 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?	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	CalIPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	3	CalAdvocate s-PGE-2022WMP-15_3	In response to a data request, CalAdvocates-PGE-2022WMP-15, 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 findings, PG&E identified 1,576 findings.	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	CalIPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	4	CalAdvocate s-PGE-2022WMP-15_4	In response to a data request, CalAdvocates-PGE-2022WMP-15, 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 findings, PG&E identified 636 findings.	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	CalIPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	5	CalAdvocate s-PGE-2022WMP-15_5	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.	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	CalIPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	6	CalAdvocate s-PGE-2022WMP-15_6	In response to a data request, CalAdvocates-PGE-2022WMP-15, Question 8, PG&E provided its distribution system hardening workplan for 2022. Column P of attachment "WMP-Discovery2022_DR_CalAdvocates_004-Q08Atch01.xlsx" lists the risk ranking of each CPZ where PG&E plans to perform system hardening work.	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	CalIPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	7	CalAdvocate s-PGE-2022WMP-15_7	Page 40 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."	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	CalIPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	8	CalAdvocate s-PGE-2022WMP-15_8	Page 40 of PG&E's 2022 WMP states, "As of the date 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.	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
52	CalIPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	9	CalAdvocate s-PGE-2022WMP-15_9	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 CPZ, performing system hardening work may allow us to mitigate risk."	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	CalIPA	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	CalIPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	11	CalAdvocate s-PGE-2022WMP-15_11	PG&E's response to a data request, CalAdvocates-PGE-2022WMP-15, 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?	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	CalIPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	12	CalAdvocate s-PGE-2022WMP-15_12	PG&E's response to a data request, CalAdvocates-PGE-2022WMP-15, 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?	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
56	CalIPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	13	CalAdvocate s-PGE-2022WMP-15_13	PG&E's response to a data request, CalAdvocates-PGE-2022WMP-15, 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.	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
57	CalIPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	14	CalAdvocate s-PGE-2022WMP-15_14	Regarding PG&E's response to a data request, CalAdvocates-PGE-2022WMP-09, 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	CalIPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	15	CalAdvocate s-PGE-2022WMP-15_15	PG&E's response to a data request, CalAdvocates-PGE-2022WMP-09, Update_R0 Section 7.3.a, Atch01.xlsx do not appear to follow the template included in Energy Safety's Final 2022 Wildfire Mitigation Plan (WMP) Update Guidelines, Attachment 3. Please provide an updated version of this file with data in the latest version.	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	CalIPA	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.	Holly Wehrman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Program Costing
60	OEIS	Set 004	OEIS-PG&E-22-004	1	OEIS-PG&E-22-004_1	Please provide the model documentation and user guide or a similar technical paper for each of the following from Table 9.5-1 Glossary of Primary Models (p. 1038):	Kevin Miller	3/11/2022	3/16/2022	3/16/2022	2	4.5	Model and Metric Calculation Methodologies	Fire Potential Index (FPI) Model / PSPS Consequence Model
61	OEIS	Set 004	OEIS-PG&E-22-004	2	OEIS-PG&E-22-004_2	While PG&E provided the following information in its GIS data, PG&E did not specifically report underground circuit miles in the non-spatial tables. Underground circuit miles were obtained from the GIS submission. a) Please provide updated data for rows 1a, 2a, and 3a in Table 8, which includes the following: 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 case changes in human impacts 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: a) 2021 Fire - Also Fire - Second Fire - Delayed Fire - and b) 2021 Fire - Also Fire - Second Fire - Delayed Fire - and	Kevin Miller	3/11/2022	3/16/2022	3/16/2022	0	4.2	Lessons Learned and Risk Trends	Wildfire
64	OEIS	Set 004	OEIS-PG&E-22-004	5 (incorrectly marked as 4)	OEIS-PG&E-22-004_5 (incorrectly marked as 4)	a) Provide the number of events broken down by equipment type that fall in the "Other" category in Rows 20, 39, 65, and 91. b) Why is PG&E expecting an increase in wire-down events for the following from 2022 to 2023?	Kevin Miller	3/11/2022	3/17/2022	3/17/2022	0	7.3.a	Detailed Wildfire Mitigation Initiatives	Financial Data on Mitigation Activities
65	OEIS	Set 004	OEIS-PG&E-22-004	6 (incorrectly marked as 5)	OEIS-PG&E-22-004_6 (incorrectly marked as 5)	a) Why is PG&E expecting an increase in ignitions for the following from 2022 to 2023? b) Vegetation contacts	Kevin Miller	3/11/2022	3/16/2022	3/16/2022	0	7.3.a	Detailed Wildfire Mitigation Initiatives	Financial Data on Mitigation Activities

66	CalPA	Set WMP-16	CalAdvocates-PGE-2022WMP-16	1	CalAdvocate s-PGE-2022WMP-16_1	Page 63 of PG&E's 2022 WMP states: "Pacific Gas and Electric Company (PG&E) works to inform customers, landowners, and communities about VM work taking place and our role in increasing public safety as well as reducing fire risk." a)What communication methods are PG&E employing to effectively	Dillon Copa Carolyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Additional Efforts to Manage Community and Environmental Impacts
67	CalPA	Set WMP-16	CalAdvocates-PGE-2022WMP-16	2	CalAdvocate s-PGE-2022WMP-16_2	Page 63 of PG&E's 2022 WMP states: "PG&E has streamlined the development of our new process to standardize and enhance customer and community engagement for electric VM work." a)Please provide further information on the new process referred to above.	Dillon Copa Carolyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Additional Efforts to Manage Community and Environmental Impacts
68	CalPA	Set WMP-16	CalAdvocates-PGE-2022WMP-16	3	CalAdvocate s-PGE-2022WMP-16_3	Page 63 of PG&E's 2022 WMP states: "As of December 31, 2021, PG&E's internal resources and contractor partners had worked approximately 1,486,330 trees in our Routine VM program and 34,189 trees in our Tree Mortality program. In addition, we completed 1,983 miles of EVM work." a)Please provide total miles completed in PG&E's Routine VM program in	Dillon Copa Carolyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Default Inspections and Management Practices for Vegetation Clearances Around
69	CalPA	Set WMP-16	CalAdvocates-PGE-2022WMP-16	4	CalAdvocate s-PGE-2022WMP-16_4	Page 63 of PG&E's 2022 WMP states: "In September 2021, we began to transition the maintenance of EVM work that has already been performed to Routine VM patrols." a)How did PG&E come to the decision to begin to transition the maintenance of EVM work to Routine EVM patrols?	Dillon Copa Carolyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Default Inspections and Management Practices for Vegetation Clearances Around
70	CalPA	Set WMP-16	CalAdvocates-PGE-2022WMP-16	5	CalAdvocate s-PGE-2022WMP-16_5	Page 64 of PG&E's 2022 WMP states: "vegetation management as a Priority 2 work within the Red Flag Warning (RFV) area will be reviewed and re-prioritized if determined necessary by the local PG&E VM Point of Contact." a)Please describe the steps PG&E takes to review and re-prioritize	Dillon Copa Carolyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Emergency Response Vegetation Management Due to Red Flag Warning
71	CalPA	Set WMP-16	CalAdvocates-PGE-2022WMP-16	6	CalAdvocate s-PGE-2022WMP-16_6	Section 7.3.3.6 of PG&E's 2022 WMP discusses the use of inspections of vegetation around distribution electric lines and equipment. a)Please describe the circumstances in which PG&E employs ground-based LIDAR inspections. b)Please describe the circumstances in which PG&E employs aerial	Dillon Copa Carolyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Inspections of Vegetation Around Distribution Electric Lines and
72	CalPA	Set WMP-16	CalAdvocates-PGE-2022WMP-16	7	CalAdvocate s-PGE-2022WMP-16_7	On page 657, PG&E provides Table 7.3.5-2, which shows planned mileage of ground-based LIDAR on distribution facilities. Please supplement this table by: a)Adding a column for planned mileage of aerial LIDAR. b)Adding a row with data on actual mileage completed in 2021.	Dillon Copa Carolyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Inspections of Vegetation Around Distribution Electric Lines and
73	CalPA	Set WMP-16	CalAdvocates-PGE-2022WMP-16	8	CalAdvocate s-PGE-2022WMP-16_8	Section 7.3.5.8 of PG&E's 2022 WMP discusses remote sensing inspections of vegetation around transmission electric lines and equipment. a)Please describe the circumstances in which PG&E employs ground-based LIDAR inspections. b)Please describe the circumstances in which PG&E employs aerial	Dillon Copa Carolyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Inspections of Vegetation Around Transmission Electric Lines and
74	CalPA	Set WMP-16	CalAdvocates-PGE-2022WMP-16	9	CalAdvocate s-PGE-2022WMP-16_9	For Section 7.3.5.8 (regarding remote sensing on transmission facilities), please provide a table equivalent to Table 7.3.5-2, with the additions specified above in Question 7.	Dillon Copa Carolyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Inspections of Vegetation Around Transmission Electric Lines and
75	CalPA	Set WMP-16	CalAdvocates-PGE-2022WMP-16	10	CalAdvocate s-PGE-2022WMP-16_10	Table 12 of PG&E's 2022 WMP shows the costs for sections 7.3.5.2 and 7.3.5.3. a)Please explain why section 7.3.5.2 entails CAPEX and OPEX spending as opposed to only OPEX spending for 7.3.5.3. b)Please describe the capital expenditures planned in 2022 for section	Dillon Copa Carolyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	VM Spend
76	CalPA	Set WMP-16	CalAdvocates-PGE-2022WMP-16	11	CalAdvocate s-PGE-2022WMP-16_11	On March 2, 2022, PG&E presented its 2022 General Rate Case Volume Supplemental Testimony Overview. Slide 17 of this presentation includes the following chart, which appears to show a significant decrease in planned EVM spending from 2022 to 2023. a)Does PG&E expect to significantly reduce spending on EVM beginning	Dillon Copa Carolyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	EVM Spend
77	CalPA	Set WMP-16	CalAdvocates-PGE-2022WMP-16	12	CalAdvocate s-PGE-2022WMP-16_12	Table 3.3.1 of PG&E's 2022 WMP, June 3, 2021, showed a mileage target of 111 miles for initiative 7.3.3.17.2 "System Hardening - Transmission Conductor." Table PG&E-3.3-1(A) on page 267 of PG&E's 2022 WMP shows a mileage target of 32 miles for the same initiative. Please explain the reason for the decrease in the mileage target for this	Dillon Copa Carolyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.3	Grid Design and System Hardening	System Hardening - Transmission
78	OEIS	Set 005	OEIS-PG&E-22-005_1	1	OEIS-PG&E-22-005_1	Q01. Provide and describe the "EPSS Reliability Impact analysis" as mentioned on page 494 of PG&E's 2022 WMP Update.	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	1	7.3.3	Grid Design and System Hardening	EPSS Reliability Impact analysis
79	OEIS	Set 005	OEIS-PG&E-22-005_2	2	OEIS-PG&E-22-005_2	Q02. How many poles in PG&E's territory are subject to PRC 4292? a) How many of these poles does PG&E intend to inspect and work (as necessary) in 2022?	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	PRC 4292 Applicability
80	OEIS	Set 005	OEIS-PG&E-22-005_3	3	OEIS-PG&E-22-005_3	Q03. PG&E noted during the workshop that it has hired pre-inspectors as union employees. a) What percentage of pre-inspectors are contractors and what percentage are PG&E employees? b) How PG&E uses them? If the workshop had not hired pre-inspectors as	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Contractor/Employee Performance
80	OEIS	Set 005	OEIS-PG&E-22-005_3 REV	3 REV	OEIS-PG&E-22-005_3 REV	Q03. PG&E noted during the workshop that it has hired pre-inspectors as union employees. a) What percentage of pre-inspectors are contractors and what percentage are PG&E employees? b) How PG&E uses them? If the workshop had not hired pre-inspectors as	Kevin Miller	3/18/2022	4/1/2022	4/1/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Contractor/Employee Performance
81	OEIS	Set 005	OEIS-PG&E-22-005_4	4	OEIS-PG&E-22-005_4	Q04. Provide the key divisions in vegetation management that inform by inspection type completed in 2019, 2020, and 2021. This should include: a) Percentage of inspections with infractions found (e.g., under-trimming, over-trimming, missed hazard tree, improper clean-up etc.). b) According to section 7.3.3.17.2 of PG&E's 2022 WMP, PG&E describes, 4 programs fell short of targets. PG&E cites various reasons for the shortfall including resource constraints. How is PG&E:	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	1	7.3.5	Vegetation Management (VM) and Inspections	Quality Assurance/Quality Control of Vegetation
82	OEIS	Set 005	OEIS-PG&E-22-005_5	5	OEIS-PG&E-22-005_5	a) Addressing resource constraints for QA/QV? b) Addressing resource constraints for QA/QV? c) Addressing resource constraints for QA/QV? d) Addressing resource constraints for QA/QV?	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Quality Assurance/Quality Control of Vegetation
83	OEIS	Set 005	OEIS-PG&E-22-005_6	6	OEIS-PG&E-22-005_6	Q05. PG&E's 2022 WMP states that PG&E has a goal to complete 65 audits in 2022. Provide the number of audits PG&E plans to perform in 2022 for each QA/QV program: a) VM b) EPSS c) PRC	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Quality Assurance/Quality Control of Vegetation
84	OEIS	Set 005	OEIS-PG&E-22-005_7	7	OEIS-PG&E-22-005_7	Q06. PG&E's 2022 WMP states that PG&E has a goal to complete 65 audits in 2022. Provide the number of audits PG&E plans to perform in 2022 for each QA/QV program: a) VM b) EPSS c) PRC d) PRC	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	1	8	PSPS	Jan. 19, 2021 Event
85	OEIS	Set 005	OEIS-PG&E-22-005_8	8	OEIS-PG&E-22-005_8	Q07. PG&E's 2022 WMP states that PG&E has a goal to complete 65 audits in 2022. Provide the number of audits PG&E plans to perform in 2022 for each QA/QV program: a) VM b) EPSS c) PRC d) PRC	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	0	8	PSPS	Additional Detail
86	OEIS	Set 005	OEIS-PG&E-22-005_9	9	OEIS-PG&E-22-005_9	Q08. As reported in rate case 22, PG&E's increase in electric costs to ratepayer due to wildfire mitigation activities (total) is markedly higher than the ratepayer impact provided by PG&E's direct utility peers: -2021 for PG&E \$11.6, SCE \$1.60, and SDG&E \$0.00 -2022 for PG&E \$11.6, SCE \$1.60, and SDG&E \$0.00 -2023 for PG&E \$11.6, SCE \$1.60, and SDG&E \$0.00	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	0	3.2	Summary of Ratepayer impact	VM Spend
87	OEIS	Set 005	OEIS-PG&E-22-005_10	10	OEIS-PG&E-22-005_10	Q09. PG&E's 2022 WMP states that PG&E has a goal to complete 65 audits in 2022. Provide the number of audits PG&E plans to perform in 2022 for each QA/QV program: a) VM b) EPSS c) PRC d) PRC	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	1	7.3.6.8	EPSS	Ignition Trends
88	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	1	CalAdvocate s-PGE-2022WMP-17_1	7.3.6.8 "Protective equipment and device settings" are as follows: 2021: \$18.2 million (actual) 2022: \$142.6 million (projected) 2023: \$140.5 million (projected)	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.6.8	EPSS	EPSS Spend
89	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	2	CalAdvocate s-PGE-2022WMP-17_2	a) Please provide the duration of EPSS-related outages that you currently forecast to occur in 2022. Provide a range if a specific estimate is not available. b) Please provide an estimate for the average duration of EPSS-related outages that you currently forecast to occur in 2022. Provide a range if a	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.6.8	EPSS	EPSS-related outages
90	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	3	CalAdvocate s-PGE-2022WMP-17_3	a) When did PG&E first become aware of SCE's fast curve settings? b) How did PG&E first become aware of SCE's fast curve settings? c) How did PG&E first become aware of SCE's fast curve settings?	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.6.8	EPSS	Device settings
91	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	4	CalAdvocate s-PGE-2022WMP-17_4	a) Has PG&E engaged in benchmarking, data-sharing, or other collaboration with SCE with regards to PG&E's EPSS program? b) If the answers to parts (a) is yes, please describe the collaboration(s). c) If the answers to parts (a) is no, please explain why not.	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.6.8	EPSS	Benchmarking
92	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	5	CalAdvocate s-PGE-2022WMP-17_5	a) Has PG&E engaged in benchmarking, data-sharing, or other collaboration with SDG&E with regards to PG&E's EPSS program? b) If the answers to parts (a) is yes, please describe the collaboration(s). c) If the answers to parts (a) is no, please explain why not.	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.6.8	EPSS	Benchmarking
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	Holly Whermer 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.	Holly Whermer 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 SUPP	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.	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	4/1/2022	4/1/2022	0	7.3.3.6	Grid Design and System Hardening	Distribution Pole Replacement and Reinforcement, Including with Composite Poles
95	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	8	CalAdvocate s-PGE-2022WMP-17_8	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	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	4.6	Progress Reporting on Key Areas of Improvement	Additional Detail
96	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	9	CalAdvocate s-PGE-2022WMP-17_9	a) What is the average trench depth PG&E employs in undergrounding projects? b) Has PG&E examined the potential benefits or drawbacks of shallower trenches? c) Please explain your response to part (b).	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	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 the following information for 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 identifiers b) Crew ID	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/29/2022	3/29/2022	2	7.3.3.16	Grid Design and System Hardening	Undergrounding

98	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	11	CalAdvocate s-PGE-2022WMP-17_11	Please provide a map geocoded with a point 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	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/29/2022	3/29/2022	1		7.3.3.16	Grid Design and System Hardening	Undergrounding
99	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	12	CalAdvocate s-PGE-2022WMP-17_12	Per the table on page 270 of PG&E's 2022 WMP, in 2021 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 in 2022.	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0		7.3.4	Asset Management and Inspections	Detailed Inspections of Distribution Electric Lines and Equipment
100	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	13	CalAdvocate s-PGE-2022WMP-17_13	Per the table on page 270 of PG&E's 2022 WMP, in 2021 PG&E completed detailed distribution inspections on all assets in HFTD Tier 3 and Zone 1, and approximately one-third of assets in HFTD Tier 2. Please describe any changes to the above strategy for PG&E's detailed distribution inspections in 2022.	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	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 activities are performed on a random basis. Please provide a more detailed description of the methodology used for random selection.	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0		7.3.4.14	Asset Management and Inspections	Quality Assurance/Quality Control of Inspections
102	CalPA	Set WMP-17	CalAdvocates-PGE-2022WMP-17	15	CalAdvocate s-PGE-2022WMP-17_15	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 costs.	Holly Whermer Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0		7.3.4.1	Asset Management and Inspections	Quality Assurance/Quality Control of Inspections
103	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.	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..."	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 PSPPS. How does the existence of fires in or threatening the potential PSPPS 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. 265 PG&E describes its undergrounding efforts "including a small volume of previously hardened overhead lines that are being placed underground, and any other undergrounding work performed in HFTD or fire rebuild areas." How many miles of previously hardened lines are being 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 TN10634-0_20220225T144600_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-Q01Atch01CONF(T) 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. 785, PG&E states that its "Eli 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 Eli "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. 2_23	Please provide the 2022 reportable ignitions report, due to the CPUC on April 1, 2022. Due date for this data request is April 1, 2022.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0		N/A	Miscellaneous	Ignition Trends
128	MGRA	2	MGRA Data Request No. 2	24	MGRA Data Request No. 2_24	On p. 7.1.E-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. 2_25	In the data request response WMP-Discovery2022_DR_CalAdvocates_013-Q1Atch01.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. 2_26	On p. 631 PG&E states that its Tree Assessment Tool (TAT) incorporates "local wind gust data". Is the local wind gust data specific to fire weather conditions (such as a Diablo corridor) or does it include winter storm conditions?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0		7.3.5	Vegetation Management (VM) and Inspections	Additional Efforts to Manage Community and Environmental Impacts
131	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	1	CalAdvocate s-PGE-2022WMP-18_1	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 overhang clearing only; other activities previously included in the EVM scope of work are being moved to the 2023 WMP." Please provide the updated EVM scope of work.	Holly Whermer 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	CalAdvocate s-PGE-2022WMP-18_2	Question 16 shows a reduction of approximately \$412 million in projected total vegetation management expenditures from 2022 to 2023. 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 other activities? b) What are the covered conductor and strategic undergrounding activities?	Holly Whermer 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	CalAdvocate s-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 bare conductor?	Holly Whermer 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	CalAdvocate s-PGE-2022WMP-18_4	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. b) Please describe the QA/QV as used in PG&E-22-005, Question 7.	Holly Whermer 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	CalAdvocate s-PGE-2022WMP-18_5	On page 6 of PG&E's 2022 WMP, it states that the following attachments to its 2022 WMP: 2022-02-25_PGE_2022_WMP-Update_R0_Section 4.6_Remedies_5.4B_Atch02.xlsx 2022-02-25_PGE_2022_WMP-Update_R0_Section 4.6_Remedies_6.4B_Atch03.xlsx Please provide the response to issue 2.15 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 Whermer 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	CalAdvocate s-PGE-2022WMP-18_6	On page 6 of PG&E's 2022 WMP, it states that the following attachments to its 2022 WMP: 2022-02-25_PGE_2022_WMP-Update_R0_Section 4.6_Remedies_5.4B_Atch02.xlsx 2022-02-25_PGE_2022_WMP-Update_R0_Section 4.6_Remedies_6.4B_Atch03.xlsx Please provide the response to issue 2.15 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 Whermer Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0		7.3.4	Asset Management and Inspections	Additional Detail





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 inspectors 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 "N/A" 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 1.1)	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 'helwash" 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
232	OEIS	Set 10	OEIS-PG&E-22-010	2	OEIS-PG&E-22-010_2	Regarding PG&E's attachment CONFIDENTIAL_PGE_2022-WMP_Section_46_Remedies_2114_Atch01_CONF to the 2022 WMP Update: a. Concerning the project type "Community Wildfire Safety Program for projects aimed for 2022-2023": i. Describe this project type, including where more information about this project type is described within the 2022 WMP (or previous WMPs, if applicable). ii. How were the projects that fall under this project type selected and prioritized? iii. How does this project type overlap and/or align with risk model output? iv. Provide a percentage of projects under CWSP that align with the top 20% risk score output from the 2021 Wildfire Distribution Risk Model b. How does this project type differ from the following: Top 20% MAVF CPZ, Top 250 miles, and Top 50 Miles? Currently, this data is showing around 0.82 miles planned for undergrounding in 2024. i. Is this still accurate? ii. If not, provide the updated mileage. iii. If so, when does PG&E intend to select locations for additional undergrounding miles? iv. If locations are not currently selected, how is PG&E planning on expediting undergrounding for completion in 2024? v. Are the locations for grid hardening, as a whole, selected for 2024 (i.e., know the hardening location, but don't know the hardening initiative that will be used, UG vs. OH)? vi. If so, is it possible to provide an amended response including these	Kevin Miller	4/15/2022	4/20/2022	4/20/2022	0		4.6	Grid Design and System Hardening	System Hardening
233	OEIS	Set 10	OEIS-PG&E-22-010	3	OEIS-PG&E-22-010_3	On page 870, PG&E indicates potential reductions in PSPS event size in 2022 are expected to come from planned mitigations and "PG&E is currently still in the process of finalizing locations for certain 2022 mitigations but anticipates the following mitigations to come online in 2022. These include: - Distribution Sectionalizing Devices - Transmission Sectionalizing Devices - Temporary Distribution Microgrids - Distribution System Hardening - Fixed Power Solutions (FPS) In a footnote on the same page, PG&E indicates "Some mitigation programs require more than a year of lead time to execute. As a result, some of the mitigations expected to be available in 2022 were identified using earlier data, including the 2020 lookback." This would seem to indicate at least some selections would have had to have been made previously. a. When does PG&E plan to have these remaining locations finalized? b. Please provide currently available locations for those which have been finalized as a GIS file (.gdb)? c. How will it determine locations are in the highest risk areas for PSPS? d. For each of the above-listed mitigations, please provide a percentage of projects that align with top risk, defined as: i. The top 20% risk score output from the 2021 Wildfire Distribution Risk Model ii. PSPS Impacted Locations iii. Locations where risk has materialized	Kevin Miller	4/15/2022	4/20/2022	4/20/2022	1		8.1.4	PSPS	Future Plans
234	OEIS	Set 11	OEIS-PG&E-22-011	1	OEIS-PG&E-22-011_1	In response to the PSC's question to PG&E stating that it "utilized the decision tree presented in 2021 for the 2022 scope of work." a. Is this in reference to the decision-tree provided in response to PG&E-Remedy-21-14 as part of the 2021 WMP Progress Report? b. How and where does PG&E's risk modeling output inform decision-making in relation to the decision-tree discussed in part (a)? c. When was this decision-making process first implemented? d. How does this align and/or differ with the system hardening decision-making methodology presented on May 21, 2021, to the Wildfire Safety Division (titled PG&E's System Hardening Program)? e. What changes to PG&E's decision-making have been made since the March 29, 2022, WMP Update?	Kevin Miller	4/22/2022	4/27/2022	4/27/2022	1		7.3.3	Grid Design and System Hardening	Additional Detail
235	OEIS	Set 11	OEIS-PG&E-22-011	2	OEIS-PG&E-22-011_2	In targets for implementing sectionalization devices both at the distribution and transmission levels. For distribution, PG&E's targets decreased from 250 in 2021 to 100 in 2022. For transmission, PG&E's targets decreased from 300 in 2021 to 100 in 2022.	Kevin Miller	4/22/2022	4/27/2022	4/27/2022	0		7.3.3.8.1 7.3.3.8.2	Grid Design and System Hardening	Distribution & Transmission Line Sectionalizing
236	OEIS	Set 11	OEIS-PG&E-22-011	3	OEIS-PG&E-22-011_3	a. Please explain how PG&E has determined 1300 weather stations as its long-term goal for weather stations density. b. How many weather stations are currently in place?	Kevin Miller	4/22/2022	4/29/2022	4/29/2022	1		7.3.2.1.3	Situational Awareness and Forecasting	Weather monitoring
237	OEIS	Set 12	OEIS-PG&E-22-012	1	OEIS-PG&E-22-012_1	a. PG&E has modified its pole clearing program target to inspect and clear (where clearance is needed) all poles identified in PG&E's VM Database. b. How many poles are currently in the VM Database? c. How many poles are currently inspected and cleared? d. How many poles are currently not inspected and cleared? e. How many poles are currently not in the VM Database?	Kevin Miller	4/29/2022	5/4/2022	5/4/2022	0		7.3.5.2	Operations and Management Practices for Vegetation	Pole Clearing
238	OEIS	Set 12	OEIS-PG&E-22-012	2	OEIS-PG&E-22-012_2	a. How many customer complaints has PG&E received regarding EPSS since implementation in June 2021? Provide a breakdown of number by month. b. How many complaints have been resolved? c. How many complaints are currently open? d. How many complaints are currently in dispute?	Kevin Miller	4/29/2022	5/4/2022	5/4/2022	0		7.3.6.8	Grid Operations and Protocols	EPSS
239	OEIS	Set 12	OEIS-PG&E-22-012	3	OEIS-PG&E-22-012_3	a. Why does PG&E project an overall increase in ignitions from 2022 to 2023? b. Why does PG&E project a slight increase in overall ignitions for Tier 2 areas?	Kevin Miller	4/29/2022	5/4/2022	5/4/2022	0		6.7	Performance Metrics and Underlying Data	Recent and Projected Drivers of Ignition Probability

240	OEIS	Set 12	OEIS-PG&E-22-012	4	OEIS-PG&E-22-012.4	On page 99, under "Short-term improvements (2020-2022)", PG&E lists the vegetation management programs which will use the One VM Tool. Energy Safety acknowledges it defined "Future improvements to initiative" as "the next 5 years," i.e., 2022-2028 (2022 Guidelines, Attachment 2, page 24). Energy Safety should provide the details of these programs and how they will be implemented. The restoration team's activities leading up to re-energization, including "Determine if any Customer Owned Lines identified as being at risk are within the event footprint (both transmission and distribution) as detailed in Power Forward Plan, etc."	Kevin Miller	4/29/2022	5/4/2022	5/4/2022	0	7.3.5.19	Vegetation Management (VM) and Inspections	Vegetation Management Enterprise System
241	OEIS	Set 12	OEIS-PG&E-22-012	5	OEIS-PG&E-22-012.5	"Determine if any Customer Owned Lines identified as being at risk are within the event footprint (both transmission and distribution) as detailed in Power Forward Plan, etc."	Kevin Miller	4/29/2022	5/4/2022	5/4/2022	0	8.2.4	Protocols on PPS	Re-Energization Strategy
242	OEIS	Set 13	OEIS-PG&E-22-013	1	OEIS-PG&E-22-013_1	a. Provide all information in your possession, custody, or control, or the possession, custody, and/or control of your affiliates or agents, that is responsive to these data requests by the due date identified above.	Kevin Miller	5/6/2022	5/11/2022	5/11/2022	0	7.3.6.8	Grid Operations and Protocols	Protective Equipment and Device Settings
243	OEIS	Set 14	OEIS-PG&E-22-014	1	OEIS-PG&E-22-014.1	review to check for validation. PG&E previously conveyed that the WDRM V3 Validation Report would be published April 29, 2022. Energy Safety requests a copy of this report as soon as it is available.	Kevin Miller	5/13/2022	5/18/2022	5/18/2022	0	4.5	Model and Metric Calculation Methodologies	Wildfire Distribution Risk Model
244	OEIS	Set 14	OEIS-PG&E-22-014	2	OEIS-PG&E-22-014.2	Energy Safety requests to know whether PG&E includes the personnel costs related to WMP between 2021 and 2022. a. If so, please provide this cost differential information. i. Overall	Kevin Miller	5/13/2022	5/18/2022	5/18/2022	0	3.1	Actuals and Planned Spending for Mitigation Plan	Summary of WMP Initiative expenditures
245	OEIS	Set 14	OEIS-PG&E-22-014	3	OEIS-PG&E-22-014.3	a. Does PG&E have a plan and resources to hire 100 employees for North Counties and another 100 for Sonoma County for WMP implementation? b. To which departments or programs would these positions be allocated?	Kevin Miller	5/13/2022	5/18/2022	5/18/2022	0	N/A	N/A	N/A
246	OEIS	Set 14	OEIS-PG&E-22-014	4	OEIS-PG&E-22-014.4	a. Provide how many total Public Safety Specialist positions have been filled for the following years and the counties they were assigned to. i. 2020	Kevin Miller	5/13/2022	5/18/2022	5/18/2022	4	7.3.9	Emergency Planning and Preparedness	Additional Detail
247	OEIS	Set 14	OEIS-PG&E-22-014	5	OEIS-PG&E-22-014.5	in this discussion of its initiative 7.3.6.7 Protective Equipment and Device Settings (pp. 730-739) SCADA is not mentioned. a. Please discuss how SCADA is being implemented with EPSS enablement.	Kevin Miller	5/13/2022	5/18/2022	5/18/2022	1	7.3.6.8	Grid Operations and Protocols	Protective equipment and device settings
248	OEIS	Set 14	OEIS-PG&E-22-014	6	OEIS-PG&E-22-014.6	a. How many work orders within the HFTD in the past three years have decreased in priority levels? What percentage of total work orders within the HFTD in the past three years does this account for?	Kevin Miller	5/13/2022	5/18/2022	5/19/2022	1	7.3.4	Asset Management and Inspections	Additional Detail
Pre-Discovery 01	CalIPA	Set WMP-02	CalAdvocates-PGE-2022WMP-02	1	CalAdvocate s-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-Discovery 02	CalIPA	Set WMP-02	CalAdvocates-PGE-2022WMP-02	2	CalAdvocate s-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-Discovery 03	CalIPA	Set WMP-02	CalAdvocates-PGE-2022WMP-02	3	CalAdvocate s-PGE-2022WMP-02_3	Provide an excel table of all defects in the year 2021 from the energy Safety's Compliance Branch (or, previously, the CPUC's Wildfire Safety Division) (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-Discovery 04	CalIPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03	1	CalAdvocate s-PGE-2022WMP-03_1	"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-segments Supplemental for Q2	Alan Wehrman	12/17/2021	2/8/2022	2/10/2022	1	N/A	Miscellaneous	Additional Detail
Pre-Discovery 05	CalIPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03	2SUPP	CalAdvocate s-PGE-2022WMP-03_2SUPP	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	2/15/2022	2/15/2022	1	N/A	Miscellaneous	Additional Detail
Pre-Discovery 05	CalIPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03	2	CalAdvocate s-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-Discovery 06	CalIPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03	3	CalAdvocate s-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-Discovery 07	CalIPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03	4	CalAdvocate s-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 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-Discovery 08	CalIPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03	5	CalAdvocate s-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-Discovery 09	CalIPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03	6	CalAdvocate s-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-Discovery 10	CalIPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03	7	CalAdvocate s-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-Discovery 11	CalIPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03	8	CalAdvocate s-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-Discovery 12	CalIPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03	9	CalAdvocate s-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-Discovery 13	CalIPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03	10	CalAdvocate s-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 or	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0	7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discovery 14	CalIPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03	11	CalAdvocate s-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-Discovery 15	CalIPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03	12	CalAdvocate s-PGE-2022WMP-03_12	Please note that the geographic 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-Discovery 15	CalIPA	Set WMP-03	CalAdvocates-PGE-2022WMP-03	12 REV	CalAdvocate s-PGE-2022WMP-03_12_REV	Please note that the geographic 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-Discovery 16	CalIPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	1	CalAdvocate s-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 PPS event on the POU and its customers.	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	0	8	PPSP	Communication with Publicly-Owned Utilities
Pre-Discovery 17	CalIPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	2	CalAdvocate s-PGE-2022WMP-04_2	Provide a spreadsheet containing, as time requires, 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	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	1	7.1.F	Wildfire Mitigation Strategy	Wildfire Risk Data
Pre-Discovery 18	CalIPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	3	CalAdvocate s-PGE-2022WMP-04_3	Regarding your PPS circuit modeling capabilities, please describe your present circuit modeling capabilities with regard to PPS decision-making ("PPS 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 PPS thresholds. b) Please describe	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	0	8.1 and 8.2	PPSP	Additional Detail
Pre-Discovery 19	CalIPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	4	CalAdvocate s-PGE-2022WMP-04_4	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	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	CalIPA	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 explanation of the	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	CalIPA	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 explanation of the	Alan Wehrman	12/17/2021	3/11/2022	3/4/2022	1	N/A	Miscellaneous	Additional Detail
Pre-Discovery 20	CalIPA	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 explanation of the	Alan Wehrman	12/17/2021	3/14/2022 (Noon)	3/14/2022	1	N/A	Miscellaneous	Additional Detail
Pre-Discovery 21	CalIPA	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 capital 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 explanation of the	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



