

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

Count	Party Name	Data Set	Data Request	Question No.	Question ID	Question Text	Requestor	Date Rec'd	Final Due Date	Date Sent	Number of Atchs	NDA Required	WMP Section	Category	Subcategory
1	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	1	CalAdvocate s-PGE-2022WMP-12_1	In response to Data Request CalAdvocates-PGE-2022WMP-03, Question 5, PG&E stated with regard to detailed ground inspections of transmission towers, "The average number of inspections completed over the year in 2021 was 10.9 for contractors and 7.6 for PG&E staff." 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 For desktop Quality Control reviews of transmission tower 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		7.3.4.2	Asset Management and Inspections	Detailed Inspections of Transmission electric lines and equipment
2	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	2	CalAdvocate s-PGE-2022WMP-12_2	In response to Data Request CalAdvocates-PGE-2022WMP-03, Questions 9-11, PG&E responded that "PG&E's search of LC tags issued as a result of both desktop and field Quality Control reviews did not identify any Priority A or Priority B LC tags issued" for For desktop Quality Control reviews of transmission tower inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	1		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
3	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	3	CalAdvocate s-PGE-2022WMP-12_3	For desktop Quality Control reviews of transmission tower inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
4	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	4	CalAdvocate s-PGE-2022WMP-12_4	For desktop Quality Control reviews of transmission detailed ground inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
5	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	5	CalAdvocate s-PGE-2022WMP-12_5	For field Quality Control reviews of transmission climbing inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
6	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	6	CalAdvocate s-PGE-2022WMP-12_6	For field Quality Control reviews of transmission drone inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
7	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	7	CalAdvocate s-PGE-2022WMP-12_7	For field Quality Control reviews of transmission detailed ground inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
8	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	8	CalAdvocate s-PGE-2022WMP-12_8	In response to Data Request CalAdvocates-PGE-2022WMP-08, 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 no mistakes and 20% of inspections resulted in a "Failed Review." 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
9	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	9	CalAdvocate s-PGE-2022WMP-12_9	For Desktop Quality Control reviews of detailed distribution inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
10	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	10	CalAdvocate s-PGE-2022WMP-12_10	For Field Quality Control reviews of detailed distribution inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
11	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	11	CalAdvocate s-PGE-2022WMP-12_11	In response to Data Request CalAdvocates-PGE-2022WMP-04, Question 2, PG&E stated that "The requested information is provided in PG&E's 2022 WMP in Section 7.1.F. PG&E is providing attachment "WMP-Discovery2022_DR_CalAdvocates_004-Q02Atch01.zip" which has been prepared with the same information in the 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	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.1.F	Wildfire Mitigation Strategy	Wildfire Risk Data
12	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	12	CalAdvocate s-PGE-2022WMP-12_12	The file "WMP_section_71F.gdb" submitted with PG&E's 2022 WMP contains a layer titled "WMP_section_71F_Distribution_Wildfire_Risk." This layer has the following attributes: OBJECTID	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	1		7.1.F	Wildfire Mitigation Strategy	Wildfire Risk Data
13	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	13	CalAdvocate s-PGE-2022WMP-12_13	In response to Data Request CalAdvocates-PGE-2022WMP-04, Question 10, PG&E stated, "At this time, the program cannot forecast with accuracy the split of the 2022 budget forecast into Covered Conductor, Underground, and Line Removal."	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.3.17.1	Grid Design and System Hardening	Updates to grid topology to minimize risk of ignition in HFTDs, System Hardening, Distribution
14	CalPA	Set WMP-12	CalAdvocates-PGE-2022WMP-12	14	CalAdvocate s-PGE-2022WMP-12_14	In response to Data Request CalAdvocates-PGE-2022WMP-08, Question 7, PG&E stated, "We did not change the priority of the corrective notification during the period of February 19, 2020 to June 16, 2021 because none of the inspectors who reviewed this PG&E's 2021 Q4 Quarterly Initiative Update states the following regarding 2021 WMP Initiative 7.3.3.17.4 Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter: The current REFCL pilot project at Calistoga experienced unsuccessful technology integration and implementation in 2021. What is the status of the REFCL program as of the issuance date of this DR? b) Does PG&E plan to continue the REFCL program? c) If the answer to subpart (b) is "yes", please describe PG&E's current plans (with specific project timelines and milestones) for the REFCL program."	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0		7.3.3.12.4	Grid Design and System Hardening	Other corrective action, Maintenance, Distribution
15	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	1	CalAdvocate s-PGE-2022WMP-13_1	PG&E's 2021 Q4 Quarterly Initiative Update states the following regarding 2021 WMP Initiative 7.3.3.17.4 Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter: The current REFCL pilot project at Calistoga experienced unsuccessful technology integration and implementation in 2021. What is the status of the REFCL program as of the issuance date of this DR? b) Does PG&E plan to continue the REFCL program? c) If the answer to subpart (b) is "yes", please describe PG&E's current plans (with specific project timelines and milestones) for the REFCL program."	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	1		7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
16	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	2	CalAdvocate s-PGE-2022WMP-13_2	PG&E's 2021 Q4 Quarterly Initiative Update states the following regarding 2021 WMP Initiative 7.3.3.17.4 Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter: The current REFCL pilot project at Calistoga experienced unsuccessful technology integration and implementation in 2021. What is the status of the REFCL program as of the issuance date of this DR? b) Does PG&E plan to continue the REFCL program? c) If the answer to subpart (b) is "yes", please describe PG&E's current plans (with specific project timelines and milestones) for the REFCL program."	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	0		7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
17	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	3	CalAdvocate s-PGE-2022WMP-13_3	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 installation at Calistoga in 2022. 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. PG&E's 2022 WMP states: After the initial positive tests, the Calistoga REFCL pilot demonstration was stalled due to the failure of the substation REFCL equipment. In addition, PG&E had difficulty obtaining replacement equipment from various overseas suppliers due to supply chain issues. PG&E is currently working to obtain replacement equipment from various suppliers and is evaluating options for equipment sourcing. PG&E's 2022 WMP states: a) How effective is REFCL compared to covered conductor installation in reducing wildfire risks? b) Please provide any available supporting documentation regarding your response to subpart (a) above. c) How effective is REFCL compared to undergrounding in reducing wildfire risks? 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 equipment. PG&E's 2022 WMP provides 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's Test Year 2023 General Rate Case Testimony, Exhibit PG&E-4, 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 Regarding these two 2022 WMP initiatives: • 7.3.3.17.4 – Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter1 • 7.3.3.17.4 – Protective Equipment and Device Settings" 12	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	0		7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
18	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	4	CalAdvocate s-PGE-2022WMP-13_4	PG&E's 2021 Q4 Quarterly Initiative Update states the following regarding 2021 WMP Initiative 7.3.3.17.4 Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter: The current REFCL pilot project at Calistoga experienced unsuccessful technology integration and implementation in 2021. What is the status of the REFCL program as of the issuance date of this DR? b) Does PG&E plan to continue the REFCL program? c) If the answer to subpart (b) is "yes", please describe PG&E's current plans (with specific project timelines and milestones) for the REFCL program."	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	0		7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
19	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	5	CalAdvocate s-PGE-2022WMP-13_5	PG&E's 2021 Q4 Quarterly Initiative Update states the following regarding 2021 WMP Initiative 7.3.3.17.4 Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter: The current REFCL pilot project at Calistoga experienced unsuccessful technology integration and implementation in 2021. What is the status of the REFCL program as of the issuance date of this DR? b) Does PG&E plan to continue the REFCL program? c) If the answer to subpart (b) is "yes", please describe PG&E's current plans (with specific project timelines and milestones) for the REFCL program."	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	0		7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
20	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	6	CalAdvocate s-PGE-2022WMP-13_6	PG&E's 2021 Q4 Quarterly Initiative Update states the following regarding 2021 WMP Initiative 7.3.3.17.4 Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter: The current REFCL pilot project at Calistoga experienced unsuccessful technology integration and implementation in 2021. What is the status of the REFCL program as of the issuance date of this DR? b) Does PG&E plan to continue the REFCL program? c) If the answer to subpart (b) is "yes", please describe PG&E's current plans (with specific project timelines and milestones) for the REFCL program."	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	0		7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
21	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	7	CalAdvocate s-PGE-2022WMP-13_7	PG&E's 2021 Q4 Quarterly Initiative Update states the following regarding 2021 WMP Initiative 7.3.3.17.4 Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter: The current REFCL pilot project at Calistoga experienced unsuccessful technology integration and implementation in 2021. What is the status of the REFCL program as of the issuance date of this DR? b) Does PG&E plan to continue the REFCL program? c) If the answer to subpart (b) is "yes", please describe PG&E's current plans (with specific project timelines and milestones) for the REFCL program."	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	0		7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
22	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	8	CalAdvocate s-PGE-2022WMP-13_8	PG&E's 2021 Q4 Quarterly Initiative Update states the following regarding 2021 WMP Initiative 7.3.3.17.4 Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter: The current REFCL pilot project at Calistoga experienced unsuccessful technology integration and implementation in 2021. What is the status of the REFCL program as of the issuance date of this DR? b) Does PG&E plan to continue the REFCL program? c) If the answer to subpart (b) is "yes", please describe PG&E's current plans (with specific project timelines and milestones) for the REFCL program."	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	0		7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
23	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	9	CalAdvocate s-PGE-2022WMP-13_9	PG&E's 2021 Q4 Quarterly Initiative Update states the following regarding 2021 WMP Initiative 7.3.3.17.4 Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter: The current REFCL pilot project at Calistoga experienced unsuccessful technology integration and implementation in 2021. What is the status of the REFCL program as of the issuance date of this DR? b) Does PG&E plan to continue the REFCL program? c) If the answer to subpart (b) is "yes", please describe PG&E's current plans (with specific project timelines and milestones) for the REFCL program."	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	0		7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
24	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	10	CalAdvocate s-PGE-2022WMP-13_10	PG&E's 2021 Q4 Quarterly Initiative Update states the following regarding 2021 WMP Initiative 7.3.3.17.4 Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter: The current REFCL pilot project at Calistoga experienced unsuccessful technology integration and implementation in 2021. What is the status of the REFCL program as of the issuance date of this DR? b) Does PG&E plan to continue the REFCL program? c) If the answer to subpart (b) is "yes", please describe PG&E's current plans (with specific project timelines and milestones) for the REFCL program."	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	0		7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
25	CalPA	Set WMP-13	CalAdvocates-PGE-2022WMP-13	11	CalAdvocate s-PGE-2022WMP-13_11	PG&E's 2021 Q4 Quarterly Initiative Update states the following regarding 2021 WMP Initiative 7.3.3.17.4 Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter: The current REFCL pilot project at Calistoga experienced unsuccessful technology integration and implementation in 2021. What is the status of the REFCL program as of the issuance date of this DR? b) Does PG&E plan to continue the REFCL program? c) If the answer to subpart (b) is "yes", please describe PG&E's current plans (with specific project timelines and milestones) for the REFCL program."	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	1		7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
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 E (Vegetation Management) it is apparent that PG&E is building a granular, frequently updated inventory (Capability 21) and moving towards using "predictive modeling of vegetation growth" to schedule vegetation inspections (E.II.c). However, PG&E still (and will as of Jan 1, 2023) schedule VM inspections based on annual or periodic schedules (E.II.b) and determine	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	Concerning Maturity Survey question E.IV.c, why is PG&E not using ignition and propagation risk modeling to guide clearances around lines and equipment? a)How does and will PG&E's ignition and propagation risk modeling guide clearances? b)When?	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	In data request OEIS-PG&E-22-002, Energy Safety asked PG&E to answer 41 2022 Maturity Survey questions it said it benchmarked through consultation with other utilities in 2022 by the same standard of interpretation it used to answer the same 41 questions in 2021 and 2020. In its response, PG&E indicated that "We cannot, however, go back in time to determine how we would have answered the same question in 2020 or 2021 in light of changes that have occurred since that time." Energy Safety understands that PG&E cannot go back in time to change its answers from 2021 or 2020, and that other factors have changed, however Energy Safety is asking PG&E to answer those questions in the same way in 2022 as they did in 2021 and 2020 in order to understand the true progression of PG&E's maturity not attributed to re-interpretation of questions. Prior to benchmarking its 2022 answers with other utilities and re-interpreting these questions, what was PG&E's answer to those questions? On Pg. 430 of PG&E's 2022 WMP, table 7.3.3.1 highlights the average time it takes PG&E to complete a system hardening project that spans 1-2 miles.	Kevin Miller	3/4/2022	3/10/2022	3/10/2022	0	N/A	Miscellaneous	Maturity Survey
31	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	1	CalAdvocate s-PGE-2022WMP-14_1	a)Please provide a list of all types of system hardening projects that are completed. Pg. 435 of your 2022 WMP Update states, "The table represents base overhead System Hardening projects after scoping is completed. As mentioned above, Fire Rebuild occurs on a faster cycle." Therefore, please disaggregate table	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.3	Grid Design and System Hardening	Covered Conductor Installation
32	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	2	CalAdvocate s-PGE-2022WMP-14_2	On Pg. 442 of PG&E's 2022 WMP, PG&E states, "In 2021, PG&E identified and completed repairs or replacements of approximately 10,946 deteriorated crossarms."	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.3	Grid Design and System Hardening	Covered Conductor Installation
33	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	3	CalAdvocate s-PGE-2022WMP-14_3	a)Please provide a .gdb spatial file showing where PG&E replaced 16,359 poles and reinforced 3,012 poles."	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	1	7.3.3.5	Grid Design and System Hardening	Crossarm Maintenance, Repair and Replacement
34	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	4	CalAdvocate s-PGE-2022WMP-14_4	a)Please provide a .gdb spatial file showing where PG&E replaced poles. b)Please provide a .gdb spatial file showing where PG&E reinforced poles.	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	1	7.3.3.6	Grid Design and System Hardening	Distribution Pole Replacement
35	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	5	CalAdvocate s-PGE-2022WMP-14_5	On Pg. 451 of PG&E's 2022 WMP, PG&E states, "Recently, moisture intrusion issues have been identified in some of the "Viper" branded reclosers that have been installed on the PG&E system. After significant rains in the fall of 2021, this issue, which impacts the functionality but not the safety of the reclosers, was identified in the field." On Pg. 452 of PG&E's 2022 WMP, PG&E states, "We achieved our 2021 target to install 29 switches by September 1, 2021. In addition, we installed 12 T-Line SCADA switches benefiting PPS operations after September 1, 2021, for a total of 41 switches."	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.8.1	Grid Design and System Hardening	Distribution Line Sectionalizing
36	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	6	CalAdvocate s-PGE-2022WMP-14_6	On Pg. 514 of PG&E's 2022 WMP, PG&E states, "PG&E switched vendors for this work in 2021. Contracts took longer than expected and the new vendor had to complete an extensive pilot to establish a solid foundation based on high quality pole loading calculations."	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	2	7.3.3.8.2	Grid Design and System Hardening	Transmission Line Sectionalizing
37	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	7	CalAdvocate s-PGE-2022WMP-14_7	a)What lessons did PG&E learn about staging temporary weather conditions in 2021, none of the substations where generation was staged were utilized in the 2021 PPS season."	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.11.1	Grid Design and System Hardening	Generation for PPS Mitigation
38	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	8	CalAdvocate s-PGE-2022WMP-14_8	On Pg. 517 of PG&E's 2022 WMP, PG&E states, "PG&E completed 32 circuit-miles of transmission system hardening in 2022."	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	2	7.3.3.13	Grid Design and System Hardening	Pole Loading Infrastructure Hardening and Replacement
39	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	9	CalAdvocate s-PGE-2022WMP-14_9	a)Please disaggregate these circuit-miles of transmission hardening into the following types: bare-wire overhead hardening, conductor removal, other	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.17.2	Grid Design and System Hardening	System Hardening - Transmission
40	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	10	CalAdvocate s-PGE-2022WMP-14_10	On Pg. 564 of PG&E's 2022 WMP regarding Remote Grid Standalone Power Systems (SPS), PG&E states, "The program expects to grow from 1 SPS unit deployed in 2021 to 2 SPS units deployed in 2022 and on towards approximately 15 projects in 2023, followed by additional growth in the overall number of systems deployed annually in 2024-2025."	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.17.5	Grid Design and System Hardening	Remote Grid
41	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	11	CalAdvocate s-PGE-2022WMP-14_11	On Pg. 567 of PG&E's 2022 WMP, PG&E uses three different terms, "trench miles", "circuit miles" and "underground miles". a)Please define each of these terms. b)How does each term differ from one another? c)Please provide a conversion between these units of measurement.	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.17.6	Grid Design and System Hardening	Butte County Rebuild Program
42	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	12	CalAdvocate s-PGE-2022WMP-14_12	On Pg. 567 of PG&E's 2022 WMP, PG&E states, "This figure does not include a small volume (approximately 1.4 circuit miles) of previously hardened overhead lines that were placed underground." a)How many circuit-miles total (including non-Butte rebuild miles) were previously hardened overhead and were placed underground?	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.17.6	Grid Design and System Hardening	Butte County Rebuild Program
43	CalPA	Set WMP-14	CalAdvocates-PGE-2022WMP-14	13	CalAdvocate s-PGE-2022WMP-14_13	11, Question 3, PG&E provided its 2021 system hardening workplan, updated with the actual work performed in 2021. This workplan lists the circuit name associated with each system hardening order but does not list the circuit protection zone. Please provide an updated version of this spreadsheet.	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	1	7.3.3.17	Grid Design and System Hardening	System Hardening
44	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	1	CalAdvocate s-PGE-2022WMP-15_1	PG&E's responses to Data Request CalAdvocates-PGE-2022WMP-10, Questions 1-3, are summarized in the following table: Tree Attachments Existing as of 2/1/2022	Holly Wehrman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.3	Grid Design and System Hardening	Tree Attachments
45	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	2	CalAdvocate s-PGE-2022WMP-15_2	a) Does PG&E consider tree attachments to be a significant wildfire risk factor? Please explain your answer. b) Does PG&E analyze and 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	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	3	CalAdvocate s-PGE-2022WMP-15_3	In response to Data Request CalAdvocates-PGE-2022WMP-10, Question 9, PG&E provided its Quality Reviews of the potential exceptions identified in the Federal Monitor Report from November 19, 2021.	Holly Wehrman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.4.14	Asset Management and Inspections	Quality Assurance/Quality Control of Inspections
47	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	4	CalAdvocate s-PGE-2022WMP-15_4	In response to Data Request CalAdvocates-PGE-2022WMP-10, Question 9, PG&E provided its Quality Reviews of the potential exceptions identified in the Federal Monitor Report from November 19, 2021.	Holly Wehrman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.4.14	Asset Management and Inspections	Quality Assurance/Quality Control of Inspections
48	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	5	CalAdvocate s-PGE-2022WMP-15_5	Page 129 of PG&E's 2022 WMP states the following: Finally, it is important to note that in this 2022 WMP, the model that is used for the development of workplans for the distribution system is the 2021 WDRM v2 which is described in response to Data Request CalAdvocates-PGE-2022WMP-04, Question 8, PG&E provided its distribution system hardening workplan for 2022. Column P of attachment "WMP-Discover2022_DR_CalAdvocates_004_008Attch01.xlsx" lists Page 140 of PG&E's 2022 WMP states the following:	Holly Wehrman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	4.5	Model and Metric Calculation Methodologies	Wildfire Distribution Risk Model
49	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	6	CalAdvocate s-PGE-2022WMP-15_6	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 the 2022 WMP submission, E3's review of 2022 WDRM v3 and WFC Model has not been completed."	Holly Wehrman Carolyn Chen Layla Labagh	3/11/2022	3/16/2022	3/16/2022	0	7.3.3.17.1	Grid Design and System Hardening	System Hardening - Distribution
50	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	7	CalAdvocate s-PGE-2022WMP-15_7	a) When does PG&E expect this review to be complete? b) Does PG&E have any plans to update the WDRM v3 model? c) Does PG&E have any plans to update the 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
51	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	8	CalAdvocate s-PGE-2022WMP-15_8	In response to Data Request CalAdvocates-PGE-2022WMP-10, Question 13, PG&E refers to the Progress Report it filed on November 1, 2021.	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
52	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	9	CalAdvocate s-PGE-2022WMP-15_9	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
53	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	10	CalAdvocate s-PGE-2022WMP-15_10	PG&E's response to data request CalAdvocates-PGE-2022WMP-09, Question 1, shows three open Priority A corrective notifications on PG&E's distribution system in HFTD with "Authorized End Dates" earlier than February 1, 2022.	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
54	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	11	CalAdvocate s-PGE-2022WMP-15_11	PG&E's response to data request CalAdvocates-PGE-2022WMP-09, Question 1, shows 785 open Priority B corrective notifications on PG&E's distribution system in HFTD with "Authorized End Dates" earlier than February 1, 2022.	Holly Wehrman Carolyn Chen Layla Labagh	3/11/2022	3/18/2022	3/18/2022	0	7.3.4	Asset Management and Inspections	Additional Detail - Distribution
55	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	12	CalAdvocate s-PGE-2022WMP-15_12	PG&E's response to data request CalAdvocates-PGE-2022WMP-09, Question 1, shows 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 Regarding PG&E's response to data request CalAdvocates-PGE-2022WMP-09:	Holly Wehrman Carolyn Chen Layla Labagh	3/11/2022	3/18/2022	3/18/2022	0	7.3.4	Asset Management and Inspections	Additional Detail - Distribution
56	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	13	CalAdvocate s-PGE-2022WMP-15_13	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	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
57	CalPA	Set WMP-15	CalAdvocates-PGE-2022WMP-15	14	CalAdvocate s-PGE-2022WMP-15_14		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

106	MGRA	2	MGRA Data Request No. 2	2	MGRA Data Request No. 2	Please provide data for all ignitions that occurred while EPSS was active on a	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	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	On p. 860, Figure PG&E 5.1-3, guideline categories are shown for Asset.	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	On p. 906, PG&E describes its decision-making process for PSPS. How does the	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	On page 8, PG&E discusses "new modeling" for ignition risk. Please provide the	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	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	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	On page 129, Figure PG&E-4.5.1-3, 2022 WDRM v3 COMPOSITE MODEL	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	Please include in the WDRM v3 model the GBC fire sizes against final	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	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	On p. 189, PG&E states that the IPW model uses the Cat Boost Machine Learning model. What implementation of the Cat Boost Machine	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	On p. 189, PG&E states that with its IPW model "Operational Meteorologists used the dashboard to evaluate model performance against	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	On p. 189, PG&E describes its undergrounding efforts including a small volume	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	Are the reviews of star, management, or executives in any way tied to targets related to the successful completion of	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	0_20220225T144600_Section_71H_Atch01_WorkMaps, PG&E provides a map for the vendor for Utility Assets	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	Discovery2022_DR_CalAdvocates_003-001Atch01.CONF.01	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	Discovery2022_DR_CalAdvocates_003-001Atch01.CONF.01	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	7.3.2	Awareness and Forecasting	Additional Data	
122	MGRA	2	MGRA Data Request No. 2	18	MGRA Data Request No. 2	On how many weather stations is 30 second weather observations collected?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	7.3.2	Awareness and Forecasting	Additional Data	
123	MGRA	2	MGRA Data Request No. 2	19	MGRA Data Request No. 2	On p. 304 PG&E states that "the phase and magnitude of the Madden-Julian	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	7.3.2	Awareness and Forecasting	Additional Data	
124	MGRA	2	MGRA Data Request No. 2	20	MGRA Data Request No. 2	On p. 304 PG&E states that "the phase and magnitude of the Madden-Julian	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	
125	MGRA	2	MGRA Data Request No. 2	21	MGRA Data Request No. 2	On p. 304 PG&E states that "the phase and magnitude of the Madden-Julian	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	On p. 304 PG&E states that "the phase and magnitude of the Madden-Julian	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	MGRA Data Request No. 2	23 Followup, not Supp.	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 Followup, not Supp.	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 Followup, not Supp.	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 Followup, not Supp.	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	MGRA Data Request No. 2	26 Followup, not Supp.	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	
131	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	1	CalAdvocates-PGE-2022WMP-18	2022WMP-18, Question 11 referred to Exhibit PG&E-4 from PG&E's February 20, 2022 GBC Update.	Holly Whermerman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Additional Detail	
132	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	2	CalAdvocates-PGE-2022WMP-18	2022WMP-18, Question 16 shows a reduction of approximately \$12 million in projected total vegetation	Holly Whermerman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.5	Vegetation Management (VM) and Inspections	VM Spend	
133	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	3	CalAdvocates-PGE-2022WMP-18	2022WMP-18, Question 16 shows a reduction of approximately \$12 million in projected total vegetation	Holly Whermerman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.3	Grid Design and System Hardening	Service Life of Assets	
134	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	4	CalAdvocates-PGE-2022WMP-18	2022WMP-18, Question 16 shows a reduction of approximately \$12 million in projected total vegetation	Holly Whermerman 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	
135	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	5	CalAdvocates-PGE-2022WMP-18	2022WMP-18, Question 16 shows a reduction of approximately \$12 million in projected total vegetation	Holly Whermerman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.4	Asset Management and Inspections	Additional Detail	
136	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	6	CalAdvocates-PGE-2022WMP-18	2022WMP-18, Question 16 shows a reduction of approximately \$12 million in projected total vegetation	Holly Whermerman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.4	Asset Management and Inspections	Additional Detail	
137	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	7	CalAdvocates-PGE-2022WMP-18	2022WMP-18, Question 16 shows a reduction of approximately \$12 million in projected total vegetation	Holly Whermerman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.4	Asset Management and Inspections	Additional Detail	
138	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	8	CalAdvocates-PGE-2022WMP-18	2022WMP-18, Question 16 shows a reduction of approximately \$12 million in projected total vegetation	Holly Whermerman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	2	7.3.5	Vegetation Management (VM) and Inspections	Emergency Response	
139	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	9	CalAdvocates-PGE-2022WMP-18	2022WMP-18, Question 16 shows a reduction of approximately \$12 million in projected total vegetation	Holly Whermerman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Remote Sensing Inspections of	
140	CalPA	Set WMP-18	CalAdvocates-PGE-2022WMP-18	10	CalAdvocates-PGE-2022WMP-18	2022WMP-18, Question 16 shows a reduction of approximately \$12 million in projected total vegetation	Holly Whermerman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Vegetation Around	
141	CalPA	Set WMP-19	CalAdvocates-PGE-2022WMP-19	1	CalAdvocates-PGE-2022WMP-19	2022WMP-19, Question 6, states, "GBL scanning costs are approximately \$400 per mile, including scanning data.	Holly Whermerman Carolyn Chen Layla Labagh	3/25/2022	3/31/2022	3/31/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail	
142	CalPA	Set WMP-19	CalAdvocates-PGE-2022WMP-19	2	CalAdvocates-PGE-2022WMP-19	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Holly Whermerman Carolyn Chen Layla Labagh	3/25/2022	3/31/2022	3/31/2022	1	7.3.3	Grid Design and System Hardening	Additional Detail	
143	OEIS	Set 007	OEIS-PG&E-22-007	1	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	8	PSPS	Additional Detail	
144	OEIS	Set 007	OEIS-PG&E-22-007	2	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	N/A	Miscellaneous	Maturity Survey	
145	OEIS	Set 007	OEIS-PG&E-22-007	3	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	N/A	Miscellaneous	Maturity Survey	
146	OEIS	Set 007	OEIS-PG&E-22-007	4	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	N/A	Miscellaneous	Maturity Survey	
147	OEIS	Set 007	OEIS-PG&E-22-007	5	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	3/31/2022	3/31/2022	1	7.3.3	Grid Design and System Hardening	EPSS Reliability Impact analysis	
148	OEIS	Set 007	OEIS-PG&E-22-007	6	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections	
148	OEIS	Set 007	OEIS-PG&E-22-007	6 REV	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	4/1/2022	4/1/2022	0	7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections	
149	OEIS	Set 007	OEIS-PG&E-22-007	7	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	4/8/2022	4/8/2022	1	7.3.4.14	Asset Management and Inspections	Detailed Inspections of Transmission Electric Lines and Equipment	
150	OEIS	Set 007	OEIS-PG&E-22-007	8	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.3	Grid Design and System Hardening	Additional Detail	
151	OEIS	Set 007	OEIS-PG&E-22-007	9	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	4.5	Model and Metric Calculation Methodologies	Wildfire Distribution Risk Model	
151	OEIS	Set 007	OEIS-PG&E-22-007	9 SUPP	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	TBD		4.5	Model and Metric Calculation Methodologies	Wildfire Distribution Risk Model		
152	OEIS	Set 007	OEIS-PG&E-22-007	10	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.3	Grid Design and System Hardening	Vibration Susceptibility	
153	OEIS	Set 007	OEIS-PG&E-22-007	11	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	1	7.3.3	Grid Design and System Hardening	Additional Detail	
154	OEIS	Set 007	OEIS-PG&E-22-007	12	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	3	7.3.3	Grid Design and System Hardening	Covered Conductor Maintenance	
155	OEIS	Set 007	OEIS-PG&E-22-007	13	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	1	7.3.1	Risk Assessment and Mapping	Additional Detail	
156	OEIS	Set 007	OEIS-PG&E-22-007	14	OEIS-PG&E-22-007	2022WMP-19 Atch01.xlsx' (with changes to the attachment	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail	

157	OEIS	Set 007	OEIS-PG&E-22-007	15	OEIS-PG&E-22-007_15	PG&E's response to WMP-Discovery2022_DR_OEIS_002-007, PG&E states that they "are also reviewing and updating the 2022 WMP Update. Public issues are being tracked (B&E) via a system that is currently under development. PG&E states that it will make voluntary mitigations on 30 EPSS capable circuits in the HFTD areas, HFRA and non HFTD utility zones based on highest utility distribution space (UDS) program and sets a target of 7,000 distribution poles in the HFTD.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
158	OEIS	Set 007	OEIS-PG&E-22-007	16	OEIS-PG&E-22-007_16	PG&E states that it will make voluntary mitigations on 30 EPSS capable circuits in the HFTD areas, HFRA and non HFTD utility zones based on highest utility distribution space (UDS) program and sets a target of 7,000 distribution poles in the HFTD.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.3	Grid Design and System Hardening	Additional Detail
159	OEIS	Set 007	OEIS-PG&E-22-007	17	OEIS-PG&E-22-007_17	PG&E states that it will make voluntary mitigations on 30 EPSS capable circuits in the HFTD areas, HFRA and non HFTD utility zones based on highest utility distribution space (UDS) program and sets a target of 7,000 distribution poles in the HFTD.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	N/A	EPSS	Additional Detail
160	OEIS	Set 007	OEIS-PG&E-22-007	18	OEIS-PG&E-22-007_18	PG&E states that it will make voluntary mitigations on 30 EPSS capable circuits in the HFTD areas, HFRA and non HFTD utility zones based on highest utility distribution space (UDS) program and sets a target of 7,000 distribution poles in the HFTD.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	1	7.3.5	Vegetation Management (VM) and Inspections	Vegetation Management to Achieve Clearances
161	OEIS	Set 007	OEIS-PG&E-22-007	19	OEIS-PG&E-22-007_19	PG&E projects reductions in scale, scope and frequency in 2022 and 2023 based on mitigations and improved protocols regarding section 7.3.2.5.3 weather stations.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	8	PSPS	Additional Detail
162	OEIS	Set 007	OEIS-PG&E-22-007	20	OEIS-PG&E-22-007_20	a) How many of PG&E's weather stations have been upgraded to five readings at 10 to 20 second intervals?	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.2	Situational Awareness and Forecasting	Weather Stations
163	OEIS	Set 007	OEIS-PG&E-22-007	21	OEIS-PG&E-22-007_21	a) Please describe how PG&E interprets span based on the response to Maturity Survey question B.ii.c.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	N/A	Miscellaneous	Maturity Survey
164	OEIS	Set 007	OEIS-PG&E-22-007	22	OEIS-PG&E-22-007_22	a) Please describe what PG&E needs to do to improve regarding safety and Infrastructure Protection Teams (SIPT) in section 7.3.2.5.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	N/A	Miscellaneous	Maturity Survey
165	OEIS	Set 007	OEIS-PG&E-22-007	23	OEIS-PG&E-22-007_23	Regarding DTS FAST on Page 874.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.2	Situational Awareness and Forecasting	Personnel Monitoring Areas of Electric Lines and
166	OEIS	Set 007	OEIS-PG&E-22-007	24	OEIS-PG&E-22-007_24	Was the prototype field test installation at the Santa Cruz site able to measure the PG&E 2021 model's estimate of conditional probability or makes any other adjustment to account for the fact the Technosylva consequence model is not "swept weather" while the Probability of Ignition (POI) model is?	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	N/A	Miscellaneous	DTS FAST
167	MGRA	3	MGRA Data Request No. 3	1	MGRA Data Request No. 3_1	In the WDRM v3 model, has Cal Fire outcome data derived from VIIRS correlation now replaced the 8 hour Technosylva simulation?	Joseph Mitchell on behalf of MGRA	3/28/2022	3/31/2022	3/31/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
168	MGRA	4	MGRA Data Request No. 4	1	MGRA Data Request No. 4_1	What is the remaining role of Technosylva simulation in the v3 model?	Joseph Mitchell on behalf of MGRA	4/1/2022	4/5/2022	4/5/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
169	MGRA	4	MGRA Data Request No. 4	2	MGRA Data Request No. 4_2	If the Technosylva outputs are linked to the VIIRS data, how is this linkage performed?	Joseph Mitchell on behalf of MGRA	4/1/2022	4/5/2022	4/5/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
170	MGRA	4	MGRA Data Request No. 4	3	MGRA Data Request No. 4_3	Specify how consequences are assigned from the VIIRS fires to the Cal Fire fire outcome data set. Is this assignment based on a specific mapping, on averages, or on a Monte Carlo?	Joseph Mitchell on behalf of MGRA	4/1/2022	4/5/2022	4/5/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
171	MGRA	4	MGRA Data Request No. 4	4	MGRA Data Request No. 4_4	PG&E states that "the seasonal P (ignition) value are the result of marginalizing daily P (ignition) values across days from historic fire seasons (i.e. based on daily weather and fuel conditions) to produce a seasonal value derived from the seasonal P (ignition) multiplied by a seasonal estimate of consequence scores to obtain a seasonal risk score for each driver? Or is the daily (ignition) multiplied by the daily consequence score, and the risk score averaged over the season?"	Joseph Mitchell on behalf of MGRA	4/1/2022	4/5/2022	4/5/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
172	MGRA	4	MGRA Data Request No. 4	5	MGRA Data Request No. 4_5	PG&E described completing an R&D project at the end of 2021, and the AH&PC team performed a strategic assessment of the results. PG&E then determined that the CalAdvocates 2022 WMP Update 014-009.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	0	7.3.2.2.6	Situational Awareness and Forecasting	Distribution Arcing Fault Signature Library
173	MGRA	4	MGRA Data Request No. 4	6	MGRA Data Request No. 4_6	PG&E states that "some in-progress projects are forecasted in service towards the end of 2022" regarding transmission hardening.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	0	7.3.3.17.2	Grid Design and System Hardening	System Hardening - Transmission
174	OEIS	Set 008	OEIS-PG&E-22-008	1	OEIS-PG&E-22-008_1	Regarding PG&E's asset inspections.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	1	7.3.4	Asset Management and Inspections	Additional Detail
175	OEIS	Set 008	OEIS-PG&E-22-008	2	OEIS-PG&E-22-008_2	What percentage of inspections are completed by contractors vs. internally by PG&E employees?	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	1	7.3.4	Asset Management and Inspections	Additional Detail
176	OEIS	Set 008	OEIS-PG&E-22-008	3	OEIS-PG&E-22-008_3	Provide a list of contractors used for asset inspections.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	1	7.3.4	Asset Management and Inspections	Additional Detail
177	OEIS	Set 008	OEIS-PG&E-22-008	4	OEIS-PG&E-22-008_4	Q04. Provide the geospatial files for the HFRA modifications shown on pg. 77 of PG&E's 2022 WMP Update.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	1	4.2.1	Lessons Learned and Risk Trends	Service Territory Fire-Threat Evaluation and Ignition Risk Trends
178	OEIS	Set 008	OEIS-PG&E-22-008	5	OEIS-PG&E-22-008_5	Q05. In CalAdvocates 007-001, PG&E states that it completed over 210 miles of distribution system hardening, with approximately 66% of these circuits falling within the highest risk miles defined as the top 20% of the risk bydown.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	0	7.3.3.17.1	Grid Design and System Hardening	System Hardening
179	OEIS	Set 008	OEIS-PG&E-22-008	6	OEIS-PG&E-22-008_6	PG&E discloses that it conducted an audit of work tracking databases which identified ignitions which had not been reported. "Increasing PG&E's reportable ignition record by 23.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	2	7.3.7.4	Data Governance	Documentation and disclosure of wildfire-related data and algorithms
180	OEIS	Set 008	OEIS-PG&E-22-008	7	OEIS-PG&E-22-008_7	Q06. Provide the following information regarding PSPS Distribution sectionalizing devices: a) The average number of sectionalizing devices per circuit mile.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	0	N/A	Miscellaneous	Maturity Survey
181	OEIS	Set 008	OEIS-PG&E-22-008	8	OEIS-PG&E-22-008_8	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	0	7.3.9.1	Emergency Planning and Preparedness	Adequate and Trained Workforce for Service Restoration
182	CalPA	Set WMP-20	CalAdvocates-PGE-2022WMP-20	1	CalAdvocates-PGE-2022WMP-20_1	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Holly Whermer Carolyn Chen Layla Labagh	4/5/2022	4/8/2022	4/11/2022	0	7.3.3.6	Grid Design and System Hardening	Distribution Pole Replacement and Reinforcement, Including with Connected Pole
183	CalPA	Set WMP-20	CalAdvocates-PGE-2022WMP-20	2	CalAdvocates-PGE-2022WMP-20_2	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Holly Whermer Carolyn Chen Layla Labagh	4/5/2022	4/8/2022	4/11/2022	0	7.3.3.6	Grid Design and System Hardening	Distribution Pole Replacement and Reinforcement, Including with Connected Pole
184	OEIS	Set 009	OEIS-PG&E-22-009	1	OEIS-PG&E-22-009_1	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Program Cost Projection
185	OEIS	Set 009	OEIS-PG&E-22-009	2	OEIS-PG&E-22-009_2	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	1	7.3.3	Grid Design & System Hardening	Program Cost Projection
186	OEIS	Set 009	OEIS-PG&E-22-009	3	OEIS-PG&E-22-009_3	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0	7.3.3.16	Grid Design & System Hardening	Undergrounding
187	OEIS	Set 009	OEIS-PG&E-22-009	4	OEIS-PG&E-22-009_4	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0	7.3.3.3	Grid Design & System Hardening	Covered Conductor Installation
188	OEIS	Set 009	OEIS-PG&E-22-009	5	OEIS-PG&E-22-009_5	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0	7.3.7	Data Governance	Program Cost Projection
189	OEIS	Set 009	OEIS-PG&E-22-009	6	OEIS-PG&E-22-009_6	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0	7.3.3.8.1	Grid Design & System Hardening	Distribution Sectionalizing Devices
190	OEIS	Set 009	OEIS-PG&E-22-009	7	OEIS-PG&E-22-009_7	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	2	7.3.7.4	Data Governance	Documentation and
191	Will Abrams	Set 01	WillAbrams-Set 01	1	WillAbrams-Set 01_1	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Will Abrams	4/11/2022	4/14/2022	4/14/2022	1	4.6	Miscellaneous	5.4B Corrective Actions
192	Will Abrams	Set 02	WillAbrams-Set 02	1	WillAbrams-Set 02_1	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.5	Grid Design and System Hardening	Crossarm Maintenance, Repair, and Replacement
193	Will Abrams	Set 02	WillAbrams-Set 02	2	WillAbrams-Set 02_2	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.2.1.3	Situational Awareness and Forecasting	Weather Stations
194	Will Abrams	Set 02	WillAbrams-Set 02	3	WillAbrams-Set 02_3	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Will Abrams	4/13/2022	4/25/2022	4/25/2022	1	7.3.3.12.3	Grid Design and System Hardening	Maintenance, Transmission
195	Will Abrams	Set 02	WillAbrams-Set 02	4	WillAbrams-Set 02_4	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.3	Asset Management and Inspections	Improvement of Inspections
196	Will Abrams	Set 02	WillAbrams-Set 02	5	WillAbrams-Set 02_5	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.3	Asset Management and Inspections	Improvement of Inspections
197	Will Abrams	Set 02	WillAbrams-Set 02	6	WillAbrams-Set 02_6	Q07. In PG&E's 2022 WMP Update, in section 7.3.7.4, PG&E reports an increase in vegetation management category initiatives over the amount projected for 2022.	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.5.5	Vegetation Management (VM) and Inspections	Fuel Management and Management of All Wood and "Slash" From Vegetation Management Activities

198	Will Abrams	Set 02	WillAbrams-Set 02	7	WillAbrams-Set 02_7	Q: Given these findings and the increased fire risk on "south-facing slopes", has PG&E modified their vegetation management practices to ensure this type of topography is treated differently or more regularly given the lower moisture content?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.2.1.2	Situational Awareness and Forecasting	Fuel Moisture Sampling and Modeling [could also go to VM?]
199	Will Abrams	Set 02	WillAbrams-Set 02	8	WillAbrams-Set 02_8	Q: It is clear that the rust and neglect of the line caused a "shower of sparks." What has PG&E done to mitigate rust and corrosion on infrastructure that causes this shower effect with multiple ignition sources?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.4.3	Asset Management and Inspections	Improvement of Inspections
200	Will Abrams	Set 02	WillAbrams-Set 02	9	WillAbrams-Set 02_9	Q: Given this evidence that ember cast from transmission towers are "going to drift", what has PG&E done to alter their vegetation management practices around transmission towers? Where is this within their WMP?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.5.5	Vegetation Management (VM) and Inspections	Fuel Management and Management of All Wood and "Slash" From Vegetation Management Activities
201	Will Abrams	Set 02	WillAbrams-Set 02	10	WillAbrams-Set 02_10	Q: What additional risk mitigation practices has PG&E implemented to ensure that jumpers are secured and not left "dangling" and susceptible to wind? Are rigid jumpers now more often used? What added inspection criteria have been added so this never leads to another catastrophic fire again?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.3.5	Grid Design and System Hardening	Crossarm Maintenance, Repair, and Replacement
202	Will Abrams	Set 02	WillAbrams-Set 02	11	WillAbrams-Set 02_11	Q: How has PG&E mitigated these wildfire risks to ensure cooling towers are properly decommissioned or moth balled in response to these failures?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
203	Will Abrams	Set 02	WillAbrams-Set 02	12	WillAbrams-Set 02_12	Q: Given this "primary concern," what added risk mitigation practices has PG&E implemented to address power plant vegetation management and metal recycling procedures?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.5.5	Vegetation Management (VM) and Inspections	Fuel Management and Management of All Wood and "Slash" From Vegetation Management Activities
204	Will Abrams	Set 02	WillAbrams-Set 02	13	WillAbrams-Set 02_13	Q: What risk mitigation has PG&E done to ensure decommissioned or moth balled lines are not energized and connected to power plants? How have inspection practices changed to ensure these failures are not repeated?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
205	Will Abrams	Set 02	WillAbrams-Set 02	14	WillAbrams-Set 02_14	Q: Given that this "low cycle fatigue" was identified as a primary cause of the Kincaid Fire, has PG&E reflected and corrected that issue within their WMP? Is added testing performed and/or different quality assurance checks to mitigate these risks?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		N/A	N/A	N/A
206	Will Abrams	Set 02	WillAbrams-Set 02	15	WillAbrams-Set 02_15	Q: Given these failures to deal with abandoned infrastructure, how has PG&E identified the added mitigation activities since the Kincaid Fire? How does PG&E now treat "abandoned" infrastructure differently within their WMP?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.3.17.2	Grid Design and System Hardening	System Hardening - Transmission
207	Will Abrams	Set 02	WillAbrams-Set 02	16	WillAbrams-Set 02_16	Q: What has PG&E done to ensure security fencing around their infrastructure is inspected and maintained given these findings? How does PG&E mitigate the security dangers of poorly maintained fencing?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.4.3	Asset Management and Inspections	Improvement of Inspections
208	Will Abrams	Set 02	WillAbrams-Set 02	17	WillAbrams-Set 02_17	Q: What has PG&E done to mitigate the risks of misconfigured jumpers? Does PG&E now cut these within the manufacturing facility to ensure proper length and configuration?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.3.5	Grid Design and System Hardening	Crossarm Maintenance, Repair, and Replacement
209	Will Abrams	Set 02	WillAbrams-Set 02	18	WillAbrams-Set 02_18	Q: What has PG&E done to mitigate these risks and ensure that wires are secured and inspected within the shoe and do not come loose to cause future catastrophic wildfires?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.4.12	Asset Management and Inspections	Patrol inspections of transmission electric lines and equipment
210	Will Abrams	Set 02	WillAbrams-Set 02	19	WillAbrams-Set 02_19	Q: Given that the Saw Mill Fire pointed to the same or very similar infrastructure failures and mismanagement patterns as the Kincaid Fire has PG&E finally included mitigation activities for these issues within their WMP?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.3.17.2	Grid Design and System Hardening	System Hardening - Transmission
211	Will Abrams	Set 02	WillAbrams-Set 02	20	WillAbrams-Set 02_20	Q: Given that wind readings were different on the surface vs. up on poles and towers and these differences contributed to the miscalculations and causes of both the Sawmill and Kincaid Fires, has PG&E accounted for different wind sensor placement of wind (ground-level vs. high up on tower) within their WMP?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.2.1.3	Situational Awareness and Forecasting	Weather Stations
212	Will Abrams	Set 02	WillAbrams-Set 02	21	WillAbrams-Set 02_21	Q: Given all these similar causes (loose wires, low-cycle fatigue, wind conditions, etc.) between the Sawmill Fire and the Kincaid Fire why did PG&E still not mitigate these causes and include those mitigation tactics within their WMP? Given this failure pattern, why did PG&E state over and over again that the Kincaid Fire was a "black swan"? Why did Bill Johnson, CEO dismissively state that "sometimes things just break" in reference to the Kincaid Fire given this pattern and the clear failure of PG&E policies and practices?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.3.17.2	Grid Design and System Hardening	System Hardening - Transmission
213	Will Abrams	Set 02	WillAbrams-Set 02	22	WillAbrams-Set 02_22	Q: When outside oversight agencies provide direction like "make sure those wires are secured" how does PG&E now make sure those instructions are documented and addressed? Where are these issues addressed in the PG&E WMP given that staff repeatedly did not heed these instructions?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.4.12	Asset Management and Inspections	Patrol inspections of transmission electric lines and equipment
214	Will Abrams	Set 02	WillAbrams-Set 02	23	WillAbrams-Set 02_23	Q: How has PG&E modified their inspection practices and noted those changes within their WMP given that these inspections did not successfully catch the many failures in configuration and maintenance practices that caused the Kincaid Fire?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.4.10	Asset Management and Inspections	Other discretionary inspection of transmission electric lines and equipment, beyond inspections mandated by rules and regulations
215	Will Abrams	Set 02	WillAbrams-Set 02	24	WillAbrams-Set 02_24	Q: How has PG&E improved their policies and wildfire mitigation practices to more closely work with partners like CalPine to ensure access and maintenance issues do not impact safe operations of PG&E equipment?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
216	Will Abrams	Set 02	WillAbrams-Set 02	25	WillAbrams-Set 02_25	Q: Given the ambiguity of "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)	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
223	Will Abrams	Set 02	WillAbrams-Set 02	32	WillAbrams-Set 02_32	Q: Are these "Scotch-Brite" and "heliwash" practices still employed for cleaning insulators? Has this been standardized or do crew supervisors still have discretion of when to wash or replace? What WMP practices have standardized these practices given the known wildfire risks?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	2		7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
224	Will Abrams	Set 02	WillAbrams-Set 02	33	WillAbrams-Set 02_33	Q: Has PG&E standardized around polymer insulators as part of their wildfire mitigation activities? What percentage of PG&E insulators are still the old ceramic type? Why is this not mentioned within the WMP when it was a leading cause or contributing factor of catastrophic wildfires?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
225	Will Abrams	Set 02	WillAbrams-Set 02	34	WillAbrams-Set 02_34	Q: Has PG&E standardized to 2 year lifecycle for changing insulators? Has PG&E set standards in their WMP for insulator inspections to determine replacement given the risk of wildfire ignitions?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.4.3	Asset Management and Inspections	Improvement of Inspections
226	Will Abrams	Set 02	WillAbrams-Set 02	35	WillAbrams-Set 02_35	Q: Do line crew supervisors still have the authority to "mothball" infrastructure with direction from outside sources? How has PG&E implemented corrective actions given the wildfire risks associated with how infrastructure is decommissioned or mothballed?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.3.12.3	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
227	Will Abrams	Set 02	WillAbrams-Set 02	36	WillAbrams-Set 02_36	Q: Why isn't decommissioning infrastructure requiring an engineering consult? Given the evident wildfire risk has PG&E required engineering consults and direction on a going forward basis as part of their WMP?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.3.12.3	Grid Design and System Hardening	Maintenance, Transmission
228	Will Abrams	Set 02	WillAbrams-Set 02	37	WillAbrams-Set 02_37	Q: Given that this motion of the insulator string caused or contributed to the Kincaid Fire has PG&E now measured these movements and identified wildfire mitigation practices and quality controls to remedy?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.3.12.3	Grid Design and System Hardening	Maintenance, Transmission
229	Will Abrams	Set 02	WillAbrams-Set 02	38	WillAbrams-Set 02_38	Q: Is engineering design now required for these types of mothballing practices? Why is this not reflected within the WMP given the wildfire risk?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.3.12.3	Grid Design and System Hardening	Maintenance, Transmission
230	Will Abrams	Set 02	WillAbrams-Set 02	39	WillAbrams-Set 02_39	Q: Given the subsequent catastrophic fire, does PG&E now require an "engineering reference" for this type of line configuration work? Why are these standards not set in the WMP?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0		7.3.3.12.3	Grid Design and System Hardening	Maintenance, Transmission
231	OEIS	Set 10	OEIS-PG&E-22-010	1	OEIS-PG&E-22-010_1	In the Section 8.2.3.7 PG&E describes its use of the risk vs. benefit tool in four events in 2021 to support the evaluation of the potential public safety risk due to a PSPS event against the forecasted potential wildfire risk. a. To date, did PG&E use the risk-benefit tool for determining to initiate any events that did not result in a PSPS event?	Kevin Miller	4/15/2022	4/20/2022	4/20/2022	0		8.2.3.7	PSPS	PSPS Risk-Benefit Tool

Pre-Discovery 38	CalPA	Set WMP-07	CalAdvocates-PGE-2022WMP-07	1	CalAdvocates-PGE-2022WMP-07_1 Regarding PG&E's 2021 distribution system hardening efforts, as described in section 7.3.3.17.1 its 2021 Revised WMP: a) How many miles of distribution system hardening did PG&E complete in 2021? b) What percentage of the distribution system hardening work in 2021 was performed in the top 20 percent of circuit segments as defined by PG&E's 2021 Wildfire Distribution Risk Model for System Hardening? c) If the answer to part (b) is lower than 80 percent, please explain why. 2 "The top 20 percent of circuit segments as defined by PG&E's 2021 Wildfire Distribution Risk Model for System Hardening" should be defined the same way for the purposes of this question as in PG&E's 2021 Revised WMP.	Alan Wehrman	12/23/2021	2/1/2022	2/1/2022	0	7.3.3.17.1	Grid Design and System Hardening	System Hardening
Pre-Discovery 39	CalPA	Set WMP-07	CalAdvocates-PGE-2022WMP-07	2	CalAdvocates-PGE-2022WMP-07_2 Please provide a GIS file showing where PG&E completed distribution system hardening work in 2021, in accordance with section 7.3.3.17.1 its 2021 Revised WMP. The November 23, 2021 Federal Monitor's report ³ states:	Alan Wehrman	12/23/2021	2/1/2022	2/1/2022	1	7.3.3.17.1	Grid Design and System Hardening	System Hardening
Pre-Discovery 40	CalPA	Set WMP-07	CalAdvocates-PGE-2022WMP-07	3	CalAdvocates-PGE-2022WMP-07_3 In 2021, the Monitor team conducted an in-field review of 1,628 distribution structures in HFTDs that had been inspected by PG&E. Approximately 27% of the structures had potential exceptions related to field conditions, for a total of 583 missed field issues by PG&E inspectors across 435 structures. Approximately 31% of the structures had potential exceptions related to recordkeeping, for a total of 642 potential exceptions by PG&E inspectors across 507 structures. ⁴ a) Please describe all actions that PG&E has taken in 2021 to improve the quality of its distribution inspections to reduce the number of potential exceptions ⁵ in the future. b) Has PG&E performed any re-inspections or inspection validation efforts following the findings of the Federal Monitor, described above? c) If the answer to part (b) is yes, please describe those efforts. d) If the answer to part (b) is no, please explain why not. 3 Kirkland & Ellis LLP, PG&E Independent Monitor Report of November 19, 2021 (Case No. 14-CR-00175-WHA Doc. No. 1524-1), November 23, 2021. 4 Kirkland & Ellis LLP, PG&E Independent Monitor Report of November 19, 2021 (Case No. 14-CR-00175-WHA Doc. No. 1524-1), November 23, 2021. 5 The November 23, 2021 Federal Monitor report states:	Alan Wehrman	12/23/2021	2/1/2022	2/1/2022	0	7.3.4.1	Asset Management and Inspections	Inspections - Distribution
Pre-Discovery 41	CalPA	Set WMP-07	CalAdvocates-PGE-2022WMP-07	4	CalAdvocates-PGE-2022WMP-07_4 In 2021, the Monitor team inspected 304 electric transmission structures via PG&E aerial photography records. Approximately 47% of the steel structures inspected had potential exceptions, for a total of 160 missed issues across 88 structures. Approximately 53% of the wood structures also had potential exceptions, for a total of 136 missed issues across 76 structures. ⁶ a) Please describe all actions that PG&E has taken in 2021 to improve the quality of its aerial transmission inspections to reduce the number of potential exceptions in the future. b) Has PG&E performed any re-inspections or inspection validation efforts following the findings of the Federal Monitor, described above? c) If the answer to part (b) is yes, please describe those efforts. d) If the answer to part (b) is no, please explain why not. 6 Kirkland & Ellis LLP, PG&E Independent Monitor Report of November 19, 2021 (Case No. 14-CR-00175-WHA Doc. No. 1524-1), November 23, 2021.	Alan Wehrman	12/23/2021	2/1/2022	2/1/2022	0	7.3.4.2	Asset Management and Inspections	Inspections - Transmission
Pre-Discovery 42	CalPA	Set WMP-08	CalAdvocates-PGE-2022WMP-08	1	CalAdvocates-PGE-2022WMP-08_1 The following questions relate to the PG&E Independent Monitor Report of November 19, 2021, Kirkland & Ellis LLP, filed on November 23, 2021 (the Monitor's 2021 report), ³ and PG&E's responses to Data Request CalAdvocates-PGE-2022WMP-06, dated January 10 and 14, 2022. PG&E's response to Data Request CalAdvocates-PGE-2022WMP-06 states that the ignition occurring on June 21, 2021 was CPUC reportable. ⁴ a) Please provide a copy of each ignition report (for the ignition referenced above) that PG&E submitted to the CPUC. b) If PG&E did not submit any ignition reports for the ignition referenced above, please explain why not. 3 Kirkland & Ellis LLP, PG&E Independent Monitor Report of November 19, 2021 (Case No. 14-CR-00175-WHA Doc. No. 1524-1), November 23, 2021. 4 PG&E's response to Data Request CalAdvocates-PGE-2022WMP-06, dated January 10 and 14, 2022.	Alan Wehrman	1/28/2022	2/25/2022	2/25/2022	0	N/A	Miscellaneous	Additional Detail
Pre-Discovery 43	CalPA	Set WMP-08	CalAdvocates-PGE-2022WMP-08	2	CalAdvocates-PGE-2022WMP-08_2 PG&E's response to Data Request CalAdvocates-PGE-2022WMP-06 includes an inspection report from June 13, 2021 with the finding "Open Wire Service (to weatherhead) or Open Wire Secondary at this location." ⁵ a) Please explain what is meant by this finding. b) Please define "Open Wire Service (to weatherhead)." c) Please define "Open Wire Secondary." 5 PG&E's response to Data Request CalAdvocates-PGE-2022WMP-06, Question 3, Attachment 4, b.	Alan Wehrman	1/28/2022	2/25/2022	2/25/2022	0	7.3.4	Asset Management and Inspections	Additional Detail
Pre-Discovery 44	CalPA	Set WMP-08	CalAdvocates-PGE-2022WMP-08	3	CalAdvocates-PGE-2022WMP-08_3 PG&E's response to Data Request CalAdvocates-PGE-2022WMP-06 includes an inspection report from June 13, 2021 which lists no "damage or compelling abnormal conditions" in all categories except "Other Required Data." ⁶ Regarding this inspection: a) It is Cal Advocates' understanding that, as of June 13, 2021, the crossarm that failed on June 16 still had open electric corrective notifications because the maintenance issues previously flagged in 2019 and 2020 had not been remediated. Is this correct? b) Please explain why the inspector did not note any damage to the crossarm during this inspection. c) State what PG&E inspection protocol(s) the inspector used on June 13, 2021 for this inspection. d) List the regulations and internal standards against which the inspector was supposed to verify compliance in this inspection on June 13, 2021. e) Has PG&E's management identified any flaws or shortcomings in the performance of this particular inspection? f) If the answer to part (e) is yes, please describe what action(s) PG&E has taken to address the identified flaws or shortcomings in the performance of this particular inspection. 6 PG&E's response to Data Request CalAdvocates-PGE-2022WMP-06, Question 3, Attachment 4.	Alan Wehrman	1/28/2022	2/25/2022	2/25/2022	0	7.3.3.5	Crossarm Maintenance	Miscellaneous
Pre-Discovery 45	CalPA	Set WMP-08	CalAdvocates-PGE-2022WMP-08	4	CalAdvocates-PGE-2022WMP-08_4 PG&E's response to Data Request CalAdvocates-PGE-2022WMP-06 includes an inspection report from June 13, 2021. Regarding this inspection: a) Since June 16, 2021, has PG&E performed any quality control or reinspection activities to validate the completeness and accuracy of other inspections performed by the individual who performed the inspection on June 13, 2021? b) If the answer to part (a) is	Alan Wehrman	1/28/2022	2/25/2022	2/25/2022	0	7.3.4.14	Asset Management and Inspections	Quality Assurance/Quality Control of Inspections
Pre-Discovery 46	CalPA	Set WMP-08	CalAdvocates-PGE-2022WMP-08	5 SUPP	CalAdvocates-PGE-2022WMP-08_5 SUPP Final ACE reports for 11 ignitions in 2021	Holly Wehrman	1/28/2022	4/8/2022			7.3.7	Data Governance	Asset Failure Analysis
Pre-Discovery 46	CalPA	Set WMP-08	CalAdvocates-PGE-2022WMP-08	5 (a,b)	CalAdvocates-PGE-2022WMP-08_5 (a,b) The Monitor's 2021 report states, "For example, PG&E's recently established Asset Failure Analysis Team causally connected a June 2021 ignition to a broken cross arm." ⁷ a) When was PG&E's Asset Failure Analysis Team established? b) Please provide a brief description of the purpose and activities of the Asset Failure Analysis Team. c) Please describe what, if any, work product is produced by the Asset Failure Analysis Team (for example, written reports or presentations). d) Please describe any changes or improvements to WMP initiatives that have resulted from activities performed by the Asset Failure Analysis Team. e) Is the Asset Failure Analysis Team discussed in PG&E's 2022 WMP Update? Please provide a reference to the appropriate section, if yes. f) Please describe how the Asset Failure Analysis Team causally connected the June 2021 ignition to the broken crossarm. g) Has the Asset Failure Analysis Team causally connected other ignitions that occurred in 2021 to failed assets with existing corrective notifications? h) If the answer to part (g) is yes, please list such ignitions, their cause, and provide copies of associated reports or investigations performed by the Asset Failure Analysis Team.	Alan Wehrman	1/28/2022	2/25/2022	2/25/2022	0	7.3.7	Data Governance	Asset Failure Analysis

Pre-Discovery 46	CalPA	Set WMP-08	CalAdvocates-PGE-2022WMP-08	5 (c-h)	CalAdvocates-PGE-2022WMP-08_5 (c-h)	The Monitor's 2021 report states, "For example, PG&E's recently established Asset Failure Analysis Team causally connected a June 2021 ignition to a broken cross arm." 7 a) When was PG&E's Asset Failure Analysis Team established? b) Please provide a brief description of the purpose and activities of the Asset Failure Analysis Team. c) Please describe what, if any, work product is produced by the Asset Failure Analysis Team (for example, written reports or presentations). d) Please describe any changes or improvements to WMP initiatives that have resulted from activities performed by the Asset Failure Analysis Team. e) Is the Asset Failure Analysis Team discussed in PG&E's 2022 WMP Update? Please provide a reference to the appropriate section, if yes. f) Please describe how the Asset Failure Analysis Team causally connected the June 2021 ignition to the broken crossarm. g) Has the Asset Failure Analysis Team causally connected other ignitions that occurred in 2021 to failed assets with existing corrective notifications? h) If the answer to part (g) is yes, please list such ignitions, their cause, and provide copies of associated reports or investigations performed by the Asset Failure Analysis Team.	Alan Wehrman	1/28/2022	3/4/2022	3/8/2022	0	7.3.7	Data Governance	Asset Failure Analysis
Pre-Discovery 47	CalPA	Set WMP-08	CalAdvocates-PGE-2022WMP-08	6	CalAdvocates-PGE-2022WMP-08_6	What date does PG&E define as the start of the 2021 fire season? 8 PG&E's response to Data Request CalAdvocates-PGE-2022WMP-06, Question 2.	Alan Wehrman	1/28/2022	2/25/2022	2/25/2022	0	N/A	Miscellaneous	Additional Detail
Pre-Discovery 48	CalPA	Set WMP-08	CalAdvocates-PGE-2022WMP-08	7	CalAdvocates-PGE-2022WMP-08_7	PG&E's response to Data Request CalAdvocates-PGE-2022WMP-06 states that, as of June 16, 2021, the priority of the corrective notification associated with the failed crossarm was priority E.9 Why was the corrective notification never re-prioritized above priority E during the period of February 19, 2020 to June 16, 2021? 9 PG&E's response to Data Request CalAdvocates-PGE-2022WMP-06, Question 2.	Alan Wehrman	1/28/2022	2/25/2022	2/25/2022	0	7.3.4	Asset Management and Inspections	Additional Detail
Pre-Discovery 49	CalPA	Set WMP-09	CalAdvocates-PGE-2022WMP-09	1	CalAdvocates-PGE-2022WMP-09_1	Provide an Excel table listing (as rows) all corrective notifications on electric distribution circuits that were open as of February 1, 2022, and located in HFTD areas. The table should include the following information in separate columns. a. Notification identification (ID) number b. Name of the associated circuit c. ID number of the associated circuit d. HFTD tier e. Functional location f. Geographic latitude in decimal degrees, truncated to seven decimal places g. Geographic longitude in decimal degrees, truncated to seven decimal places h. Date the notification was originally opened i. Priority of the original notification (please use PG&E's internal system of A, B, E, etc.) j. Due date of the original notification k. Object/damage code (see definitions) l. Date(s) the notification was reinspected or modified, if any m. Priority of the notification after it was reinspected or modified, if applicable n. Due date of the notification after it was reinspected or modified, if applicable	Holly Wehrman	2/15/2022	3/2/2022	3/2/2022	1	7.3.4	Asset Management and Inspections	Additional Detail - Distribution
Pre-Discovery 50	CalPA	Set WMP-09	CalAdvocates-PGE-2022WMP-09	2	CalAdvocates-PGE-2022WMP-09_2	Provide an Excel table listing (as rows) all corrective notifications on electric transmission circuits that were open as of February 1, 2022, and located in HFTD areas. The table should include the same information requested in Question 1.	Holly Wehrman	2/15/2022	3/2/2022	3/2/2022	1	7.3.4	Asset Management and Inspections	Additional Detail - Transmission
Pre-Discovery 51	CalPA	Set WMP-09	CalAdvocates-PGE-2022WMP-09	3	CalAdvocates-PGE-2022WMP-09_3	Provide an Excel table listing (as rows) all corrective notifications on electric substations that were open as of February 1, 2022, and located in HFTD areas. The table should include the information requested in Question 1.	Holly Wehrman	2/15/2022	3/2/2022	3/2/2022	1	7.3.4	Asset Management and Inspections	Additional Detail - Substations
Pre-Discovery 52	CalPA	Set WMP-10	CalAdvocates-PGE-2022WMP-10	1	CalAdvocates-PGE-2022WMP-10_1	Provide the number of tree attachments existing in PG&E's system as of February 1, 2022 in each of the following categories: a) Total b) HFTD Tier 3 c) HFTD Tier 2 d) Other HFTD e) Non-HFTD	Holly Wehrman	2/15/2022	3/2/2022	3/2/2022	0	7.3.3	Grid Design and System Hardening	Tree Attachments
Pre-Discovery 53	CalPA	Set WMP-10	CalAdvocates-PGE-2022WMP-10	2	CalAdvocates-PGE-2022WMP-10_2	How many tree attachments did PG&E remediate in calendar year 2021 in each of the following categories: a) Total b) HFTD Tier 3 c) HFTD Tier 2 d) Other HFTD e) Non-HFTD	Holly Wehrman	2/15/2022	3/2/2022	3/2/2022	0	7.3.3	Grid Design and System Hardening	Tree Attachments
Pre-Discovery 54	CalPA	Set WMP-10	CalAdvocates-PGE-2022WMP-10	3	CalAdvocates-PGE-2022WMP-10_3	How many tree attachments does PG&E plan to remediate in calendar year 2022 in each of the following categories: a) Total b) HFTD Tier 3 c) HFTD Tier 2 d) Other HFTD e) Non-HFTD	Holly Wehrman	2/15/2022	3/2/2022	3/2/2022	0	7.3.3	Grid Design and System Hardening	Tree Attachments
Pre-Discovery 55	CalPA	Set WMP-10	CalAdvocates-PGE-2022WMP-10	4	CalAdvocates-PGE-2022WMP-10_4	When PG&E performs undergrounding in the right-of-way for wildfire mitigation purposes, in places where other utilities (such as telecommunications providers) share PG&E's poles: a) Please describe PG&E's current policy regarding undergrounding the other utilities' equipment. b) Please describe PG&E's current policy regarding removal of the shared poles. c) Please describe PG&E's current policy regarding the removal of PG&E's poles.	Holly Wehrman	2/15/2022	3/7/2022	3/7/2022	0	7.3.3.16	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
Pre-Discovery 56	CalPA	Set WMP-10	CalAdvocates-PGE-2022WMP-10	5	CalAdvocates-PGE-2022WMP-10_5	During the visit to PG&E facilities on November 2, 2021, Cal Advocates visited an undergrounding project in El Dorado County, which was referred to as "Undergrounding Project El Dorado 2101 Phase 4." During the visit PG&E representatives represented that, after the powerline was moved underground, the poles would be "topped," which would remove a portion of the pole but leave the remainder of the pole intact to support telecommunications utility infrastructure. a) Is the above representation accurate with respect to the Undergrounding Project El Dorado 2101 Phase 4? b) If the answer to part (a) is no, please correct any inaccuracies.	Holly Wehrman	2/15/2022	3/7/2022	3/7/2022	0	7.3.3.16	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
Pre-Discovery 57	CalPA	Set WMP-10	CalAdvocates-PGE-2022WMP-10	6	CalAdvocates-PGE-2022WMP-10_6	During the visit to PG&E facilities on November 2, 2021, Cal Advocates visited an undergrounding project in El Dorado County, which was referred to as "Undergrounding Project El Dorado 2101 Phase 4." During the visit PG&E representatives represented that, after the powerline was moved underground, the poles would be "topped," which would remove a portion of the pole but leave the remainder of the pole intact to support telecommunications utility infrastructure. a) Is this representative of PG&E's practice when undergrounding powerlines that share poles with other utilities? b) If not, please describe PG&E's typical practice in undergrounding powerlines that share poles with other utilities?	Holly Wehrman	2/15/2022	3/7/2022	3/7/2022	0	7.3.3.16	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
Pre-Discovery 58	CalPA	Set WMP-10	CalAdvocates-PGE-2022WMP-10	7	CalAdvocates-PGE-2022WMP-10_7	Provide the following information in response to Data Request CalAdvocates-PGE-2022WMP-03, Question 1, PG&E installed approximately 109 circuit-miles of underground conductor in HFTDs in 2021. a) Please verify that the above number of circuit-miles is accurate. b) Noting that multiple circuits may sometimes run in parallel through the same right-of-way, how many miles of right-of-way did PG&E's 2021 undergrounding work affect in HFTDs? c) Among the miles of right-of-way undergrounded in HFTDs in 2021, how many miles of telecommunications did PG&E co-trench? d) Of the miles undergrounded in HFTDs in 2021, on how many miles of right-of-way did PG&E remove the poles? e) Of the miles undergrounded in HFTDs in 2021:	Holly Wehrman	2/15/2022	3/7/2022	3/7/2022	0	7.3.3.16	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
Pre-Discovery 59	CalPA	Set WMP-10	CalAdvocates-PGE-2022WMP-10	8	CalAdvocates-PGE-2022WMP-10_8	a) Has PG&E identified transportation corridors within its service territory where falling or failing lines or poles could currently limit egress and/or ingress during an emergency? b) If the answer to part (a) is yes, please describe how PG&E identifies such transportation corridors. c) If available, please provide a geospatial data file that contains all current identified transportation corridors with ingress and egress hazards.	Holly Wehrman	2/15/2022	3/2/2022	3/2/2022	0	7.3.9	Emergency Planning And Preparedness	Additional Detail
Pre-Discovery 60	CalPA	Set WMP-10	CalAdvocates-PGE-2022WMP-10	9	CalAdvocates-PGE-2022WMP-10_9	In its responses to Data Request CalAdvocates-PGE-2022WMP-07, Questions 3 and 4, PG&E stated that it is performing Quality Reviews of past inspections, both of which were expected to be complete by February 28, 2022. Please provide copies of these Quality Reviews, if available. If the Quality Reviews have not been completed as of the date of your response to this Data Request, provide copies as soon as they are completed.	Holly Wehrman	2/15/2022	3/2/2022	3/2/2022	2	7.3.4.14	Asset Management and Inspections	Quality Assurance/Quality Control of Inspections
Pre-Discovery 61	OEIS	Set 002	OEIS-PG&E-22-002	1	OEIS-PG&E-22-002_1	As a follow up to the answer received from DR-U01, which asked: "In PG&E's cover letter to its Submission of 2022 Wildfire Mitigation Plan Maturity Model Assessment submitted February 4, 2022, PG&E states: "in addition to our internal review of the questions and the scores, this year we were also able to benchmark with Southern California Edison Company (SCE) and San Diego Gas & Electric Company (SDG&E) regarding the Survey. These benchmarking discussions were very helpful, especially to understand how the other utilities were interpreting certain questions and approaching the response to those questions. This benchmarking resulting in a re-evaluation of some of our scores based on feedback from the other utilities." Energy Safety would like to know the following: To which questions of the 2022 Wildfire Mitigation Plan Maturity Model Assessment answered by PG&E does this above notice apply?; please answer the below questions: Energy Safety requires like data for comparison across a three year Maturity Survey for the years 2020, 2021, and 2022 to determine whether the utility has truly progressed or regressed. To help ensure accuracy in comparison of re-interpreted responses to the same questions from the 2020 and 2021 surveys, for each of the 41 questions re-interpreted in answering the 2022 Maturity Survey, please provide the following: a. How was this specific question re-interpreted? b. What would PG&E's answer to the question have been had it been answered in the same way it was interpreted in the 2020 and 2021 Maturity Surveys submitted by PG&E?	Kevin Miller	2/22/2022	3/4/2022	3/4/2022	0	N/A	Miscellaneous	Maturity Survey
Pre-Discovery 62	OEIS	Set 002	OEIS-PG&E-22-002	2	OEIS-PG&E-22-002_2	a. Risk mapping and simulation Q02. Regarding PG&E's response to Maturity Survey question A.V.b (How automated is the mechanism to determine whether to update algorithms based on deviations?); a. How is PG&E planning to increase automation for algorithm updates based on deviations? b. How does PG&E currently perform partial (<50%) automation for this task?	Kevin Miller	2/22/2022	3/4/2022	3/4/2022	0	7.3.1	Risk Assessment and Mapping	Survey Responses

Pre-Discovery 63	OEIS	Set 002	OEIS-PG&E-22-002	3	OEIS-PG&E-22-002_3	Q03. Regarding PG&E's response to Maturity Survey question A.V.c (How are deviations from risk model to ignitions and propagation detected?): a. Describe how PG&E "manually" checks deviations between the risk model to ignitions and propagation detection. b. Provide PG&E's plan to progress to a semi-automated for this check by January 1, 2023.	Kevin Miller	2/22/2022	3/4/2022	3/4/2022	0	7.3.1	Risk Assessment and Mapping	Survey Responses
Pre-Discovery 64	OEIS	Set 002	OEIS-PG&E-22-002	4	OEIS-PG&E-22-002_4	C. Grid design and system hardening Q04. Regarding PG&E's response to Maturity Survey question C.II.a (Does grid design meet minimum G095 requirements and loading standards in HFTD areas?): a. Describe how PG&E plans to exceed GO 95 requirements by January 1, 2023.	Kevin Miller	2/22/2022	3/4/2022	3/4/2022	0	7.3.3	Grid Design and System Hardening	Survey Responses
Pre-Discovery 65	OEIS	Set 002	OEIS-PG&E-22-002	5	OEIS-PG&E-22-002_5	Q05. Regarding PG&E's response to Maturity Survey question C.III.a (What level of redundancy does the utility's transmission architecture have?): a. Provide the percentage of circuits that have n-1 redundancy. b. Provide PG&E's plan to increase level of redundancy for transmission circuits.	Kevin Miller	2/22/2022	3/4/2022	3/4/2022	0	7.3.3	Grid Design and System Hardening	Survey Responses
Pre-Discovery 66	OEIS	Set 002	OEIS-PG&E-22-002	6	OEIS-PG&E-22-002_6	Q06. Regarding PG&E's response to Maturity Survey question C.III.c (What level of sectionalization does the utility's distribution architecture have?): a. Provide the percentage of circuits that have more than 2000 customers within one switch. b. Describe PG&E's plan to isolate circuits to reduce the number of customers within one switch.	Kevin Miller	2/22/2022	3/4/2022	3/4/2022	0	7.3.3	Grid Design and System Hardening	Survey Responses
Pre-Discovery 67	OEIS	Set 002	OEIS-PG&E-22-002	7	OEIS-PG&E-22-002_7	Q07. Regarding PG&E's response to Maturity Survey question C.III.d (How does the utility consider egress points in its grid topology?): a. Given PG&E "does not consider" egress as part of its grid topology design, how does PG&E currently factor and account for egress into wildfire and safety risks? b. How is PG&E planning to input egress into grid topology design going forward?	Kevin Miller	2/22/2022	3/4/2022	3/4/2022	0	7.3.3	Grid Design and System Hardening	Survey Responses
Pre-Discovery 68	OEIS	Set 002	OEIS-PG&E-22-002	8	OEIS-PG&E-22-002_8	Q08. Regarding PG&E's response to Maturity Survey question C.IV.d (What grid hardening initiatives does the utility include within its evaluation?): a. Define PG&E's understanding of what "Some" and "Most" include when considering grid hardening initiatives. b. How does PG&E plan to move from considering some hardening initiatives to most by January 1, 2023?	Kevin Miller	2/22/2022	3/4/2022	3/4/2022	0	7.3.3	Grid Design and System Hardening	Survey Responses
Pre-Discovery 69	OEIS	Set 002	OEIS-PG&E-22-002	9	OEIS-PG&E-22-002_9	Q09. Regarding PG&E's response to Maturity Survey question D.I.a (What information is captured in the equipment inventory database?): a. Describe why PG&E moved from having an "accurate inventory of equipment" to "no service territory-wide inventory" from 2021 to 2022. Include any lessons learned from benchmarking with other utilities. b. Provide an estimated percentage of the equipment currently within PG&E's inventory. c. Provide PG&E's plan to move towards an accurate inventory service territory-wide, including integration of inspections and repairs, by January 1, 2023.	Kevin Miller	2/22/2022	3/4/2022	3/4/2022	0	7.3.4	Asset Management and Inspections	Survey Responses
Pre-Discovery 70	OEIS	Set 002	OEIS-PG&E-22-002	10	OEIS-PG&E-22-002_10	Q10. Regarding PG&E's response to Maturity Survey question D.I.c (Does all equipment in HFTD areas have the ability to detect and respond to malfunctions?): a. Why does PG&E only update asset condition annually? b. Provide all existing bottlenecks that prevent PG&E from updating its asset conditions more frequently, including any plans to alleviate such bottlenecks.	Kevin Miller	2/22/2022	3/4/2022	3/4/2022	0	7.3.4	Asset Management and Inspections	Survey Responses
Pre-Discovery 71	OEIS	Set 002	OEIS-PG&E-22-002	11	OEIS-PG&E-22-002_11	Q11. Regarding PG&E's response to maturity survey question D.IV.a (What level are electrical lines and equipment maintained at?): a. Why is PG&E not currently meeting consistent maintenance, as required? b. What percentage of circuits are not meeting required maintenance and protocols?	Kevin Miller	2/22/2022	3/4/2022	3/4/2022	1	7.3.3	Grid Design and System Hardening	Survey Responses
Pre-Discovery 72	OEIS	Set 002	OEIS-PG&E-22-002	12	OEIS-PG&E-22-002_12	Q12. Regarding PG&E's response to Maturity Survey question F.III.d (During PSPS events does the utility's website go down?): a. How many times did PG&E's website go down during PSPS events in 2021? Include associated timeframes for when the website was down, as well as a percentage of time that the website was down during PSPS events. b. What is PG&E's plan to decrease the likelihood that the website will go down during PSPS events going forward? On February 2, 2022, PG&E filed its third 90-day report in response to the Enhanced Oversight and Enforcement Process. Please provide Excel versions of the following attachments to this report: a) Attachment A: 2021 EVM Scope of Work - Year End Summary b) Attachment B: 2021 EVM Work Performed Outside the 2021 EVM Scope of Work - Year-End Summary	Kevin Miller	2/22/2022	3/4/2022	3/4/2022	0	7.3.6	Grid Operations and Protocols	Survey Responses
Pre-Discovery 73	CalPA	Set WMP-11	CalAdvocates-PGE-2022WMP-11	1	CalAdvocates-PGE-2022WMP-11_1	in response to Data Request CalAdvocates-PGE-2021WMP-10, Question 5, March 3, 2021, PG&E provided its 2021 EVM workplan. Please provide an updated version of this workplan that lists the actual EVM mileage performed in each circuit-segment in 2021 as a new column. Rows should be added as needed to cover all circuit-segments where PG&E performed EVM work in 2021.	Holly Wehrman Carolyn Chen Layla Labagh	2/24/2022	3/2/2022	3/3/2022	3	N/A	Miscellaneous	Additional Detail
Pre-Discovery 74	CalPA	Set WMP-11	CalAdvocates-PGE-2022WMP-11	2	CalAdvocates-PGE-2022WMP-11_2	in response to Data Request CalAdvocates-PGE-2021WMP-10, Question 6, March 3, 2021, PG&E provided its 2021 system hardening workplan for the categories referred to in parts (a)-(d) below. Please provide an updated version of this workplan with additional columns to show the actual system hardening work performed in each circuit-segment in 2021 for each of these categories.	Holly Wehrman Carolyn Chen Layla Labagh	2/24/2022	3/2/2022	3/3/2022	0	7.3.5.2	Vegetation Management (VM) and Inspections	Enhanced Vegetation Management
Pre-Discovery 75	CalPA	Set WMP-11	CalAdvocates-PGE-2022WMP-11	3	CalAdvocates-PGE-2022WMP-11_3	Rows should be added as needed to cover all circuit-segments where PG&E performed system hardening work in 2021. a) Installation of covered conductor b) Installation of underground conductor c) Removal of overhead conductor d) Removal of overhead conductor associated with remote inspection	Holly Wehrman Carolyn Chen Layla Labagh	2/24/2022	3/2/2022	3/3/2022	1	7.3.3.17	Grid Design and System Hardening	System Hardening
Pre-Discovery 76	CalPA	Set WMP-11	CalAdvocates-PGE-2022WMP-11	4	CalAdvocates-PGE-2022WMP-11_4	As stated in PG&E's response to Data Request CalAdvocates-PGE-2022WMP-03, February 15, 2022, attachment "WMP-Discovery2022_DR_CalAdvocates_003-Q02Supp01atch01CONF.xlsx," PG&E installed 153.1 miles of covered conductor in HFTD in 2021, and 108.8 miles of underground conductor in HFTD in 2021, which totals 261.9 miles. Please explain the apparent discrepancy in number of miles between the above documents.	Holly Wehrman Carolyn Chen Layla Labagh	2/24/2022	3/2/2022	3/3/2022	0	7.3.3.17	Grid Design and System Hardening	System Hardening