Count	Party Name	Data Set	Link to D Data Request	iscovery Respondent	onses: https Question ID	://www.pge.com/en_US/safety/emergency-preparedness/natural-o	disaster/wildfires/w Requestor	vildfire-mitig Date Rec'd	Final Duo		Number	WMP Section	Category	Subcategory
1	CalPA	Set WMP-12	CalAdvocates-PGE- 2022WMP-12	1	1 17) 1	In response to Data Request CalAdvocates-PGE-2022WMP-03, Question 5, PG&E stated with regard to detailed ground inspections of transmission towers, "The average number of inspections completed per day in 2021 was 10.9 for contractors, and 7.6 for internal	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-	PG&E inspectors." In response to Data Request CalAdvocates-PGE-2022WMP-03, Questions 9-11, PG&E responded that "PG&E's search of LC tags issued as a result of both desktop and field Quality Control reviews did not identify any Priority A or Priority B LC tags issued" for climbing,	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	drone, or detailed ground inspections of transmission structures. For desktop Quality Control reviews of transmission drone inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0	7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
4	CalPA	Set WMP-12	CalAdvocates-PGE- 2022WMP-12	4	CalAdvocate s-PGE- 2022WMP- 12_4	For desktop Quality Control reviews of transmission detailed ground inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0	7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
5	CalPA	Set WMP-12	CalAdvocates-PGE- 2022WMP-12	5	CalAdvocate s-PGE- 2022WMP- 12_5	For field Quality Control reviews of transmission climbing inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0	7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
6	CalPA	Set WMP-12	CalAdvocates-PGE- 2022WMP-12	6	CalAdvocate s-PGE- 2022WMP- 12_6	For field Quality Control reviews of transmission drone inspections, please provide the same data as requested in Question 2	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0	7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
7	CalPA	Set WMP-12	CalAdvocates-PGE- 2022WMP-12	7	CalAdvocate s-PGE- 2022WMP- 12_7	For field Quality Control reviews of transmission detailed ground inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0	7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
8	CalPA	Set WMP-12	CalAdvocates-PGE- 2022WMP-12	8	CalAdvocate s-PGE- 2022WMP- 12_8	In response to Data Request CalAdvocates-PGE-2022WMP-08, G3Question 4, PG&E stated that PG&E System Inspection Quality Control found through Desktop Reviews that 60% of inspections had no mistakes and 13% of inspections resulted in a "Failed Review." Through Field Reviews, Quality Control found that 45% of inspections had	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0	7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
9	CalPA	Set WMP-12	CalAdvocates-PGE- 2022WMP-12	9	CalAdvocate s-PGE- 2022WMP- 12_9	For Desktop Quality Control reviews of detailed distribution inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0	7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
10	CalPA	Set WMP-12	CalAdvocates-PGE- 2022WMP-12	10	CalAdvocate s-PGE- 2022WMP- 12_10	For Field Quality Control reviews of detailed distribution inspections, please provide the same data as requested in Question 2.	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0	7.3.4.14	Asset Management and Inspections	Quality assurance / quality control of inspections
11	CalPA	Set WMP-12	CalAdvocates-PGE- 2022WMP-12	11	CalAdvocate s-PGE- 2022WMP- 12_11	In response to Data Request CalAdvocates-PGE-2022WMP-04, Question 2, PG&E stated that "The requested information is provided in PG&E's 2022 WMP in Section 7.1.F. PG&E is providing attachment "WMP-Discovery2022_DR_CalAdvocates_004-Q02Atch01.zip" which has been prepared with the same information in the requested shapefile format." Cal	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0	7.1.F	Wildfire Mitigation Strategy	Wildfire Risk Data
12	CalPA	Set WMP-12	CalAdvocates-PGE- 2022WMP-12	12	CalAdvocate s-PGE- 2022WMP- 12_12	The file "WMP_section_71F.gdb" submitted with PG&E's 2022 WMP contains a layer titled "WMP_section_71F Distribution_Wildfire_Risk." This layer has the following attributes: OBJECTID mean_mavf_core_risk In response to Data Request CalAdvocates-PGE-2022WMP-04, Question	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	10, PG&E stated, "At this time, the program cannot forecast with accuracy the split of the 2022 budget forecast into Covered Conductor, Underground, and Line Removal." a) Please explain how PG&E developed the forecast total expenditure of In response to Data Request CalAdvocates-PGE-2022WMP-08, Question	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	topology to minimize risk of ignition in HFTDs, System Hardening,
14	CalPA	Set WMP-12	CalAdvocates-PGE- 2022WMP-12	14		7, PG&E stated, "We did not change the priority of the corrective notification during the period of February 19, 2020 to June 16, 2021 because none of the inspectors who reviewed this location during this time period recommended a priority change of the corrective	Holly Wehrman Carolyn Chen Layla Labagh	3/3/2022	3/8/2022	3/8/2022	0	7.3.3.12.4	Grid Design and System Hardening	Other corrective action, Maintenance, Distribution
15	CalPA	Set WMP-13	CalAdvocates-PGE- 2022WMP-13	1	s-PGE- 2022WMP- 13_1	2021 WMP Initiative 7.3.3.17.4 Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter: The current REFCL pilot project at Calistoga experienced unsuccessful technology integration and implementation to date. We have encountered ah What is the sauce of the sauce	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	2022WMP- 13_2	b) Does PG&E plan to continue the REFCL program? c) If the answer to subpart (b) is "yes", please describe PG&E's current plans (with specific project timelines and milestones) for the REFCL	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	0	7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
17	CalPA	Set WMP-13	CalAdvocates-PGE- 2022WMP-13	3	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 iPG&Esizozz Willtesiates:	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	s-PGE- 2022WMP- 13_4	The Calistoga REFCL pilot project finished construction in 2020. In 2021, PG&E attempted to commission and test the REFCL technology in Calistoga. PG&E completed an elevated voltage stress test and one field ground fault test which demonstrated that REFCL technology can be PG&E's 2022 White States are the Calistoga PEFCL with demonstration and the calibration of the control of the control of the calibration of the control of the calibration of th	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	s-PGE- 2022WMP- 13_5	After the initial positive tests, the Calistoga REFCL pilot demonstration was stalled due to the failure of the substation REFCL equipment. In addition, PG&E had difficulty obtaining replacement equipment from various overseas suppliers due to supply chain issues and the ongoing COVID-19 a) Howein a wildfing risks 0.	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	s-PGE- 2022WMP- 13_6	reducing wildfire risks? b) Please provide any available supporting documentation regarding your response to subpart (a) above. c) How effective is REFCL compared to undergrounding in reducing	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh	3/4/2022	3/9/2022	3/9/2022	0	7.3.3.17.4	Grid Design and System Hardening	Rapid Earth Current Fault Limiter
21	CalPA	Set WMP-13	CalAdvocates-PGE- 2022WMP-13	7	s-PGE- 2022WMP- 13_7	REFCL technology could not be fully evaluated beyond the initial testing because of the equipment failure and supply chain issues. As a result, PG&E is looking to further study REFCL capabilities after obtaining replacement supplies and making repairs and modifications at the PG\(\frac{122}{1200}\) \(\frac{122}{1200}\) \(\	Miles Gordon Holly Wehrman Carolyn Chen Layla Labagh Miles Gordon	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		s-PGE- 2022WMP- 13_8	REFCL initiative in 2021: • PG&E should use gang operated switchgear and protective devices instead of single pole operated devices for REFCL installations. • PG&E should consider the use of domestically available equipment for FEBE FEST rearrains derivate case mesunhority, exhibit PG&E-4, states the following regarding the REFCL program:	Holly Wehrman Carolyn Chen Layla Labagh Miles Gordon	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	s-PGE- 2022WMP- 13_9	Based on our initial testing and the successful implementation in Australia, PG&E has developed a short-term strategy to install REFCLs in HFTD areas. PG&E forecasts deploying REFCLs at an additional two substations regarding the stem 2022 wild intratives: note and 17.3.3.17.4 – Updates to grid topology to minimize risk of ignition in	Holly Wehrman Carolyn Chen Layla Labagh Miles Gordon	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	s-PGE- 2022WMP- 13_10	HFTDs, Rapid Earth Current Fault Limiter11 • 7.3.6.8 – Protective Equipment and Device Settings" 12 Please explain: Ith Ith Leave Take To Stipping and Ta	Holly Wehrman Carolyn Chen Layla Labagh Miles Gordon	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		s-PGE- 2022WMP- 13_11	7.3.3.17.4—Updates to grid topology to minimize risk of ignition in HFTDs, Rapid Earth Current Fault Limiter. a) Please explain why PG&E is not providing RSE information for this initiative in the 2022 WMP or relevant supporting attachments. Considering Maturity Model Survey question E.IV.h, how would PG&E	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 Vegetation	Rapid Earth Current Fault Limiter
26	OEIS	Set 003	OEIS-PG&E-22- 003 OEIS-PG&E-22-	1	0EIS-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) Considering Maturity Model Survey question E.V.f, how would PG&E	Kevin Miller	3/4/2022	3/10/2022	3/10/2022	0	7.3.5	Management (VM) and Inspections Vegetation	Vegetation grow-in mitigation Vegetation fall-in
27	OEIS	Set 003 Set 003	003 OEIS-PG&E-22- 003	3	22-003_2	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) Trom 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	Kevin Miller Kevin Miller	3/4/2022	3/10/2022	3/10/2022	0	7.3.5	Management (VM) and Inspections Vegetation Management (VM)	mitigation Vegetation inspection
29	OEIS	Set 003	003 OEIS-PG&E-22- 003	4	OEIS-PG&E-	vegetation growth" to schedule vegetation inspections (E.II.c). However, Concentilly and willy survey uses 1000 here. The concentration of the concentration	Kevin Miller	3/4/2022	3/10/2022	3/10/2022	0	7.3.5	and Inspections Vegetation Management (VM) and Inspections	effectiveness Vegetation grow-in mitigation
30	OEIS	Set 003	OEIS-PG&E-22- 003	5	OEIS-PG&E- 22-003_5	fir tidaalequesno2.13-r GRE-22-002, Energy Salety asked r GRE 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	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		s-PGE- 2022WMP-	it takes PG&E to complete a system hardening project that spans 1-2 miles. a)Please provide a list of all types of system hardening projects that are included in this table's data. b)Please provide a separate table highlighting the average time frame to	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.3	Grid Design and System Hardening	Covered Conductor Installation
32	CalPA	Set WMP-14	CalAdvocates-PGE- 2022WMP-14		s-PGE- 2022WMP-	rg. 435 or your 2022 with topoate states, nine table represents traserable overhead System Hardening projects after scoping is completed. As mentioned above, Fire Rebuild occurs on a faster cycle." Therefore, please disaggregate table 7.3.3-1 into separate data according to the following project types (assuming that projects are comparable in scale):	Dillon Copa Holly Wehrman Carolyn Chen Layla Labagh	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.3	Grid Design and System Hardening	Covered Conductor Installation

Part		T	T		T	T	JON Pg. 442 OI PG&E'S 2022 WIMP, PG&E SIAIES, IN 2021, PG&E Ideniilied J		ı	Г	ı		T		1
Mathematical Math	33	CalPA	Set WMP-14	•		s-PGE- 2022WMP-	deteriorated crossarms." a)Please provide a .gdb spatial file showing where PG&E completed repairs of the deteriorated crossarms noted above.	Holly Wehrman Carolyn Chen	3/10/2022	3/15/2022	3/15/2022	1	7.3.3.5	1 ~	Maintenance, Repair and
March Marc	34	CalPA	Set WMP-14		I	s-PGE- 2022WMP-	replaced 16,359 poles and reinforced 3,012 poles." a)Please provide a .gdb spatial file showing where PG&E replaced poles. b)Please provide a .gdb spatial file showing where PG&E reinforced poles.	Holly Wehrman Carolyn Chen	3/10/2022	3/15/2022	3/15/2022	1	7.3.3.6		
Mary	35	CalPA	Set WMP-14	I	I	s-PGE- 2022WMP-	intrusion issues have been identified in some of the "Viper" branded reclosers that have been installed on the PG&E system. After significant rains in the fall of 2021, this issue, which impacts the functionality but not the safety of these devices, was identified in several locations."	Holly Wehrman Carolyn Chen	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.8.1	_	
Part	36	CalPA	Set WMP-14			s-PGE- 2022WMP-	target to install 29 switches by September 1, 2021. In addition, we installed 12 T-Line SCADA switches benefitting PSPS operations after September 1, 2021, for a 2021 total of 41." a) Please provide GIS point location data (in .gdb format) showing where	Holly Wehrman Carolyn Chen	3/10/2022	3/15/2022	3/15/2022	2	7.3.3.8.2	_	
1.	37	CalPA	Set WMP-14		.]	s-PGE- 2022WMP- 14_7	conditions in 2021, none of the substations where generation was staged were utilized in the 2021 PSPS season." a)What lessons did PG&E learn about staging temporary generation from its experience in 2021?	Holly Wehrman Carolyn Chen	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.11.1	_	
Barrier Barrier State	38	CalPA	Set WMP-14	•		CalAdvocate s-PGE- 2022WMP-	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."	Holly Wehrman Carolyn Chen	3/10/2022	3/15/2022	3/15/2022	2	7.3.3.13	_	Infrastructure Hardening and
Column	39	CalPA	Set WMP-14	I	9	s-PGE- 2022WMP-	circuit-miles of transmission system hardening in 2022. a)Please disaggregate these circuit-miles of transmission hardening into the following types: bare-wire overhead hardening, conductor removal,	Holly Wehrman Carolyn Chen	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.17.2	•	,
Part	40	CalPA	Set WMP-14	I	10	s-PGE- 2022WMP-	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	Holly Wehrman Carolyn Chen	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.17.5	_	Remote Grid
Part	41	CalPA	Set WMP-14		11	s-PGE- 2022WMP-	"trench miles" "circuit miles" and "underground miles". a)Please define each of these terms. b)How does each term differ from one another?	Holly Wehrman Carolyn Chen	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.17.6		
Bellet	42	CalPA	Set WMP-14		12	s-PGE- 2022WMP-	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	Holly Wehrman Carolyn Chen	3/10/2022	3/15/2022	3/15/2022	0	7.3.3.17.6	_	, ,
Column	43	CalPA	Set WMP-14		13	s-PGE- 2022WMP-	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	Holly Wehrman Carolyn Chen	3/10/2022	3/15/2022	3/15/2022	1	7.3.3.17	_	System Hardening
March Cale	44	CalPA	Set WMP-15			s-PGE- 2022WMP-	Questions 1-3, are summarized in the following table: Tree Attachments Existing as of 2/1/2022 Tree Attachments Remediated in 2021 Tree Attachments to be removed in 2022	Carolyn Chen	3/11/2022	3/16/2022	3/16/2022	0	7.3.3	_	Tree Attachments
Part	45	CalPA	Set WMP-15			s-PGE- 2022WMP-	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	Carolyn Chen	3/11/2022	3/16/2022	3/16/2022	0	7.3.3	_	Tree Attachments
Column	46	CalPA	Set WMP-15]	s-PGE- 2022WMP-	9, PG&E provided its Quality Reviews of the potential exceptions identified in the Federal Monitor Report from November 19, 2021. Per the file "WMP-Discovery2022_DR_CalAdvocates_010-Q09Atch01.xlsx" PG&E agrees with the Federal Monitor (column J) in 1,576 findings. Of	Carolyn Chen	3/11/2022	3/16/2022	3/16/2022	0	7.3.4.14	_	Assurance/Quality Control of
April	47	CalPA	Set WMP-15		. 4	s-PGE- 2022WMP-	9, PG&E provided its Quality Reviews of the potential exceptions identified in the Federal Monitor Report from November 19, 2021. Per the file "WMP-Discovery2022_DR_CalAdvocates_010-Q09Atch02.xlsx" PG&E agrees with the Federal Monitor (column K) in 636 findings. Of those	Carolyn Chen	3/11/2022	3/16/2022	3/16/2022	0	7.3.4.14	•	Assurance/Quality Control of
March September Company Comp	48	CalPA	Set WMP-15		5	s-PGE- 2022WMP-	Finally, it is important to note that in this 2022 WMP, the model that is used for the development of workplans for the distribution system is the 2021 WDRM v2 which is described above and in the 2021 WMP. As described in (9) below, the 2022 WDRM v3 is still being reviewed prior to approval.	Carolyn Chen	3/11/2022	3/16/2022	3/16/2022	0	4.5	Calculation	
Column C	49	CalPA	Set WMP-15			s-PGE- 2022WMP-	8, PG&E provided its distribution system hardening workplan for 2022. Column P of attachment "WMP-Discovery2022_DR_CalAdvocates_004-Q08Atch01.xlsx" lists the risk ranking of each CPZ where PG&E plans to perform system hardening work.	Carolyn Chen	3/11/2022	3/16/2022	3/16/2022	0	7.3.3.17.1	•	,
Capp Septiment Capp Septiment Capp Septiment Septime	50	CalPA	Set WMP-15	I	7	s-PGE- 2022WMP-	To avoid exposing the model to misleading data, the training events are restricted to June through November. This does not require the assumption that no wildfires are possible in other months, but only that any ignitions and wildfires that do occur would have the same relationship with the model	Carolyn Chen	3/11/2022	3/16/2022	3/16/2022	0	4.5	Calculation	
April	51	CalPA	Set WMP-15		8	s-PGE- 2022WMP-	submission, E3's review of 2022 WDRM v3 and WFC Model has not been completed." a) When does PG&E expect this review to be complete? b) Please provide a copy of E3's review of PG&E's 2022 WDRM v3 and	Carolyn Chen	3/11/2022	3/16/2022	3/16/2022	0	4.5	Calculation	
Cappe	52	CalPA	Set WMP-15	•	9	s-PGE- 2022WMP-	PG&E refers to the Progress Report it filed on November 1, 2021. Page 39 of this Progress Report states the following with respect development of the system hardening workplan: In addition, for some CPZs, although the CPZ is not itself the highest risk	Carolyn Chen	3/11/2022	3/16/2022	3/16/2022	0	4.6		Progress on Twenty- Nine Remedies
Set Carlin Carl	53	CalPA	Set WMP-15			s-PGE- 2022WMP-	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	Carolyn Chen	3/11/2022	3/16/2022	3/16/2022	0	7.1.B	_	Outcomes in Decision-Making
Sel MMR-15 Sel	54	CalPA	Set WMP-15		11	s-PGE- 2022WMP-	Question 1, shows three open Priority A corrective notifications on PG&E's distribution system in HFTD with "Authorized End Dates" earlier than February 1, 2022. a) Why hasn't PG&E resolved these notifications yet?	Carolyn Chen	3/11/2022	3/16/2022	3/16/2022	0	7.3.4		
Set VIVIP-16	55	CalPA	Set WMP-15	•	12	s-PGE- 2022WMP-	Question 1, shows 785 open Priority B corrective notifications on PG&E's distribution system in HFTD with "Authorized End Dates" earlier than February 1, 2022. a) Why hasn't PG&E resolved these notifications yet?	Carolyn Chen	3/11/2022	3/18/2022	3/18/2022	0	7.3.4	_	
Set VMP-15 CalPA	56	CalPA	Set WMP-15			s-PGE- 2022WMP-	Question 1, shows 111,502 open corrective notifications on PG&E's distribution system in HFTD with "Authorized End Dates" earlier than February 1, 2022 (that is, overdue notifications). Cal Advocates understands that the majority of these were opened in 2019 and later years	Carolyn Chen	3/11/2022	3/18/2022	3/18/2022	0	7.3.4	_	
CallAdvocates-PGE 2022/WIMP-15 CallAdvocates-PGE 2022/WIMP-15 15 2022/WIMP-16 15 2022/WIMP-16 15 2022/WIMP-16 16 2022/WIMP-16 2022/WIMP-16 16 2022/WIMP-16 2022/WIMP-16 16 2022/WIMP-16 2022/WIMP-16 16 2022/WIMP-16 2022	57	CalPA	Set WMP-15	I	14	s-PGE- 2022WMP-	2022WMP-09: a) Does PG&E regularly monitor how many overdue, unresolved corrective notifications it has? b) Does PG&E take any special action when a corrective notification is	Carolyn Chen	3/11/2022	3/16/2022	3/16/2022	0	7.3.4	_	Additional Detail
Set WMP-15 CalAdvocation-PGE 2022/WMP-15 16 CalAdvocation-PGE 2022/WMP-15 15 16 CalAdvocation-PGE 2022/WMP-15 15 CalAdvocation-PGE 2022/WMP-15 15 CalAdvocation-PGE 2022/WMP-15 15 CalAdvocation-PGE 2022/WMP-15 15 CalAdvocation-PGE 2022/WMP-15 CalAdvocation-PGE 2022/WMP-16 CalAdvocation-PGE 2022/WMP-15 CalAdvocation-PGE 2022/WMP-15 CalAdvocation-PGE 2022/WMP-16 CalAdvocation-PGE 2004 CalAdvocation-PGE 2004 CalAdvocation-PGE 2004 CalAdvocation-PGE 2004 CalAdvocation-PG	58	CalPA	Set WMP-15		. 15	s-PGE- 2022WMP-	Update_R0_Section 7.3.a_Atch01.xlsx do not appear to follow the template included in Energy Safety's Final 2022 Wildfire Mitigation Plan (WMP) Update Guidelines, Attachment 3. Please provide an updated version of this file with data in the latest	Carolyn Chen	3/11/2022	3/16/2022	3/16/2022	0	7.3.a		
OEIS-PG&E-22-004 1 OEIS-PG&E-22-004 2 1 OEIS-PG&E-22-004 2 2 OEIS-PG&E-22-004 3 OEIS-PG&E-22-004 2 OEIS	59	CalPA	Set WMP-15		. 16	s-PGE- 2022WMP-	vegetation management and Enhanced Vegetation Management (EVM) under initiative "7.3.5.2 Detailed inspections and management practices for vegetation clearances around distribution electrical lines and equipment." Previously, EVM was listed separately from routine vegetation	Carolyn Chen	3/11/2022	3/18/2022	3/18/2022	0	7.3.5	Management (VM)	
oEIS-PG&E-22- 004 OEIS-PG&E-22	60	OEIS	Set 004		1	OEIS-PG&E-	technical paper for each of the following from Table 9.5-1 Glossary of Primary Models (p. 1038):	Kevin Miller	3/11/2022	3/16/2022	3/16/2022	2	4.5	Calculation	(FPI) Model / PSPS Consequence
62 OEIS Set 004 OEIS-PG&E-22-004 3 Section 7.3.2 of the 2022 Guidelines requires the inclusion of a "climate-driven risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk map and modeling based on various relevant weather scenarios risk marked as all provided by such season of the correct various relevant weather scenarios risk marked as all provided by such season of the correct various relevant weather scenarios risk marked as all provided by such season of the correct various relevant weather scenarios risk marked as all provided relevant various relevant weather scenarios risk marked as all provided relevant various relevant weather scenarios relevan	61	OEIS	Set 004		2	22-004 2	चे निर्माट निरुद्ध में चिर्म पिर्मिष्ट पिरमिष्ट पिर्मिष्ट पिर्मिष्ट पिर्मिष्ट पिर्मिष्ट पिर्मिष्ट पिर्मिष्ट पिर्मिष्ट पिरमिष्ट पिरमि	Kevin Miller	3/11/2022	3/16/2022	3/16/2022	1	7.3.a	Detailed Wildfire	Financial Data on
OEIS-PG&E-22-004 4 OEIS-PG&E-22-004 4 OEIS-PG&E-22-004 4 OEIS-PG&E-22-004 5 (incorrectly marked as 4) OEIS-PG&E-22-004	62	OEIS	Set 004		3		a) Section 7.3.2 of the 2022 Guidelines requires the inclusion of a "climate-driven risk map and modeling based on various relevant weather scenarios	Kevin Miller	3/11/2022	3/16/2022	3/16/2022	0	7.3.1		Climate Trends
64 OEIS Set 004 OEIS-PG&E-22-	63	OEIS	Set 004	004	4	22-004_4	from past catastrophic fires? a) Include page numbers in the 2022, 2021, or 2020 WMP for discussion of each of the following applied lessons and a description of such changes: ikegatung ritaget Fire Atlantic Canada Fire Bedward Fire and Number 1.	Kevin Miller	3/11/2022	3/16/2022	3/16/2022	0	4.2	and Risk Trends	
OEIS-PG&E-22- 6 (incorrectly marked as 5) OEIS Set 004 OEIS-PG&E-22- 6 (incorrectly marked as 5) OEIS-PG&E-32- 6 (64	OEIS	Set 004		,	(incorrectly marked as	the "Other" category in Rows 20, 39, 65, and 91. b) Why is PG&E expecting an increase in wire-down events for the	Kevin Miller	3/11/2022	3/17/2022	3/17/2022	0	7.3.a		
	65	OEIS	Set 004		` ,	22-004_6 (incorrectly	a) Why is PG&E expecting an increase in ignitions for the following from 2022 to 2023?:	Kevin Miller	3/11/2022	3/16/2022	3/16/2022	0	7.3.a		

66	CalPA	Set WMP-16	CalAdvocates-PGE-		s-PGE-	Page 63 For PG&E's 2022 WINIP states, Pacific Gas and Electric Company (PG&E) works to inform customers, landowners, and communities about VM work taking place and our role in increasing public safety as well as	Dillon Copa Carloyn Chen	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM)	Additional Efforts to Manage Community
	2.17.1		2022WMP-16 CalAdvocates-PGE-		16_1	reducing fire risk." a) What communication methods are PG&E employing to effectively Page 52 of Ptg&E \$2022 vivir states, PG&E has linished the development of our new process to standardize and enhance customer and community engagement for electric VM work."	Layla Labagh Dillon Copa						and Inspections	and Environmental Impacts Additional Efforts to Manage Community
67	CalPA	Set WMP-16	2022WMP-16	2	2022WMP- 16_2	a)Please provide further information on the new process referred to above. Page 857 or PG&E'S 2022 WMP statets, AS or December 31, 202 r, PG&E'S internal resources and contractor partners had worked approximately	Carloyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Management (VM) and Inspections	and Environmental Impacts Detailed Inspections and Management
68	CalPA	Set WMP-16	CalAdvocates-PGE- 2022WMP-16	3	s-PGE-	1,486,330 trees in our Routine VM program and 34,189 trees in our Tree Mortality program. In addition, we completed 1,983 miles of EVM work." a)Please provide total miles completed in PG&E's Routine VM program in Page dispersions.	Dillon Copa Carloyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Practices for Vegetation Clearances Around
69	CalPA	Set WMP-16	CalAdvocates-PGE- 2022WMP-16		s-PGE-	transition the maintenance of EVM work that has already been performed to Routine VM patrols." a)How did PG&E come to the decision to begin to transition the maintenance of EVM work to Routine EVM patrols?	Dillon Copa Carloyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	and Management Practices for Vegetation Clearances Around
70	CalPA	Set WMP-16	CalAdvocates-PGE- 2022WMP-16	5		Page 645 to PC&E to 2022 Winip transition viegetta control and re-prioritized if determined necessary by the local PG&E VM Point of Contact." a) Please describe the steps PG&E takes to review and re-prioritize	Dillon Copa Carloyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Response Vegetation Management Due to Red Flag Warning
71	CalPA	Set WMP-16	CalAdvocates-PGE- 2022WMP-16	6	s-PGE-	seculation: 7:3:3:7 bit PG&E's 2022 Wrine triscuss retiribite the Sing inspections of vegetation around distribution electric lines and equipment. a) Please describe the circumstances in which PG&E employs ground-based LiDAR inspections. b) Please describe the circumstances in which PG&E employs aerial	Dillon Copa Carloyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Renther Sensing Inspections of Vegetation Around Distribution Electric Lines and
72	CalPA	Set WMP-16	CalAdvocates-PGE- 2022WMP-16	7	CalAdvocate s-PGE- 2022WMP-	On page 657 PG&E provides Table 7.3.5-2, which shows planned mileage	Dillon Copa Carloyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Refrictive Sensing Inspections of Vegetation Around Distribution Electric
73	CalPA	Set WMP-16	CalAdvocates-PGE- 2022WMP-16	8	s-PGE- 2022WMP-	b)Adding a row with data on actual mileage completed in 2021. Section 7.3.5.6 or PG&E'S 2022 WIVIP discuss remote sensing inspections of vegetation around transmission electric lines and equipment. a)Please describe the circumstances in which PG&E employs ground-based LiDAR inspections.	Dillon Copa Carloyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Lines and Refrictive sensing Inspections of Vegetation Around Transmission
74	CalPA	Set WMP-16	CalAdvocates-PGE- 2022WMP-16	9	16_8 CalAdvocate s-PGE- 2022WMP-	b)Please describe the circumstances in which PG&E employs aerial LiDAR inspections For Section 7.3.5.8 (regarding remote sensing on transmission facilities), please provide a table equivalent to Table 7.3.5-2, with the additions specified above in Question 7.	Dillon Copa Carloyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Electric Lines and Refrictiesensing Inspections of Vegetation Around Transmission
75	CalPA	Set WMP-16	CalAdvocates-PGE- 2022WMP-16	10		7.3.5.3. a)Please explain why section 7.3.5.2 entails CAPEX and OPEX spending as opposed to only OPEX spending for 7.3.5.3.	Dillon Copa Carloyn Chen Layla Labagh	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Electric Lines and Equipment VM Spend
76	CalPA	Set WMP-16	CalAdvocates-PGE- 2022WMP-16		s-PGE-	b)Please describe the capital expenditures planned in 2022 for section 37 March 2, 2022, PG&E presented its 2023 General Rate Case wildline Supplemental Testimony Overview." Slide 17 of this presentation includes the following chart, which appears to show a significant decrease in planned EVM spending from 2022 to 2023.	Dillon Copa Carloyn Chen	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Vegetation Management (VM)	EVM Spend
77	CalPA	Set WMP-16	CalAdvocates-PGE-		16_11 CalAdvocate s-PGE-	a)Does PG&E expect to significantly reduce spending on EVM beginning inable 3.ਤਾ indipated 27 this ਸਾਰਕਣ ਨੇ ਸਦਾਂਤਵਰ 2021 ਆਆਸ, June 3, 2021, showed a mileage target of 111 miles for initiative 7.3.3.17.2 "System Hardening – Transmission Conductor." Table PG&E-5.3-1(A) on page 267	Dillon Copa Carloyn Chen	3/18/2022	3/23/2022	3/23/2022	0	7.3.3	and Inspections Grid Design and	System Hardening –
			2022WMP-16 OEIS-PG&E-22-		16_12	of PG&E's 2022 WMP shows a mileage target of 32 miles for the same initiative. Please evaluin the reason for the decrease in the mileage target for this Q01. Provide and describe the "EPSS Reliability Impact analysis" as	Layla Labagh						System Hardening Grid Design and	Transmission EPSS Reliability
78	OEIS	Set 005	005 OEIS-PG&E-22-	1		mentioned on page 494 of PG&E's 2022 WMP Update. Q02. How many poles in PG&E's territory are subject to PRC 4292?	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	1	7.3.3	System Hardening Vegetation	Impact analysis PRC 4292
79	OEIS	Set 005	005 OEIS-PG&E-22-	2	22-005_2 OEIS-PG&E-	a) How many of these poles does PG&E intend to inspect and work (as necessary) in 2022? QUS. FGAE TIQUED DUTING THE WORKSHOP THAT IT HAS THEED PRE-INSPECTORS AS Union employees.	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Management (VM) and Inspections Vegetation	Applicability Contractor/Employe
80	OEIS	Set 005	005 OEIS-PG&E-22-	3	22-005_3 OEIS-PG&E-	a) What percentage of pre-inspectors are contractors and what percentage are PG&E employees? \times \text{UJ:r-B&L Fisher daindiff are works not franchas nite corp. e-intspectors as union employees.}	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Management (VM) and Inspections Vegetation	e Performance Contractor/Employe
80	OEIS	Set 005	005 OEIS-PG&E-22-	3 REV	22-005_3 REV OEIS-PG&E-	a) What percentage of pre-inspectors are contractors and what percentage are PG&E employees? \time\tag{\tag{\tag{\tag{\tag{\tag{\tag{	Kevin Miller	3/18/2022	4/1/2022	4/1/2022	0	7.3.5	Management (VM) and Inspections Vegetation	e Performance Quanty Assurance/Quality
81	OEIS	Set 005	005	4	22-005_4	a) Percentage of inspections with infractions found (e.g., under-trimming, overtrimming, missed hazard tree, improper clean-up etc.). \(\text{	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	1	7.3.5	Management (VM) and Inspections Vegetation	Control of Vegetation Megaanyont Assurance/Quality
82	OEIS	Set 005	OEIS-PG&E-22- 005	5	OEIS-PG&E- 22-005_5	the shortfall including resource constraints. How is PG&E: a) Addressing resource constraints for QA/QV? Q\OM:\text{nirrsieicnottrns:s:1.5;nfdⅇ pftoloetsfntend/\text{nlohl}\text{fntend}\text{lohl}\text{model}\text{v} auaits it intended to perform in2021 (e.g., for QAVM-Distribution Audits, PG&E had	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Management (VM) and Inspections Vegetation	Control of Vegetation Mecaanyeet Assurance/Quality
83	OEIS	Set 005	OEIS-PG&E-22- 005	6	OEIS-PG&E- 22-005_6	planned to complete 65 audits). Provide the number of audits PG&E plans to perform in 2022 for each QA/QV program:	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	0	7.3.5	Management (VM) and Inspections	Control of Vegetation
84	OEIS	Set 005	OEIS-PG&E-22- 005	7	OEIS-PG&E- 22-005_7	2021, event that resulted in a massive level of damages that severely impacted restoration." a) Explain the types of damage. िर्मा कार्य	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	1	8	PSPS	Jan. 19, 2021 Event
85	OEIS	Set 005	OEIS-PG&E-22- 005	8	OEIS-PG&E- 22-005_8	on p. 866 PG&E indicates "external communications and customer notification processes showed large improvements in 2021. PG&E will continue to work on this as an area for further improvement in 2022, to report the continue to work on this as an area for further improvement in 2022, to report the continue to work or t	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	0	8	PSPS	Additional Detail
86	OEIS	Set 005	OEIS-PG&E-22- 005	9	OEIS-PG&E- 22-005_9	ratepayer due to wildfire mitigation activities (total) is markedly higher than the ratepayer impact provided by PG&E's direct utility peers: - 2021 for PG&E \$11.63, SCE \$1.60, and SDG&E \$0.00	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	0	3.2	Summary of Ratepayer impact	VM Spend
87	OEIS	Set 005	OEIS-PG&E-22- 005	10	OEIS-PG&E- 22-005_10	areas in its service area led to a significant reduction in ignitions. After reviewing the ignition data submitted by PG&E, the basis of this claim is unclear (i.e., the total ignitions and annual ignitions normalized by Perinamental bredities 2022 vimignition of this claim is a constant.	Kevin Miller	3/18/2022	3/23/2022	3/23/2022	1	7.3.6.8	EPSS	Ignition Trends
88	CalPA	Set WMP-17	CalAdvocates-PGE- 2022WMP-17	1	s-PGE-	7.3.6.8 "Protective equipment and device settings" are as follows: 2021: \$18.2 million (actual) 2022: \$142.6 million (projected) 2023: \$140.5 million (projected) are as follows:	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.6.8	EPSS	EPSS Spend
89	CalPA	Set WMP-17	CalAdvocates-PGE- 2022WMP-17	2	s-PGE-	you currentlyforecast to occur in 2022. Provide a range if a specific estimate is not available. b) Please provide an estimate for the average duration of EPSS-related outages that youcurrently forecast to occur in 2022. Provide a range if a	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.6.8	EPSS	EPSS-related outages
90	CalPA	Set WMP-17	CalAdvocates-PGE- 2022WMP-17	3	s-PGE-	energize a line rapidly upon detecting a fault. SCE's program is referred to here as "Fast Curve." SDG&E's program is referred to here as "Sensitive relay settings." a) When did PG&E first become aware of SCE's fast curve settings?	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.6.8	EPSS	Device settings
91	CalPA	Set WMP-17	CalAdvocates-PGE- 2022WMP-17	4	CalAdvocate s-PGE- 2022WMP- 17_4	a) Has PG&E engaged in benchmarking, data-sharing, or other collaboration with SCE with regards to PG&E's EPSS program? b) If the answers to parts (a) is yes, please describe the collaboration(s). c) If the answers to parts (a) is no, please explain why not.	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.6.8	EPSS	Benchmarking
92	CalPA	Set WMP-17	CalAdvocates-PGE- 2022WMP-17	5	s-PGE- 2022WMP-	a) Has PG&E engaged in benchmarking, data-sharing, or other collaboration with SDG&E with regards to PG&E's EPSS program? b) If the answers to parts (a) is yes, please describe the collaboration(s). c) If the answers to parts (a) is no, please explain why not.	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.6.8	EPSS	Benchmarking
93	CalPA	Set WMP-17	CalAdvocates-PGE- 2022WMP-17		s-PGE-	the site of an overhead system hardening project, Diamond Springs 1107. At this site, Cal Advocates discussed the installation of covered conductor with PG&E staff. Cal Advocates was informed that, for this project, wider crossarms were being installed to minimize line slap of the heavier covered	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.3.3	Grid Design and System Hardening	Covered Conductor Installation
94	CalPA	Set WMP-17	CalAdvocates-PGE- 2022WMP-17	7	s-PGE-	the site of an overhead system hardening project, Diamond Springs 1107. At this site, Cal Advocates discussed the installation of covered conductor with PG&E staff. Cal Advocates was informed that, for this project, new poles with intumescent wrap were being installed.	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/25/2022	3/25/2022	0	7.3.3.6	Grid Design and System Hardening	Distribution Pole Replacement and Reinforcement, Including with Composite Poles
94	CalPA	Set WMP-17	CalAdvocates-PGE- 2022WMP-17	7 SUPP	s-PGE- 2022WMP-	Childweinder 2, 2021, 'Cat ABVocates Stati (and other stakenowers) visited the site of an overhead system hardening project, Diamond Springs 1107. At this site, Cal Advocates discussed the installation of covered conductor with PG&E staff. Cal Advocates was informed that, for this project, new poles with intumescent wrap were being installed.	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	4/1/2022	4/1/2022	0	7.3.3.6	Grid Design and System Hardening	Distribution Pole Replacement and Reinforcement, Including with Composite Poles
95	CalPA	Set WMP-17	CalAdvocates-PGE- 2022WMP-17	8	s-PGE-	Update_R0_Section 4.6_Atch01.pdf' contain the joint response by PG&E, SCE, and SDG&E to the issue identified by Energy Safety titled "Limited evidence to support the effectiveness of covered conductor." Page 52 of this document states, with regard to risk event mitigation, "In	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	4.6	Progress Reporting on Key Areas of Improvement	
96	CalPA	Set WMP-17	CalAdvocates-PGE- 2022WMP-17	9	CalAdvocate s-PGE- 2022WMP- 17_9	a) What is the average trench depth PG&E employs in undergrounding projects? b) Has PG&E examined the potential benefits or drawbacks of shallower trenches? c) Please explain your response to part (b).	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.3.16	Grid Design and System Hardening	Undergrounding
97	CalPA	Set WMP-17	CalAdvocates-PGE- 2022WMP-17	10	CalAdvocate s-PGE- 2022WMP- 17_10	project completed during the period of January 1, 2020, through March 1, 2022. For each project, please provide the following information (as columns): a) Project ID number or other identifier5	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/29/2022	3/29/2022	2	7.3.3.16	Grid Design and System Hardening	Undergrounding

					1	Priease provide a file geodatabase with a polyline reature for each	T	T	Т	1				_
98	B CalPA	Set WMP-17	CalAdvocates-PGE 2022WMP-17		s-PGE-	undergrounding project completed during the period of January 1, 2020, through March 1, 2022. In addition to the spatial location, please provide the following attributes for each project: a) Project ID number or other identifier, matching part (a) of Question 10	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/29/2022	3/29/2022	1	7.3.3.16	Grid Design and System Hardening	Undergrounding
99) CalPA	Set WMP-17	CalAdvocates-PGE 2022WMP-17	12	s-PGE-	Per tre table on page 270 or PG&E'S 2022 WWP, In 2022 PG&E plans to complete detailed ground inspections on a minimum of 396,000 distribution poles. In 2021, PG&E targeted completing inspections on 477,309 distribution poles, and completed inspections on 480,749 distribution poles. Please state the basis for the reduction in planned distribution inspections	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.4	Asset Management and Inspections	Detailed Inspections of Distribution Electric Lines and Equipmen
100	0 CalPA	Set WMP-17	CalAdvocates-PGE 2022WMP-17	13	CalAdvocate s-PGE- 2022WMP- 17_13	Per the table on page 270 of PG&E's 2022 WMP, in 2021 PG&E completed detailed distribution inspections on all assets in HFTD Tier 3 and Zone 1, and approximately one-third of assets in HFTD Tier 2. Please describe any changes to the above strategy for PG&E's detailed	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.4.14	Asset Management and Inspections	Quality Assurance/Quality Control of Inspections
101	1 CalPA	Set WMP-17	CalAdvocates-PGE 2022WMP-17		s-PGE-	distribution inspections in 2022. Page 020 of PG&E'S 2022 WWIP States that Desktop QC activities are conducted based on "random selection," "targeted," or "probable cause." Random selection is described as "Determine the inspectors to evaluate using a simple random process methodology." Cal Advocates understands the above to mean that Desktop QC will	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.4.14	Asset Management and Inspections	Quality Assurance/Quality Control of Inspections
102	2 CalPA	Set WMP-17	CalAdvocates-PGE 2022WMP-17	15	_	Perf Table Tz brekses is 2022 virine, trie operating expenses ion mutative 7.3.4.14 "Quality assurance/quality control of inspections" is as follows: 2021: \$27.3 million (actual) 2022: \$6.0 million (projected) a) Please state the basis for the reduction in forecasted operating	Holly Wherman Carolyn Chen Layla Labagh	3/21/2022	3/24/2022	3/24/2022	0	7.3.4.1	Asset Management and Inspections	Quality
103	3 OEIS	Set 006	OEIS-PG&E-22- 006	1	OEIS-PG&E- 22-006_1	QO'nlitesporsetod vovibi- Distrotieryzuzz_DK_carAuvucares_uus-Quz,	Kevin Miller	3/22/2022	3/25/2022	3/25/2022	1	N/A	Miscellaneous	Additional Detail
104	4 OEIS	Set 006	OEIS-PG&E-22- 006	2	OEIS-PG&E- 22-006_2	"Section_86_Atch01" appears incomplete, as it does not show all circuits listed in Section 8.6, Table 8.6-1 as presented in the guidelines, to address Public Utilities Code Section 8386(c)(8) requiring the "Identification of circuits that have frequently been do appearance. For instance, by receiving	Kevin Miller	3/22/2022	3/25/2022	3/25/2022	2	8.6	PSPS	Identification of Frequently De- Energized Circuits
105	5 MGRA	2	MGRA Data Request No. 2	1	MGRA Data Request No.	TPlease provide a GIS file showing all EPSS outages and including an	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	N/A	EPSS	Outage History
106	6 MGRA	2	MGRA Data	2	2 1 MGRA Data Request No.	Please provide data for all ignitions that occurred while EPSS was active on	Joseph Mitchell on	3/23/2022	3/28/2022	3/28/2022	0	N/A	EPSS	Ignition Trends
			Request No. 2 MGRA Data	<u>-</u>	2 2 MGRA Data	a circuit, including size and attributed cause.	behalf of MGRA Joseph Mitchell on		0, 20, 2022	0, 20, 2022				ig.m.en rrende
107	7 MGRA	2	Request No. 2	3	Request No. 2 3	energization?	behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	N/A	EPSS	Additional Detail
108	8 MGRA	2	MGRA Data Request No. 2	4	MGRA Data Request No. 2_4	PG&E's application of its "Black Swan" criteria, in which it shuts off power under conditions of high fire spread without regard to ignition probability?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	8	PSPS	Additional Detail
109	9 MGRA	2	MGRA Data Request No. 2	5	Request No.	On p. 906, PG&E describes its decision-making process for PSPS. How does the existence of fires in or threatening the potential PSPS areas affect	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	8	PSPS	Additional Detail
11	0 MGRA	2	MGRA Data	6		the decision to de-energize? On page 8, PG&E discusses "new modeling" for ignition risk. Please	Joseph Mitchell on	2/22/2022	2/29/2022	2/29/2022	0	7.3.1	Risk Assessment	Additional Detail
110	- IVIGRA	2	Request No. 2		2 6	provide the description of what this "new modeling" consists of or provide and appropriate reference. In Table PG&E-4.2-2 WILDFIRE RISK DRIVERS, the frequency of facility	behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	U	7.3.1	and Mapping	, admonar Detail
111	1 MGRA	2	MGRA Data Request No. 2	7	MGRA Data Request No. 2_7	failures plus object contact in the HFTD is 60, compared to 74 for vegetation contact. Frequency of vegetation contact is 23% larger than the other two drivers. For the percentage of risk in the HFTD, equipment	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	2 MGRA	2	MGRA Data Request No. 2	8	Request No.	62% larger than the other two drivers combined. How does PG&E account for this discrepancy? On page 129, Figure PG&E-4.5.1-3, 2022 WDRM V3 COMPOSITE MODEL ARCHITECTURE, was the new WDRM V3 used in the GRC update	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	3 MGRA	2	MGRA Data	9	MGRA Data	provided in February? Please ask Technosylva to provide a table and plot of 8 hour fire sizes against final fire sizes for a large (reasonably complete) set of historical	Joseph Mitchell on	3/23/2022	3/28/2022	3/28/2022	0	7.3.1	Risk Assessment	Additional Data
	- Wert		Request No. 2 MGRA Data	Ĭ	2 9 MGRA Data	fires	behalf of MGRA Joseph Mitchell on	0/20/2022	OI ZOI ZOZZ	0,20,2022		7.0.1	and Mapping Risk Assessment	Additional Bata
114	4 MGRA	2	Request No. 2	10	Request No.	model.	behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	7.3.1	and Mapping	Additional Data
115	5 MGRA	2	MGRA Data Request No. 2	11	Request No. 2 11	On p. 189, PG&E states that the IPW model uses the Cat Boost Machine Learning model. What implementation of the Cat Boost Machine learning model was used for the IPW? On p. 191, 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	0	7.3.1	Risk Assessment and Mapping	Additional Data
116	6 MGRA	2	MGRA Data Request No. 2	12	Request No. 2_12	key historical storm events, evaluating timing of weather onset compared to modeled outage probability increases, and relative magnitude of outage probabilities." Please provide tabular and graphical analysis showing how the IPW finds that ignition probability increases versus wind speed for the five driver classes. On p. 265 PG&E describes its undergrounding efforts "including a small	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	7 MGRA	2	MGRA Data Request No. 2	13	MGRA Data	volume of previously hardened overhead lines that are being placed underground, and any other undergrounding work performed in HFTD or fire rebuild areas." How many miles of previously hardened lines are being but underground and what is the motivation for this action?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	7.3.3	Undergrounding	Additional Data
118	8 MGRA	2	MGRA Data Request No. 2	14	Request No. 2 14	targets related to the successful completion of undergrounding projects?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	7.3.3	Undergrounding	Additional Data
119	9 MGRA	2	MGRA Data Request No. 2	15	MGRA Data Request No. 2_15	In attachment TN10634- 0_20220225T144600_Section_71H_Atch01_WorkMaps, PG&E provides maps for Covered conductor installation, Undergrounding of Electric lines or Equipment, and System hardening including line removal. Please provide these maps as a GIS file.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	7.3.3	Grid Design and System Hardening	Additional Data
120	0 MGRA	2	MGRA Data Request No. 2	16	Request No.	Please provide a non-confidential version of Data request response WMP-Discovery2022_DR_CalAdvocates_003-Q01Atch01CONF(T) regarding	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	1 MGRA	2	MGRA Data	17	MGRA Data	PG&E's hardening program. On p. 319, PG&E states that it has "Developed a weather-station specific wind gust model, with particular emphasis on Diablo winds". Please	Joseph Mitchell on	3/23/2022	3/28/2022	3/28/2022	1	7.3.2	Situational Awareness and	Additional Data
12	I WIGRA	2	Request No. 2	17		provide the documentation for this weather model. On how many weather stations is 30 second weather observations	behalf of MGRA	3/23/2022	3/26/2022	3/26/2022	'	7.3.2	Forecasting	Additional Data
122	2 MGRA	2	MGRA Data Request No. 2	18	MGRA Data Request No. 2_18	collected? Please provide a list if it is not the complete set of weather stations. How long is the 30 second data maintained on the weather station? Is the 30 second weather data available to the public and are there any plans to make it so?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	7.3.2	Situational Awareness and Forecasting	Additional Data
123	3 MGRA	2	MGRA Data Request No. 2	19	MGRA Data Request No. 2_19	On p. 384 PG&E states that "The phase and magnitude of the Madden-	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	7.3.2	Situational Awareness and Forecasting	Additional Data
124	4 MGRA	2	MGRA Data Request No. 2	20	MGRA Data Request No. 2_20 MGRA Data	tracking databases to identify ignitions that had been missed in the past, increasing PG&E's reportable ignition record by 23 percent." Please provide a complete set of the newly identified ignitions in GIS format.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	7.3.7.4	Data Governance	Tracking and Analysis of Risk Event Data
125	5 MGRA	2	MGRA Data Request No. 2	21	Request No. 2 21	points" with any confidential information removed.	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	7.3.7.1	Data Governance	Centralized Repository for Data
126	6 MGRA	2	MGRA Data Request No. 2	22	MGRA Data Request No.	IProvide the contents of TABLE PGXE-8 6-1 LIST OF ERECULENTLY DE-	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	1	8	PSPS	Additional Data
127	7 MGRA	2	MGRA Data Request No. 2	23 Followup, not Supp.	Followup,		Joseph Mitchell on behalf of MGRA	3/23/2022	4/1/2022	4/1/2022	1	N/A	Miscellaneous	Ignition Trends
127	7 MGRA	2	MGRA Data	23	not Supp. MGRA Data Request No.	Please provide the 2022 reportable ignitions report, due to the CPUC on	Joseph Mitchell on	3/23/2022	3/28/2022	3/28/2022	0	N/A	Miscellaneous	Ignition Trends
			Request No. 2 MGRA Data		2 23 MGRA Data	On p. 7.1 F-Atch1-21, the RSE for REECL is given as 40. Please explain	behalf of MGRA Joseph Mitchell on							
128	8 MGRA	2	Request No. 2	24	Request No. 2 24	the factors that go into reaching this low estimate. In the data request response WMP-Discovery2022_DR_CalAdvocates_013-	behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	N/A	Miscellaneous	REFCL
129	9 MGRA	2	MGRA Data Request No. 2	25		Q11Atch01.xlsx, please verify the following interpretation: For a REFCL deployment, PG&E projects a \$75M capex, plus \$141M operating cost through 2026, constituting 14% of its 25,000 miles, and that the protection is 58% effective	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	N/A	Miscellaneous	REFCL
130	0 MGRA	2	MGRA Data Request No. 2	26 (Incorrectly labeled as MGRA-2-17 on page 3)	Request No. 2_26 (Incorrectly	On p. 631 PG&E states that its Tree Assessment Tool (TAT) incorporates "local wind gust data". Is the local wind gust data specific to fire weather conditions (such as a Diablo corridor) or does it include winter storm conditions?	Joseph Mitchell on behalf of MGRA	3/23/2022	3/28/2022	3/28/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Additional Efforts to Manage Community and Environmental Impacts
13′	1 CalPA	Set WMP-18	CalAdvocates-PGE 2022WMP-18		CalAdvocate s-PGE-	on overhang clearing only; other activities previously included in the EVM	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Additional Detail
132	2 CalPA	Set WMP-18	CalAdvocates-PGE 2022WMP-18		s-PGE-	Question 16 shows a reduction of approximately \$412 million in projected total vegetation management expenditures from 2022 to 2023. a) Does the reduction in total VM expenditure from 2022 to 2023 result primarily from PG&E's plan to combine aspects of the EVM program into	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.5	Vegetation Management (VM) and Inspections	VM Spend
133	3 CalPA	Set WMP-18	CalAdvocates-PGE 2022WMP-18	3	CalAdvocate s-PGE- 2022WMP- 18_3	a) What is PG&E's current estimate for the service life of newly installed distribution covered conductor? b) What is PG&E's current estimate for the service life of newly installed	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.3	Grid Design and System Hardening	Service Life of Assets
134	4 CalPA	Set WMP-18	CalAdvocates-PGE 2022WMP-18		s-PGE-	### #################################	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	11	7.3.5	Vegetation Management (VM) and Inspections	Quality Assurance/Quality Control of Vegetation Management
135	5 CalPA	Set WMP-18	CalAdvocates-PGE 2022WMP-18		s-PGE-	attachments to its 2022 WMP: 2022-02-25_PGE_2022_WMP-Update_R0_Section 4.6_Remedy 5.4.B_Atch02.xlsx 2022-02-25_PGE_2022_WMP-Update_R0_Section 4.6_Remedy FGRE STWNRESTERS TO ISSUE 5.4.B3 States that priority A is used for	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.4	Asset Management and Inspections	Additional Detail
136	6 CalPA	Set WMP-18	CalAdvocates-PGE 2022WMP-18	I	s-PGE-	"Conditions that require immediate action." The following priority A correctives opened in 2021 have a required end date4 several months after the creation date. For each, please explain why the tag did not require immediate action.	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.4	Asset Management and Inspections	Additional Detail

	I	T			T	ın general, piease explain:		T	T				T	
137	CalPA	Set WMP-18	CalAdvocates-PGE- 2022WMP-18	7	s-PGE- 2022WMP-	a) Why PG&E's procedures allow a priority A corrective notification to be given a required end date more than 1 month after the date the condition is found in the field. b) In what circumstances it would be appropriate for an inspector to create	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.4	Asset Management and Inspections	Additional Detail
138	CalPA	Set WMP-18	CalAdvocates-PGE- 2022WMP-18	8	s-PGE- 2022WMP-	PG&E's response to data request CalAdvocates-PGE-2022WMP-16, Question 5, states, "Pre-Inspectors follow Procedure 'TD-7102P-23' for Red Flag Warning procedure and 'TD-7102P-17' for Priority Tag Procedure to review and re-prioritize work within the RFW area."	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	2	7.3.5	Vegetation Management (VM) and Inspections	Response Vegetation Management Due to Red Flag Warning
139	CalPA	Set WMP-18	CalAdvocates-PGE- 2022WMP-18	9	CalAdvocate s-PGE-	Please provide documents TD-7102P-23 and TD-7102P-17 PG&E s response to data request CalAdvocates-PGE-2022VVMP-16, Question 6, states, "The current use case for VM Distribution LIDAR is tied to the VM Routine Program. LIDAR collection in line with the VM Routine schedule requires more agility than is currently possible with aerial LIDAR	Holly Wherman Carolyn Chen Layla Labagh	3/25/2022	3/30/2022	3/30/2022	0	7.3.5	Vegetation Management (VM) and Inspections	Refither Sensing Inspections of Vegetation Around Distribution Electric
140	CalPA	Set WMP-18	CalAdvocates-PGE- 2022WMP-18	10	CalAdvocate s-PGE-	collections." Place stresponse to data heques canadivocates page 2022 with Question 6, states, "GBL scanning costs are approximately \$400 per mile, including scanning, data processing and electrical asset and vegetation feature extraction."	Holly Wherman Carolyn Chen	3/25/2022	3/30/2022	3/30/2022	0	7.3.5	Vegetation Management (VM)	Lines and Refrote Sensing Inspections of Vegetation Around Distribution Electric
141	CalPA	Set WMP-19	CalAdvocates-PGE- 2022WMP-19	1	CalAdvocate s-PGE-	According to Table 12 of your WMP, the projected 2022 OPEX cost for Patigness of Pa	Layla Labagh Holly Wherman Carolyn Chen	3/25/2022	3/31/2022	3/31/2022	0	7.3.1	and Inspections Risk Assessment and Mapping	Lines and Fauinment Additional Detail
142	CalPA	Set WMP-19	CalAdvocates-PGE- 2022WMP-19	2	19_1 CalAdvocate s-PGE-	on March 15, 2021, PG&E provided a list of circuit-segments with Preaserard กาย"เวลาอาการ ประการ ในเมลาอาการ ในเมลาอาการ (with changes to the attachment as required by Question 1c) as new columns. Provide this data as of 2/1/2022, or the most current	Layla Labagh Holly Wherman Carolyn Chen	3/25/2022	3/31/2022	3/31/2022	1	7.3.3	Grid Design and	Additional Detail
143	OEIS	Set 007	OEIS-PG&E-22-	1	19_2 OEIS-PG&E-	verified data, whichever is more recent. a) The total number of HFTD circuit-miles (including both overhead and work-tornend roi, rough and aiss ibasement recent rough). POWE identified potential locations for our transmission and distribution PSPS mitigation programs."	Layla Labagh Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	8	System Hardening PSPS	Additional Detail
144	OEIS	Set 007	007 OEIS-PG&E-22-	2	22-007_1 OEIS-PG&E-	a) In addition to PSPS risk is PG&E also evaluating prioritization for our twozewheregard distributing SGRES quiesnion are around the same from 2021 to 2022.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	N/A	Miscellaneous	Maturity Survey
145	OEIS	Set 007	007 OEIS-PG&E-22- 007	3	0EIS-PG&E-	a) At what point in time does PG&E expect to have explicit policies for the thos: \white regard \white \text{index} \subseteq \text{index} \text{vhiter regard} \text{index} \text{vhiter regard} \text{index} \text{vhiter regard} \text{index} \text{vhiter regard}	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-	electric equipment; ii. When circuit presents a safety risk taou: wrannegare othnacerry sarde ji questions of the grid prior to re- energizing? In the 2021 Survey, PG&E answered as of January 1, 2023 it	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	OFIS-PG&F-	would be "Partially automated, <50%" and this year changed that answer to "ประวาชยุลกากฐาวะประชาชินะ-zz-ของ, provide เกีย สนาแบกสา corumns เกิ WMP Discovery2022_DR_OEIS_005-Q01Atch01: a) The original number of Customers Experiencing Sustained Outages (CESO) from the actual outages that occurred (opposed to the predicted if	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	22-007 6	WMP Discovery2022_DR_CalAdvocates_12-Quo and WMP Discovery2022_DR_CalAdvocates_012-Quo and an Define the population of transmission detailed ground inspections reviewed through Desktop Reviews, including but not limited to the number	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	22-007_6	WMP Discovery2022_DR_CalAdvocates_012-Q02Atch01: a) Define the population of transmission detailed ground inspections reviewed through Desktop Reviews, including but not limited to the number	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_7	Cirrerotione interstand involute authorizations and drone inspections for detailed and transmission levels respectively: a) Number of total circuit miles inspected	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	1	Q08. Regarding Table 5.3-1, provide similar information for system hardening excluding undergrounding	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.3	Grid Design and System Hardening	Additional Detail
151	OEIS	Set 007	OEIS-PG&E-22- 007	9		Q09. Provide a copy of E3's review of PG&E's 2022 WDRM v3 and WFC Model when it is complete.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	4.5	Model and Metric Calculation Methodologies	Wildfire Distribution Risk Model
152	OEIS	Set 007	OEIS-PG&E-22- 007	10	OEIS-PG&E- 22-007_10	high and medium vibration susceptibility areas, vibration can reduce the covered conductor's useful life from 45 years to an average of 20 years if not addressed" and that "[i]nstalling dampers minimizes equipment failure ignition drivers, such as damage or failure of the conductor, connector,	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	0EIS-PG&E-	covered-conductor-specific failure modes exist that require operators to consider additional personnel training, augmented installation practices, and adoption of new mitigation strategies (e.g., additional lightning regaturing codered conductor respections to him in the lightning regaturing codered conductor respections to him in the lightning regaturing codered conductor respections to him in the lightning regaturing codered conductor respections to him in the lightning regaturing codered conductor respections.	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_12	a) Provide the following job aids: i) TD-2305M-JA02 ii) TD-2305M-JA08	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	1()FIX-D(-x.F-	เพื่อรู้สิกน์กิธิรัฟเฟล-Discoveryzuzz_DK_CalAdvocates_บบ4-QuoAtchoT.xisx and Discovery2022_DR_CalAdvocates_004-QuoAtcho1.xlsx: a) Provide an additional column with the coinciding risk scores for each project in WMP-Discovery2022_DR_CalAdvocates_004-Q08Atch01.xlsx,	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_14	Provide WMP-Discovery2022_DR_CalAdvacates_004_0004teb01_vlov Q01Atch01CONF.xlsx with the additional columns: a) Wildfire Risk Score – 2021 b) Wildfire Risk Score – 2022	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
157	OEIS	Set 007	OEIS-PG&E-22- 007	15	OEIS-PG&E-	states that they "are also reviewing and evaluating the Risk Associated with Value Exposure (RAVE) module from Technosylva that has components for estimating egress considering location and community factors." In Posie's 2022 with operate, bearing the following the Risk Associated with Value Exposure (RAVE) module from Technosylva that has components for estimating egress considering location and community factors."	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
158	OEIS	Set 007	OEIS-PG&E-22- 007	16	22-007 16	Because system hardening work is generally identified 12 or more months before construction, the decision tree that was used for selecting between various distribution system hardening methods (e.g., undergrounding,	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	0EIS-PG&E-	circuits in the HFTD areas, HFRA and non HFTD buffer zones based on highest projected Customer Experiencing Sustained Outage (CESO)." a) Explain a list of what "reliability mitigations" includes	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	22-007_18	program and sets a target of 7,000 distribution poles in the HFTD. a) To what standard does PG&E clear these poles? (i.e., to what radius and height?) i Gaz ว่าประเรายนนใกษารากระดาร์ เอาประการของ เลาสาร์ เ	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	1	7.3.5	Vegetation Management (VM) and Inspections	Management to Achieve Clearances Around Electric
161	OEIS	Set 007	OEIS-PG&E-22- 007	19	22-007_19	based on mitigations and improved protocols and lessons learned in 2021. For instance, per PSPS event in PG&E-8.3-1 on page 934, PG&E shows estimated quantitative reduction of scope (Number of Customers) of 26,843 regarding section 15:2: 1.3 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	22-007 20	a) How many of PG&E's weather stations have been upgraded to give readings at 10 to 30-second intervals? b) How many (in percentages) of PG&E's weather stations are ground-	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	22-007_21	Regarding PG&E's response to Maturity Survey question B.III.c: a) Please describe how PG&E interprets span based.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	N/A	Miscellaneous	Maturity Survey
164	OEIS	Set 007	OEIS-PG&E-22- 007	22	22-007 22	Regarding PG&E's response to Maturity Survey question B.llc: a) Please describe what PG&E needs to do to improve weather data granularity to the span-based level. Regarding Salety and Infrastructure Protection Teams (SIPT) In Section 7.2.2.5.	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	22-007_23	7.3.2.5: a) In 2022, PG&E is planning on increasing staffing by 22 full-time employees. How many SIPT Crews and Engines will PG&E have after inergarding thin stretching to the prototype field test installation at the Santa Cruz service center.	Kevin Miller	3/25/2022	3/30/2022	3/30/2022	0	7.3.2	Situational Awareness and Forecasting	Monitoring Areas of Electric Lines and Equipment in
166	OEIS	Set 007	OEIS-PG&E-22- 007	24	22-007_24	a) Was the prototype field test installation at the Santa Cruz service center that was completed in 2021 on distribution or transmission? b) Please provide an explanation on what approving the final version of PTESSE*** PROPRIESE** PROPRIESE** Probability or makes any other adjustment to account for the fact the	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 MGRA Data	1	Request No. 3_1 MGRA Data	Technosylva consequence model is run on "worst weather days", while the Probability of Ignition model analyzes all ignitions whether they are on worst weather days or not In the WDRM v3 model, has Cal Fire outcome data derived from VIIRS	Joseph Mitchell on behalf of MGRA Joseph Mitchell on	3/28/2022	3/31/2022	3/31/2022	0	7.3.1	Risk Assessment and Mapping Risk Assessment	Additional Detail
168 169	MGRA MGRA	4	Request No. 4 MGRA Data	2	Request No. 4 1 MGRA Data	correlation now replaced the 8 hour Technosylva simulation? What is the remaining role of Technosylva simulation in the v3 model?	behalf of MGRA Joseph Mitchell on	4/1/2022 4/1/2022	4/5/2022 4/5/2022	4/5/2022 4/5/2022	0	7.3.1	and Mapping Risk Assessment	Additional Detail Additional Detail
170	MGRA	4	MGRA Data	3	4 2 MGRA Data Request No.	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	and Mapping Risk Assessment	Additional Detail
171	MGRA	4	Request No. 4 MGRA Data Request No. 4	4	MGRA Data Request No.	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,	Joseph Mitchell on behalf of MGRA	4/1/2022	4/5/2022	4/5/2022	0	7.3.1	and Mapping Risk Assessment and Mapping	Additional Detail
172	MGRA	4	MGRA Data Request No. 4	5	MGRA Data Request No.	on averages, or on a Monte Carlo? PG&E states that: "The seasonal P(ignition) value are the result of marginalizing daily P(ignition outage) values across days from historic fire seasons (i.e. based on daily weather and fuel conditions) to produce a seasonal value derived from daily estimates	Joseph Mitchell on behalf of MGRA	4/1/2022	4/5/2022	4/5/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
173	MGRA	4	MGRA Data Request No. 4	6	MGRA Data Request No. 4_6	seasonal value derived from daily estimates Is the seasonal P(ignition) multiplied by a seasonal estimate of consequence scores to obtain a seasonal risk score for each driver? Or is the daily (ignition outage) multiplied by the daily consequence score, and the risk score averaged over season? If neither of these mechanisms	Joseph Mitchell on behalf of MGRA	4/1/2022	4/5/2022	4/5/2022	0	7.3.1	Risk Assessment and Mapping	Additional Detail
174	OEIS	Set 008	OEIS-PG&E-22- 008	1	OEIS-PG&E-	explain risk scoring provide additional detail. QOT. In Section 7.3.2.2.6, Distribution Arcing Faunt Signature Library, PG&E described completing an R&D project at the end of 2021, and the AH&PC team performed a strategic assessment of the results. PG&E then determined that the outcome of the pilot was not sufficient to develop a comprehensive fault signature library applicable to the larger incipient fault analytics tools that will be used to proactively detect and mitigate conditions that might result in a wildfire. And that no future actions are planned at this	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
						time. a)Please provide the details from the assessment of the results from the R&D project and what the limitations were that lead to the decision to no								y

175	OEIS	Set 008	OEIS-PG&E-22- 008	2	OEIS-PG&E- 22-008_2	that "some in-progress projects are forecasted in service towards the end of 2022" regarding transmission hardening projects. a) Provide the mileage of projects described to be forecasted.	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	0	7.3.3.17.2	Grid Design and System Hardening	System Hardening - Transmission
176	OEIS	Set 008	OEIS-PG&E-22- 008	3	I() \	b) 5: Neigarthing F&& hasserinspelitoits. Period by contractors vs.	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		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
178	OEIS	Set 008	OEIS-PG&E-22- 008	5	OEIS-PG&E- 22-008_5	miles of distribution system hardening, with approximately 66% of these circuits falling within the highest risk miles defined as the top 20% of the risk buydown curve, fire re-build miles, and PSPS mitigation miles."	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	0	7.3.3.17.1	Grid Design and System Hardening	Ignition Risk Trends System Hardening
179	OEIS	Set 008	OEIS-PG&E-22- 008	6	OEIS-PG&E- 22-008_6	it conducted an audit of work tracking databases which identified ignitions which had not been reported, "increasing PG&E's reportable ignition record by 23 percent." Regarding this audit, Energy Safety would like to know:	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
180	OEIS	Set 008	OEIS-PG&E-22- 008	7	OEIS-PG&E- 22-008_7	PG&E states that it re-evaluated its 2021 [Maturity Survey] response related to communications tools (Question F.VI.b). PG&E also states, "because of the communications challenges in certain parts of our service territory, the	Kevin Miller	4/1/2022	4/6/2022	4/6/2022	0	N/A	Miscellaneous	algorithms Maturity Survey
181	OEIS	Set 008	OEIS-PG&E-22- 008	8	OEIS-PG&E- 22-008_8	projected a need to hire approximately 40 Linemen and 100 Apprentices each year for the next five years, based on an internal demand and supply review. On p. 788 of PG&E's 2022 WMP Update, PG&E states that its hired	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
182	CalPA	Set WMP-20	CalAdvocates-PGE- 2022WMP-20	1	CalAdvocate s-PGE- 2022WMP-	#11-Lisponse or data? equestrian-divocates-reseziozziono francisco projects included pole replacements." Among the 96% of covered conductor projects in 2021 that did involve pole	Holly Wherman Carolyn Chen Layla Labagh	4/5/2022	4/8/2022	4/11/2022	0	7.3.3.6	Grid Design and System Hardening	Restoration Replacement and Reinforcement, Including with
183	CalPA	Set WMP-20	CalAdvocates-PGE- 2022WMP-20	2	s-PGE-	On average, how many poles per circuit-mile exist on bare-wire distribution circuits in HFTD? b) On average, how many poles per circuit-mile exist on covered conductor distribution circuits in HFTD?	Holly Wherman Carolyn Chen Layla Labagh	4/5/2022	4/8/2022	4/11/2022	0	7.3.3.6	Grid Design and System Hardening	Distribution Pole Replacement and Reinforcement, Including with Composite Poles
184	OEIS	Set 009	OEIS-PG&E-22- 009	1	OEIS-PG&E- 22-009_1	Q01. Based on analysis of information reported in the WMP, PG&E reports a \$530 million increase in vegetation management category initiatives over the amount projected for 2022 in the 2021 WMP Update. a) What accounts for the \$530 million increase in vegetation management category initiatives?	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	an increase of \$198 million in Grid Design and System Hardening category initiatives over the amount projected for 2022 in the 2021 WMP Update.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	1	7.3.3	Grid Design and System Hardening	Program Cost Projection
186	OEIS	Set 009	OEIS-PG&E-22- 009	3	OEIS-PG&E- 22-009_3	QUS! hatanemz shows af the Speritting in the ariae girb that ing and Surface Hardening Initiative 7.3.3.16 Undergrounding of electric lines and/or equipment (Row 61). a) What accounts for zero spending on undergrounding initiatives in Table	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0	7.3.3.16	Grid Design and System Hardening	Undergrounding
187	OEIS	Set 009	OEIS-PG&E-22- 009	4	OEIS-PG&E- 22-009_4	Hardening 7.3.3.3 Covered conductor installation (Row 38). a) What accounts for zero spending on covered conductor initiatives in Table 12?	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0	7.3.3.3	Grid Design and System Hardening	Covered Conductor Installation
188	OEIS	Set 009	OEIS-PG&E-22- 009	5	OEIS-PG&E- 22-009_5	the data governance initiative category decreased by \$53 million compared to the amount projected from the 2021 WMP Update. a) What accounts for the \$53 million decrease in data governance initiative	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	b) PG&E's goal for number of sectionalizing devices per circuit mile.	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	0	7.3.3.8.1	Grid Design and System Hardening	Distribution Sectionalizing Devices
190	OEIS	Set 009	OEIS-PG&E-22- 009	7	OEIS-PG&E- 22-009_7	Qu7: भारा परवाद प्रथा के स्वाप्त का का स्वाप्त का विकास के स्वाप्त का विकास के स्वाप्त का विकास के स्वाप्त के	Kevin Miller	4/8/2022	4/13/2022	4/13/2022	2	7.3.7.4	Data Governance	Documentation and disclosure of wildfire-related data and algorithms
191	Will Abrams	Set 01	WillAbrams-Set 01	1	WillAbrams- Set 01_1	Préase, phodiae in enhance tine to inie resphirum d'it in vlottars (i.e.; the l'element of your answer) for each piece of information requested. If the responding individual is not your employee, please provide their name, title, and employer, as well as the name and title	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		Q: (a) How has PG&E mitigated this to ensure that isolators are secured throughout their infrastructure and not swinging and causing sparks and catastrophic wildfires? (b) Has PG&E made efforts to mitigate the swinging of vertical insulator strings now that this has been identified as a cause of catastrophic wildfire? (c) What has PG&E changed in terms of their inspections and other mitigation activities to ensure this type of wildfire ignition never happens	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		again? Q: How has PG&E mitigated these microclimate/wind effects by placing wind sensors at different elevations to pick up on these variations that contributed to Kincade Fire ignitions? Are wind sensors now placed closer	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	to these towers to pick up these types of variations? Q: Has PG&E identified how they have mitigated these issues associated with line terminations? How does PG&E now ensure line terminations are secured and not causing similar fires?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	1	7.3.3.12.3	Grid Design and System Hardening	Maintenance, Transmission
195	Will Abrams	Set 02	WillAbrams-Set 02	4	WillAbrams- Set 02_4	Q: What mitigation has PG&E done to ensure old "spaghetti" wires like those indicated are not left dangling and causing fire risk across their infrastructure?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.3	Asset Management and Inspections	Improvement of Inspections
196	Will Abrams	Set 02	WillAbrams-Set 02	5	WillAbrams- Set 02_5	Q: What operational practices and QA has PG&E incorporated into their risk mitigation to ensure old wires are not left abandoned on the ground around infrastructure?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.3	Asset Management and Inspections	Improvement of Inspections
197	Will Abrams	Set 02	WillAbrams-Set 02	6		Q: How has PG&E modified their vegetation management practices to accommodate slope as a factor that could lead to fire spread from their infrastructure? If a pole, tower or line segment is situated on a similar "upslope" how is PG&E mitigating the increased fire risk?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.5.5	Vegetation Management (VM) and Inspections	Fuel Management and Management of All Wood and "Slash" From Vegetation Management
198	Will Abrams	Set 02	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	Activities 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 Fuel Management
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	and Management of All Wood and "Slash" From Vegetation Management
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	Activities Crossarm Maintenance, Repair, and Replacement
202	Will Abrams	Set 02	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
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	Activities Other corrective action, Maintenance, Transmission
205	Will Abrams	Set 02	WillAbrams-Set 02	14		Q: Given that this "low cycle fatigue" was identified as a primary cause of the Kincade 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? Q: Given these failures to deal with abandoned infrastructure, how has	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		Q: Given these failures to deal with abandoned infrastructure, how has PG&E identified the added mitigation activities since the Kincade Fire? How does PG&E now treat "abandoned" infrastructure differently within their WMP? Q: What has PG&E done to ensure security fencing around their	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		infrastructure is inspected and maintained given these findings? How does PG&E mitigate the security dangers of poorly maintained fencing? Q: What has PG&E done to ensure security tencing around their infrastructure is inspected and maintained given these findings? How does PG&E mitigate the security dangers of poorly maintained fencing? Q: What has PG&E done to mitigate the risks of misconfigured jumpers?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.3	Asset Management and Inspections	Improvement of Inspections Crossarm
208	Will Abrams	Set 02	WillAbrams-Set 02	17		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	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? Q: Given that the Saw Mill Fire pointed to the same or very similar	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		infrastructure failures and mismanagement patterns as the Kincade Fire has PG&E finally included mitigation activities for these issues within their WMP? Q: Given that wind readings were different on the surface vs. up on poles	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	and towers and these differences contributed to the miscalculations and causes of both the Sawmill and Kincade 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

2	TAKIH AL	0.155	JAKILAL -	2.		Q: Given all these similar causes (loose wires, low-cycle fatigue, wind conditions, etc.) between the Sawmill Fire and the Kincade 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	NAC'H C'	440/5-	AIOE Is -	4105155		700:-	Grid Design and	System Hardening -
212	Will Abrams	Set 02	WillAbrams-Set 02	21	Set 02_21	over again that the Kincade Fire was a "black swan?" Why did Bill Johnson, CEO dismissively state that "sometimes things just break" in reference to the Kincade Fire given this pattern and the clear failure of PG&E policies and practices? Q: When outside oversight agencies provide direction like "make sure	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.17.2	System Hardening	Transmission
213	Will Abrams	Set 02	WillAbrams-Set 02	22	WillAbrams- Set 02_22	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 Other discretionary
214	Will Abrams	Set 02	WillAbrams-Set 02	23	WillAbrams-	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 Kincade Fire?	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.10	Asset Management and Inspections	inspection of transmission electric lines and equipment, beyond inspections mandated by rules
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		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? Q: How has PG&E mitigated these risks to ensure "spewing steam" from	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	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	1 \/\/ill /\ bromo	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		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-	Q: Is PG&E comfortable with this haphazard alerting practice or does a more standardized arcing alert need to be ingrained within their WMP andassociated 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		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	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	I W//III Ahrame-	Catastrophic wildfires? 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	Grid Design and System Hardening	Other corrective action, Maintenance, Transmission
223	Will Abrams	Set 02	WillAbrams-Set 02	32	1	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 orreplace? What WMP practices have	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		standardized these practices given the known wildfire risks? 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	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,
225	Will Abrams	Set 02	WillAbrams-Set 02	34	WillAbrams-	was a leading cause or contributing factor of catastrophic wildfires? 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	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.4.3	Asset Management	Improvement of
226	Will Abrams	Set 02	WillAbrams-Set 02	35		replacement given the risk of wildfire ignitions? 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	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	and Inspections Grid Design and System Hardening	Other corrective action, Maintenance,
227	Will Abrams	Set 02	WillAbrams-Set 02	36	WillAbrams-	infrastructure is decommissioned or mothballed? Q: Why isn't decommissioning infrastructure requiring an engineering consult? Given the evident wildfire risk has PG&E required	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	Grid Design and	Maintenance,
228	Will Abrams	Set 02	WillAbrams-Set 02	37	WillAbrams-	engineering consults and direction on a going forward basis as part of their WMP? Q: Given that this motion of the insulator string caused or contributed to the Kincade Fire has PG&E now measured these	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	System Hardening Grid Design and	Transmission Maintenance,
229	Will Abrams	Set 02	WillAbrams-Set 02	38	WillAbrams-	movements and identified wildfire mitigation practices and quality controls to remedy? Q: Is engineering design now required for these types of mothballing	Will Abrams	4/13/2022	4/25/2022	4/25/2022	0	7.3.3.12.3	System Hardening Grid Design and	Transmission Maintenance,
230	Will Abrams	Set 02	WillAbrams-Set 02	39	WillAbrams-	practices? Why is this not reflected within the WMP given the wildfire risk? 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	System Hardening Grid Design and System Hardening	Transmission Maintenance, Transmission
231	OEIS	Set 10	OEIS-PG&E-22- 010	1	OEIS-PG&E-	In the Section 8.2.3.7 PG&E describes its use of the risk vs. benefit tool in four events in 2021 to support the evaluation of the potential public safety risk due to a PSPS event against the forecasted potential wildfire risk. a. To date, did PG&E use the risk-benefit tool for determining to initiate any events that did not result in a PSPS event?	Kevin Miller	4/15/2022	4/20/2022	4/20/2022	0	8.2.3.7	PSPS	PSPS Risk-Benefit Tool
232	OEIS	Set 10	OEIS-PG&E-22- 010	2		Regarding PG&E's attachment CONFIDENTIAL_PGE_2022-WMP_Section_46_Remedy_2114_Atch01_CONF to the 2022 WMP Update: a. Concerning the project type "Community Wildfire Safety Program for projects aimed for 2022-2023": i. Describe this project type, including where more information about this project type is described within the 2022 WMP (or previous WMPs, if applicable). ii. How were the projects that fall under this project type selected and prioritized? iii. How does this project type overlap and/or align with risk model output? iv. Provide a percentage of projects under CWSP that align with the top 20% risk score output from the 2021 Wildfire Distribution Risk Model b. How does this project type differ from the following: Top 20% MAVF CPZ, Top 250 miles, and Top 50 Miles? Currently, this data is showing around 0.82 miles planned for undergrounding in 2024. i. Is this still accurate? ii. If not, provide the updated mileage. iii. If so, when does PG&E intend to select locations for additional undergrounding miles? iv. If locations are not currently selected, how is PG&E planning on expediting undergrounding for completion in 2024? v. Are the locations for grid hardening, as a whole, selected for 2024 (i.e., know the hardening location, but don't know the hardening initiative that will be used, UG vs. OH)? vi. If so, is it possible to provide an amended response including these	Kevin Miller	4/15/2022	4/20/2022	4/20/2022	0	4.6	Grid Design and System Hardening	System Hardening
233	OEIS	Set 10	OEIS-PG&E-22- 010	3		On page 870, PG&E indicates potential reductions in PSPS event size in 2022 are expected to come from planned mitigations and "PG&E is currently still in the process of finalizing locations for certain 2022 mitigations but anticipates the following mitigations to come online in 2022. These include: - Distribution Sectionalizing Devices - Transmission Sectionalizing Devices - Transmission Sectionalizing Devices - Transmission Sectionalizing Devices - Transmission System Hardening - Fixed Power Solutions (FPS) In a footnote on the same page, PG&E indicates "Some mitigation programs require more than a year of lead time to execute. As a result, some of the mitigations expected to be available in 2022 were identified using earlier data, including the 2020 lookback." This would seem to indicate at least some selections would have had to have been made previously. a. When does PG&E plan to have these remaining locations finalized? b. Please provide currently available locations for those which have been finalized as a GIS file (.gdb)? c. How will it determine locations are in the highest risk areas for PSPS? d. For each of the above-listed mitigations, please provide a percentage of projects that align with top risk, defined as: i. The top 20% risk score output from the 2021 Wildfire Distribution Risk Model ii. PSPS Impacted Locations iiii. Locations where risk has materialized III TESPOS IMPACT AND TO THE PS ACT OF THE STATE STATE STATE STATE IN THE TITLE	Kevin Miller	4/15/2022	4/20/2022	4/20/2022	1	8.1.4	PSPS	Future Plans
234	OEIS	Set 11	OEIS-PG&E-22- 011	1	OEIS-PG&E-	"utilized the decision tree presented in 2021 for the 2022 scope of work." a.ls this in reference to the decision-tree provided in response to PG&E-Remedy-21-14 as part of the 2021 WMP Progress Report? b. How and where does PG&E's risk modeling output inform decision-making in relation to the decision-tree discussed in part (a)? c. When was this decision-making process first implemented? d. How does this align and/or differ with the system hardening decision-making methodology presented on May 21, 2021, to the Wildfire Safety Division (titled PG&E's System Hardening Program)? e. What changes to PG&E's decision-making have been made since the Marable 30.34 (Aryon resizes 2022 Wildfire Safety Picker shows a vecrease	Kevin Miller	4/22/2022	4/27/2022	4/27/2022	1	7.3.3	Grid Design and System Hardening	Additional Detail
235	OEIS	Set 11	OEIS-PG&E-22- 011	2	OEIS-PG&E- 22-011_2	in targets for implementing sectionalization devices both at the distribution and transmission levels. For distribution, PG&E's targets decreased from 250 in 2021 to 100 in 2022. For transmission, PG&E's targets decreased fregarding Section 15:2:27:33 weather stations.	Kevin Miller	4/22/2022	4/27/2022	4/27/2022	0	7.3.3.8.1 7.3.3.8.2	Grid Design and System Hardening	Distribution & Transmission Line Sectionalizing
236	OEIS	Set 11	OEIS-PG&E-22- 011	3	OEIS-PG&E- 22-011_3	a.Please explain how PG&E has determined 1300 weather stations as its long-term goal for weather stations density. ideglardn ลูวากเขาการสิงการการ์คองสะวราวาร์สาราชาสาราร์สาร	Kevin Miller	4/22/2022	4/29/2022	4/29/2022	1	7.3.2.1.3	Situational Awareness and Forecasting	Weather monitoring
237	OEIS	Set 12	OEIS-PG&E-22- 012	1	OEIS-PG&E- 22-012_1	provided April 25, 2022: a. PG&E has modified its pole clearing program target to inspect and clear (where clearance is needed) all poles identified in PG&E's VM Database, regardinghed&2931pheliteriapg 252.	Kevin Miller	4/29/2022	5/4/2022	5/4/2022	0	7.3.5.2	and Management Practices for Vegetation	Pole Clearing
238	OEIS	Set 12	OEIS-PG&E-22- 012	2	OEIS-PG&E- 22-012_2	a. How many customer complaints has PG&E received regarding EPSS since implementation in June 2021? Provide a breakdown of number by month. heg/anti-lig-rapid-วะรากปะการเราะบาย คระบาย คระบา	Kevin Miller	4/29/2022	5/4/2022	5/4/2022	0	7.3.6.8	Grid Operations and Protocols	EPSS
239	OEIS	Set 12	OEIS-PG&E-22- 012	3	OEIS-PG&E- 22-012_3	 a. Why does PG&E project an overall increase in ignitions from 2022 to 2023? b. Why does PG&E project a slight increase in overall ignitions for Tier 2 	Kevin Miller	4/29/2022	5/4/2022	5/4/2022	0	6.7	Performance Metrics and Underlying Data	Recent and Projected Drivers of Ignition Probability

240	OEIS	Set 12	OEIS-PG&E-22- 012	4	22-012 A	the vegetation management programs which will use the One VM Tool. Energy Safety acknowledges it defined "Future improvements to initiative" as "the next 5 years," i.e., 2022-2028 (2022 Guidelines, Attachment 2, page 3/1) Fagers 1/2 of the months of the control	Kevin Miller	4/29/2022	5/4/2022	5/4/2022	0	7.3.5.19	Vegetation Management (VM) and Inspections	Vegetation Management Enterprise System
241	OEIS	Set 12	OEIS-PG&E-22- 012	5	OEIS-PG&E- 22-012_5	restoration team's activities leading up to re-energization, including "Determine if any Customer Owned Lines identified as being at risk are within the event footprint (both transmission and distribution) as detailed in	Kevin Miller	4/29/2022	5/4/2022	5/4/2022	0	8.2.4	Protocols on PSPS	Re-Energization Strategy
242	OEIS	Set 13	OEIS-PG&E-22- 013	1	$I() \vdash I \subseteq \vdash U \subseteq X \vdash \vdash$	a.Provide all information in your possession, custody, or control, or the possession, custody, and/or control of your affiliates or agents, that is responsive to these data requests by the due date identified above. THE VICTURE DISTRIBUTE THE WORK MOUNT OF THE PRINT OF THE PRI	Kevin Miller	5/6/2022	5/11/2022	5/11/2022	0	7.3.6.8	Grid Operations and Protocols	Protective Equipment and Device Settings
243	OEIS	Set 14	OEIS-PG&E-22- 014	1	OEIS-PG&E- 22-014_1	review to check for validation. PG&E previously conveyed that the WDRM V3 Validation Report would be published April 29, 2022. Energy Safety requests a copy of this report as soon as it is available. Enlerty Safety would have to know whether there changes the	Kevin Miller	5/13/2022	5/18/2022	5/18/2022	0	4.5	Model and Metric Calculation Methodologies	Wildfire Distribution Risk Model
244	OEIS	Set 14	OEIS-PG&E-22- 014	2	OEIS-PG&E- 22-014_2	personnel costs related to WMP between 2021 and 2022. a. If so, please provide this cost differential information. i. Overall ikegalditigation leitinteak Common personnel unanges.	Kevin Miller	5/13/2022	5/18/2022	5/18/2022	0	3.1	Actuals and Planned Spending for Migitation Plan	Summary of WMP initiative expenditures
245	OEIS	Set 14	OEIS-PG&E-22- 014	3	OEIS-PG&E- 22-014_3	a. Does PG&E have a plan and resources to hire 100 employees for North Counties and another 100 for Sonoma County for WMP implementation? b. To which departments or programs would these positions be allocated? Regarding reservition to Said the second of	Kevin Miller	5/13/2022	5/18/2022	5/18/2022	0	N/A	N/A	N/A
246	OEIS	Set 14	OEIS-PG&E-22- 014	4	OEIS-PG&E- 22-014_4	a. Provide how many total Public Safety Specialists positions have been filled for the following years and the counties they were assigned to. i. 2020 iin 18 21 scussion or its EFSS initiative 7.3.0.0 Frotective Equipment and	Kevin Miller	5/13/2022	5/18/2022	5/18/2022	4	7.3.9	Emergency Planning and Preparedness	Additional Detail
247	OEIS	Set 14	OEIS-PG&E-22- 014	5	OEIS-PG&E- 22-014_5	Device Settings (pp. 730-739) SCADA is not mentioned. a. Please discuss how SCADA is being implemented with EPSS enablement. helyarumg PGRES work orders. Currently SCADA enabled?	Kevin Miller	5/13/2022	5/18/2022	5/18/2022	1	7.3.6.8	Grid Operations and Protocols	Protective equipment and device settings
248	OEIS	Set 14	OEIS-PG&E-22- 014	6	77-117/1 6	a. How many work orders within the HFTD in the past three years have decreased in priority levels? What percentage of total work orders within the HFTD in the past three years does this account for? Low many work orders within the UFTD in the past three years have Please identify and provide a copy of all quality assurance or quality control	Kevin Miller	5/13/2022	5/18/2022	5/19/2022	1	7.3.4	Asset Management and Inspections	Additional Detail
Pre-Discovery 01	CalPA	Set WMP-02	CalAdvocates-PGE- 2022WMP-02	1	s-PGE- 2022WMP-	(QA/QC) reports conducted by internal entities that were completed since January 1, 2021 and that examined any programs, initiatives, or strategies described in your 2021 WMP Update. Please identify and provide a copy of all quality assurance or quality control.	Alan Wehrman	12/17/2021	1/18/2022	1/18/2022	17	7.3.4	Asset Management and Inspections	QA/QC Reports
Pre-Discovery 02	CalPA	Set WMP-02	CalAdvocates-PGE- 2022WMP-02	2	CalAdvocate s-PGE- 2022WMP- 02_2	(QA/QC) reports conducted by external entities that were completed since January 1, 2021 and that examined any programs, initiatives, or strategies described in your 2021 WMP Update. External entities include, but are not limited to, contractors, auditors, the Federal Monitor, and Independent F10VI0E AND EXCENTION OF AND ENERGY	Alan Wehrman	12/17/2021	1/18/2022	1/18/2022	27	7.3.4	Asset Management and Inspections	QA/QC Reports
Pre-Discovery 03	CalPA	Set WMP-02	CalAdvocates-PGE- 2022WMP-02	3	s-PGE- 2022WMP-	Safety's Compliance Branch (or, previously, the CPUC's Wildfire Safety Division)1 (as rows) that includes the following information in separate columns. a) Associated circuit name b) Defect type c) Description of defect d) WMP initiative associated with defect e) Date that the defect was interestinate the gleographic arregions and multiantities (i.e.,	Alan Wehrman	12/17/2021	1/18/2022	1/18/2022	1	N/A	Miscellaneous	Additional Detail
Pre-Discovery 04	CalPA	Set WMP-03	CalAdvocates-PGE- 2022WMP-03	1	s-PGE- 2022WMP- 03_1	"Other HFTD" excludes areas that are in either Tier 2 or Tier 3). Therefore, for any given circuit-segment, the following relationships should hold: • Tier 2 miles + Tier 3 miles + Other HFTD miles = total HFTD miles. • Tier 2 miles + Tier 3 miles + Other HFTD miles + non-HFTD miles = total circuit-segment miles. Provide on Excel table of all distribution circuit segments. Supplemental for Q2	Alan Wehrman	12/17/2021	2/8/2022	2/10/2022	1	N/A	Miscellaneous	Additional Detail
Pre-Discovery 05	CalPA	Set WMP-03	CalAdvocates-PGE- 2022WMP-03	2SUPP	s-PGE- 2022WMP- 03 _2SUPP	Provide an Excel table of all transmission circuit-segments existing as of January 1, 2022 (as rows) that includes the same information listed above in Question 1.	Alan Wehrman	12/17/2021	2/15/2022	2/15/2022	1	N/A	Miscellaneous	Additional Detail
Pre-Discovery 05	CalPA	Set WMP-03	CalAdvocates-PGE- 2022WMP-03	2	CalAdvocate s-PGE- 2022WMP- 03_2	Provide an Excel table of all transmission circuit-segments existing as of January 1, 2022 (as rows) that includes the same information listed above in Question 1. Note: this question refers to transmission structures generally, and should	Alan Wehrman	12/17/2021	2/8/2022	2/10/2022	1	N/A	Miscellaneous	Additional Detail
Pre-Discovery 06	CalPA	Set WMP-03	CalAdvocates-PGE- 2022WMP-03	3	s-PGE- 2022WMP- 03_3	not be construed to be limited to 500 kV towers. a) Provide the median amount of person-hours to perform a single climbing inspection of a transmission tower in 2021. b) Provide the total number of transmission towers that PG&E performed climbing inspections on in 2021. Note: this question refers to transmission structures generally, and should	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0	7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discovery 07	CalPA	Set WMP-03	CalAdvocates-PGE- 2022WMP-03	4	CalAdvocate s-PGE- 2022WMP- 03_4	not be construed to be limited to 500 kV towers. a) Provide the median amount of person-hours to perform a single drone inspection of a transmission tower in 2021. b) Provide the total number of transmission towers that PG&E performed drone inspections on in 2021.	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0	7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discovery 08	CalPA	Set WMP-03	CalAdvocates-PGE- 2022WMP-03	5	CalAdvocate s-PGE- 2022WMP- 03_5	Note: this question refers to transmission structures generally, and should not be construed to be limited to 500 kV towers. a) Provide the median amount of person-hours to perform a single detailed ground inspection of a transmission tower in 2021. b) Provide the total number of transmission towers that PG&E performed detailed ground inspections on in 2021.	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0	7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discovery 09	CalPA	Set WMP-03	CalAdvocates-PGE- 2022WMP-03	6	s-PGE-	not be construed to be limited to 500 kV towers. a) How many Priority A corrective tags were issued as a result of transmission tower climbing inspections performed in 2021? b) How many Priority B corrective tags were issued as a result of transmission tower climbing inspections Note: this question release to transmission structures generally, and should	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0	7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discovery 10	CalPA	Set WMP-03	CalAdvocates-PGE- 2022WMP-03	7	s-PGE-	not be construed to be limited to 500 kV towers. a) How many Priority A corrective tags were issued as a result of transmission tower drone inspections performed in 2021? b) How many Priority B corrective tags were issued as a result of transmission tower drone inspections performed in 2021? in the corrective tags were issued as a result of transmission tower drone inspections performed in 2021? in the corrective tags were issued as a result of transmission tower drone inspections performed in 2021? in the corrective tags were issued as a result of transmission tower drone inspections performed in 2021? in the corrective tags were issued as a result of transmission tower drone inspections performed in 2021? in the corrective tags were issued as a result of transmission tower drone inspections performed in 2021? in the corrective tags were issued as a result of transmission tower drone inspections performed in 2021? in the corrective tags were issued as a result of transmission tower drone inspections performed in 2021? in the corrective tags were issued as a result of transmission tower drone inspections performed in 2021? in the corrective tags were inspections performed in 2021? In the corrective tags were inspections performed in 2021? In the corrective tags were inspections performed in 2021? In the corrective tags were inspections performed in 2021? In the corrective tags were inspections performed in 2021? In the corrective tags were inspections performed in 2021? In the corrective tags were inspections performed in 2021? In the corrective tags were inspections performed in 2021? In the corrective tags were inspections performed in 2021? In the corrective tags were inspections performed in 2021? In the corrective tags were inspections performed in 2021? In the corrective tags were inspections performed in 2021? In the corrective tags were inspections performed in 2021? In the corrective tags were inspections performed in 2021? In the corrective tags were inspections performed in 2021? In the corrective ta	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0	7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discovery 11	CalPA	Set WMP-03	CalAdvocates-PGE- 2022WMP-03	8	s-PGE-	not be construed to be limited to 500 kV towers. 10 a) How many Priority A corrective tags were issued as a result of transmission tower detailed ground inspections performed in 2021? b) How many Priority B corrective tags were issued as a result of transmission tower detailed ground inote: this question effects 10 11 ansmission structures generally, and should	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0	7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discovery 12	CalPA	Set WMP-03	CalAdvocates-PGE- 2022WMP-03	9	s-PGE- 2022WMP-	not be construed to be limited to 500 kV towers. a) How many Priority A corrective tags were issued as a result of work verification or quality control of transmission tower climbing inspections performed in 2021? b) How many Priority B corrective tags were issued as a result of work verification Note: Litis question transmission transmission should be a result of work verification	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0	7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discovery 13	CalPA	Set WMP-03	CalAdvocates-PGE- 2022WMP-03	10	s-PGE-	not be construed to be limited to 500 kV towers. a) How many Priority A corrective tags were issued as a result of work verification or quality control of transmission tower drone inspections performed in 2021? b) How many Priority B corrective tags were issued as a result of work verification or work transmission structure generally and its 20012?	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0	7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discovery 14	CalPA	Set WMP-03	CalAdvocates-PGE- 2022WMP-03	11	s-PGE-	not be construed to be limited to 500 kV towers. a) How many Priority A corrective tags were issued as a result of work verification or quality control of transmission tower detailed ground inspections performed in 2021? b) How many Priority B corrective tags were issued as a result of work **Prefase**note**translife**geotralphicanregions**ate**modato** (i.e.,	Alan Wehrman	12/17/2021	2/1/2022	2/1/2022	0	7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discovery 15	CalPA	Set WMP-03	CalAdvocates-PGE- 2022WMP-03	12	1	"Other HFTD" excludes areas that are in either Tier 2 or Tier 3). Therefore, for any given circuit-segment, the following relationships should hold: Tier 2 miles + Tier 3 miles + Other HFTD miles = total HFTD miles. Tier 2 miles + Tier 3 miles + Other HFTD miles + non-HFTD miles = total miles + Tier 3 miles + Other HFTD miles + non-HFTD miles = total miles + Tier 3 miles + Other HFTD miles + non-HFTD miles = total miles + Tier 3 miles + Other miles + non-HFTD miles = total miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + non-HFTD miles + Tier 3 miles + Other miles + Othe	Alan Wehrman	12/17/2021	2/8/2022	2/10/2022	0	N/A	Miscellaneous	Additional Detail
Pre-Discovery 15	CalPA	Set WMP-03	CalAdvocates-PGE- 2022WMP-03	12 REV	CalAdvocate s-PGE- 2022WMP- 03_12 REV	 "Other HFTD" excludes areas that are in either Tier 2 or Tier 3). Therefore, for any given circuit-segment, the following relationships should hold: Tier 2 miles + Tier 3 miles + Other HFTD miles = total HFTD miles. Tier 2 miles + Tier 3 miles + Other HFTD miles + non-HFTD miles = total circuit segment miles. 	Alan Wehrman	12/17/2021	4/1/2022	4/1/2022	0	N/A	Miscellaneous	Additional Detail
Pre-Discovery 16	CalPA	Set WMP-04	CalAdvocates-PGE- 2022WMP-04	1	s-PGE-	For each POU to which you supply power, please respond to the following: Describe what coordination, planning, or other activities took place in 2021 between you and the POU to mitigate the effect of a potential PG&E-initiated PSPS event on the POU and its customers.	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	0	8	PSPS	Communication with Publicly-Owned Utilities
Pre-Discovery 17	CalPA	Set WMP-04	CalAdvocates-PGE- 2022WMP-04	2	s-PGE-	for all circuit segments for which PG&E has used its Wildfire Distribution Risk Model to calculate circuit-segment-level expected risk. Include the following fields for each circuit-segment. For item (d), please include all relevant risk scores as separate attributes. For example, include vegetation relevant your preserved attributes.	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	1	7.1.F	Wildfire Mitigation Strategy	Wildfire Risk Data
Pre-Discovery 18	CalPA	Set WMP-04	CalAdvocates-PGE- 2022WMP-04	3	s-PGE- 2022WMP-	present circuit modeling capabilities with regard to PSPS decision-making ("PSPS circuit modeling capabilities"), including with what level of granularity they are able to determine how circuit hardening efforts or other changes to a line segment will affect PSPS thresholds. b) Please describe	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	0	8.1 and 8.2	PSPS	Additional Detail
Pre-Discovery 19	CalPA	Set WMP-04	CalAdvocates-PGE- 2022WMP-04	4	s-PGE- 2022WMP-	not be construed to be limited to 500 kV towers. a) Provide the total number of transmission towers that PG&E forecasts performing climbing inspections on in 2022. b) Provide the total number of transmission towers that PG&E forecasts performing drone inspections on in 2022. c) Provide the total number of transmission towers that PG&E forecasts performing drone inspections on in 2022. c) Provide the total number of transmission towers that PG&E forecasts performing drone inspections on in 2022. c) Provide	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	0	7.3.4.2	Asset Management and Inspections	Detailed Inspections - Transmission
Pre-Discovery 20	CalPA	Set WMP-04	CalAdvocates- PGE-2022WMP-04	5 (a,b)	CalAdvocate s-PGE- 2022WMP- 04_5 (a,b)	at least two times actual expenditure in 2021, please provide: a) The name of the program as it is identified in your 2022 WMP Update b) The WMP Initiative number in Table 12 of your 2022 WMP Update c) The name of the program as it is identified in your 2021 WMP Update d) The WMP Initiative supplementable 43 of your 2021 WMP Update a) An explanation for the	Alan Wehrman	12/17/2021	3/4/2022	3/4/2022	1	3.1	Summary of Wildfire Mitigation Plan Initiative Expenditures	Additional detail on expenditures
Pre-Discovery 20	CalPA	Set WMP-04	CalAdvocates-PGE- 2022WMP-04	5 (c-d)	2022WMP- 04_5 (c-d)	For any program for which you forecast capital expenditures in 2022 to be at least two times actual expenditure in 2021, please provide: a) The name of the program as it is identified in your 2022 WMP Update b) The WMP Stippien emah to to 25 Table 12 of your 2022 WMP Update c) The name of the	Alan Wehrman	12/17/2021	3/11/2022	3/4/2022	1	N/A	Miscellaneous	Additional Detail
Pre-Discovery 20	CalPA	Set WMP-04	CalAdvocates-PGE- 2022WMP-04	5 (e)	CalAdvocate s-PGE- 2022WMP- 04_5 (e)	For any program for which you forecast capital expenditures in 2022 to be at least two times actual expenditure in 2021, please provide: a) The name of the program as it is identified in your 2022 WMP Update b) The WMP Für ainy program ior which you to recast 300 bit Minutes in 2022 to be	Alan Wehrman	12/17/2021	3/14/2022 (Noon)	3/14/2022	1	N/A	Miscellaneous	Additional Detail
Pre-Discovery 21	CalPA	Set WMP-04	CalAdvocates-PGE- 2022WMP-04	6 (a,b)	s-PGE- 2022WMP-	be at least two times actual expenditure in 2021, please provide: 7 a) The name of the program as it is identified in your 2022 WMP Update b) The WMP Initiative number in Table 12 of your 2022 WMP Update c) The name of the program as it is identified in your 2021 WMP Update d) The WMP Initiative number in Table 12 of your 2021 WMP Update a) An explanation	Alan Wehrman	12/17/2021	3/4/2022	3/4/2022	1	3.1	Summary of Wildfire Mitigation Plan Initiative Expenditures	Additional detail on expenditures

Pre-Discovery 21	CalPA	Set WMP-04	CalAdvocates-PGE- 2022WMP-04	6 (c-d)	CalAdvocate s-PGE- 2022WMP-	For any program for which you forecast operating expenditures in 2022 to be at least two times actual expenditure in 2021, please provide: 7 a) The	Alan Wehrman	12/17/2021	3/11/2022	3/4/2022	1	N/A	Miscellaneous	Additional Detail
Pre-Discovery 21	CalPA	Set WMP-04	CalAdvocates-PGE- 2022WMP-04	6 (e)	CalAdvocate s-PGE-	name of the program as it is identified in your 2022 WMP Update b) The Supplicitientian to colescion Toble 12 of your 2022 WMP Update a) The page. For any program for which you forecast operating expenditures in 2022 to be at least two times actual expenditure in 2021, please provide: 7 a) The	Alan Wehrman	12/17/2021	3/14/2022 (Noon)	3/14/2022	0	N/A	Miscellaneous	Additional Detail
Pre-Discovery 22	CalPA	Set WMP-04	CalAdvocates- PGE-2022WMP-04	7	04_6 (e) CalAdvocate s-PGE-	name of the program as it is identified in your 2022 WMP Update b) The \(\forall \)	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	1	7.3.5.2	Vegetation Management (VM)	Enhanced Vegetation
Pre-Discovery 23	CalPA	Set WMP-04	CalAdvocates-PGE-2022WMP-04	8	s-PGE-	Day Report Pursuant To Resolution M-4852, November 4, 2021, Ptovibe Pt & Sworkpian unal rosscrides whelle and wheir you will person be a system hardening on distribution circuits in 2022. For projects that you expect to partially complete in 2022 (i.e. projects that started before 2022 and are expected to continue in 2022, or projects that are expected to be	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	1	7.3.3.17.1	and Inspections Grid Design and System Hardening	Management System Hardening - Distribution
Pre-Discovery 24	CalPA	Set WMP-04	CalAdvocates-PGE- 2022WMP-04	9	2022WMP- 04_8 CalAdvocate s-PGE- 2022WMP-	completed after 2022), please include the project and report the work that Volume forecast will actually be performed in colonder year 2022. This Provide PG&E's workplan that describes where and when you will perform system hardening on transmission circuits in 2022. Include the same	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	1	7.3.3.17.2	Grid Design and System Hardening	System Hardening - Transmission
					04_9 CalAdvocate	information detailed in the preceding question. Please provide disaggregated information related to system hardening in the tables below. Note: in PG&E's 2021 WMP Update, this information was								
Pre-Discovery 25	CalPA	Set WMP-04	CalAdvocates-PGE- 2022WMP-04	10	04_10	aggregated into Section 7.3.3.17.1 "Updates to grid topology to minimize risk of ignition in HFTDs, System Hardening, Distribution" in Table 12. a. Please fill out the table below, disaggregating the actual and projected mendirowing questions retaile to the tarticle mannoon county Testales Stop Work Order, PG&E Removes Contractor on EVM in Sohum After	Alan Wehrman	12/17/2021	2/25/2022	2/25/2022	0	7.3.3.17.1	Grid Design and System Hardening Vegetation	System Hardening - Distribution
Pre-Discovery 26	CalPA	Set WMP-05	CalAdvocates-PGE- 2022WMP-05	1		Complaints/Video by Residents, published in Redheaded Blackbelt on December 16, 2021 (the article).2 This article describes activities performed by a contractor allegedly performing EVM work for PG&E in Humboldt County, Question 1 The article alleges that a contractor KDE	Alan Wehrman	12/23/2021	1/10/2022	1/10/2022	1	7.3.5.2	Management (VM) and Inspections	Miscellaneous
Pre-Discovery 27	CalPA	Set WMP-05	CalAdvocates-PGE- 2022WMP-05	2	s-PGE- 2022WMP- 05_2	Question 2 a) Is KDF still engaged with PG&E to perform EVM work? b) Is KDF currently engaged with PG&E as a contractor for any work other than EVM? Question 3 The article alleges that the contractor, KDF, did not have an	Alan Wehrman	12/23/2021	1/10/2022	1/10/2022	0	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discovery 28	CalPA	Set WMP-05	CalAdvocates-PGE- 2022WMP-05	3	s-PGE- 2022WMP-	encroachment permit to do road work on Thomas Road in the Salmon Creek watershed. a) Is it accurate that KDF did not have an encroachment permit to do road work in the area described, as alleged in the article? b) If the answer to part (a) is yes, please explain why KDF did not secure the	Alan Wehrman	12/23/2021	1/10/2022	1/10/2022	0	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discovery 29	CalPA	Set WMP-05	CalAdvocates-PGE- 2022WMP-05	4	s-PGE- 2022WMP-	Question 4 The article alleges that KDF had left logs and chips in the ditch, plugged culverts, and damaged the shoulders of a road. Are these allegations accurate with respect to KDF's work in this area? If not, please describe the inaccuracies or omissions in the article.	Alan Wehrman	12/23/2021	1/10/2022	1/10/2022	0	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discovery 30	CalPA	Set WMP-05	CalAdvocates-PGE- 2022WMP-05	5	s-PGE-	KDF "did not complete the work to [PG&E's] satisfaction." a) Is PG&E aware of other instances during 2021 in which KDF did not complete EVM work to PG&E's satisfaction? b) If the answer to part (a) is yes, please list all such instances, including i. the location of the work, ii. the date(s) of the	Alan Wehrman	12/23/2021	1/10/2022	1/10/2022	0	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discovery 31	CalPA	Set WMP-05	CalAdvocates-PGE- 2022WMP-05	6	s-PGE-	Cruz Mountains in 2020, PG&E received several complaints from local governments regarding contractors failing to secure appropriate permits and causing erosion on narrow roads.3 a) Following these complaints, what specific actions did PG&E take to improve contractor performance? b)	Alan Wehrman	12/23/2021	1/24/2022	1/10/2022	0	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discovery 32	CalPA	Set WMP-05	CalAdvocates-PGE- 2022WMP-05	7	s-PGE- 2022WMP-	which a local government has complained to or about PG&E regarding vegetation management work performed by PG&E or a contractor of PG&E. For each such instance, please state: a) The name of the local government making the complaint b) The date range of the work in question c) What Stipprementation where the local government of the local government making the complaint b) The date range of the work in question c) What	Alan Wehrman	12/23/2021	1/24/2022	1/24/2022	1	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discovery 32	CalPA	Set WMP-05	CalAdvocates-PGE- 2022WMP-05	7 SUPP	s-PGE- 2022WMP-	List all instances in 2020 and 2021 that PG&E is aware of in which a local government has complained to or about PG&E regarding vegetation management work performed by PG&E or a contractor of PG&E. For each such instance, please state:	Alan Wehrman	12/23/2021	1/24/2022	1/24/2022	1	7.3.5.2	Vegetation Management (VM) and Inspections	Miscellaneous
Pre-Discovery 33	CalPA	Set WMP-06	CalAdvocates-PGE- 2022WMP-06	1	CalAdvocate s-PGE- 2022WMP- 06_1	The following questions relate to the PG&E Independent Monitor Report of November 19, 2021, Kirkland & Ellis LLP, filed on November 23, 2021 (the Monitor's 2021 report).2 Question 1 The Monitor's 2021 report describes an ignition that occurred on June 16, 2021. The report states that PG&E's Preliminary Ignition Investigation Report (PIIR) attributed the ignition to "a	Alan Wehrman	12/23/2021	1/10/2022	1/10/2022	2	7.3.3.5	Crossarm Maintenance	Miscellaneous
Pre-Discovery 34	CalPA	Set WMP-06	CalAdvocates-PGE- 2022WMP-06	2	s-PGE- 2022WMP-	identified in connection with an August 19, 2019 patrol. The tag had a due date of February 19, 2020 (a 6-month Priority E tag). The repair was permitted and ready for construction in April 2020 (which was already late), but was never completed. On September 10, 2020, the notification was	Alan Wehrman	12/23/2021	1/14/2022	1/14/2022	0	7.3.3.5	Crossarm Maintenance	Miscellaneous
Pre-Discovery 35	CalPA	Set WMP-06	CalAdvocates-PGE- 2022WMP-06	3	s-PGE-	Safety Reassessments (FSR) process, in which unresolved tags are periodically reviewed. a) Was the September 10, 2020 reassessment described in Question 2 part of PG&E's FSR process? b) Please provide copies of all inspection reports related to the tag on the crossarm described	Alan Wehrman	12/23/2021	1/14/2022	1/14/2022	4	7.3.3.5	Crossarm Maintenance	Miscellaneous
Pre-Discovery 36	CalPA	Set WMP-06	CalAdvocates-PGE- 2022WMP-06	4	s-PGE-	there were 1290 open notifications on the same circuit associated with common ignition drivers, of which 886 were past due and 256 were due within six months. Of these, 66 open notifications were associated with cross arms, of which 55 were past due and 11 were due within six months.5	Alan Wehrman	12/23/2021	1/14/2022	1/14/2022	0	7.3.3.5	Crossarm Maintenance	Miscellaneous
Pre-Discovery 37	CalPA	Set WMP-06	CalAdvocates-PGE- 2022WMP-06	5	s-PGE-	Question 5 a) Does PG&E have a plan to address the late tags that exist on its system in HFTD? b) If the answer to part (a) is yes, will this plan be described in PG&E's 2022 WMP? c) If the answer to part (a) is no, please explain why not.	Alan Wehrman	12/23/2021	1/14/2022	1/14/2022	0	7.3.4	Asset Management and Inspections	Additional Detail
Pre-Discovery 38	CalPA	Set WMP-07	CalAdvocates-PGE- 2022WMP-07	1	s-PGE- 2022WMP-	Regarding PG&E's 2021 distribution system hardening ellons, as described in section 7.3.3.17.1 its 2021 Revised WMP: a) How many miles of distribution system hardening did PG&E complete in 2021?	Alan Wehrman	12/23/2021	2/1/2022	2/1/2022	0	7.3.3.17.1	Grid Design and System Hardening	System Hardening
Pre-Discovery 39	CalPA	Set WMP-07	CalAdvocates-PGE- 2022WMP-07	2		Please provide a GIS file showing where PG&E completed distribution system hardening work in 2021, in accordance with section 7.3.3.17.1 its 2021 Revised WMP.	Alan Wehrman	12/23/2021	2/1/2022	2/1/2022	1	7.3.3.17.1	Grid Design and System Hardening	System Hardening
Pre-Discovery 40	CalPA	Set WMP-07	CalAdvocates-PGE- 2022WMP-07	3	CalAdvocate s-PGE- 2022WMP- 07_3	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	Alan Wehrman	12/23/2021	2/1/2022	2/1/2022	0	7.3.4.1	Asset Management and Inspections	Inspections - Distribution
Pre-Discovery 41	CalPA	Set WMP-07	CalAdvocates-PGE- 2022WMP-07	4	CalAdvocate s-PGE- 2022WMP- 07 4	In 2021, the Monitor team inspected 304 electric transmission structures via PG&E aerial photography records. Approximately 47% of the steel structures inspected had potential exceptions, for a total of 160 missed	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	s-PGE-	inneronowing destroits relate to the PG&E fire of the number 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	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	CalAdvocate s-PGE-	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."	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	CalAdvocate s-PGE- 2022WMP-	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	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	CalAdvocate s-PGE- 2022WMP-	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	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	CalAdvocate s-PGE- 2022WMP-	Final ACE reports for 11 ignitions in 2021	Holly Wehrman	1/28/2022	4/8/2022	4/29/2022	2	7.3.7	Data Governance	Asset Failure Analysis
Pre-Discovery 46	CalPA	Set WMP-08	CalAdvocates-PGE- 2022WMP-08	5 (a,b)	s-PGE- 2022WMP-	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	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)	CalAdvocate s-PGE- 2022WMP-	purpose and activities of the Asset Failure Analysis Team. c) Please the retibility of the 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	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	CalAdvocate s-PGE- 2022WMP-	purpose and activities of the Asset Failure Analysis Team. c) Please describe what if any work product is produced by the Asset Failure What date does PG&E define as the start of the 2021 fire season?8 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	s-PGE- 2022WMP-	PG&E's response to Data Request Caladvocates-PGE-2022WIMP-00 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 reprioritized above priority E during the period of	Alan Wehrman	1/28/2022	2/25/2022	2/25/2022	0	7.3.4	Asset Management and Inspections	Additional Detail
	<u> </u>				08_7	February 19, 2020 to June 16, 2021? 9 PG&E's response to Data Request		<u> </u>		<u> </u>				

Pre-Discovery 49	CalPA	Set WMP-09	CalAdvocates-PGE- 2022WMP-09	1	s-PGE- 2022WMP-	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.	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	s-PGE- 2022WMP-	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	s-PGE- 2022WMP-	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	CalAdvocate s-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	CalAdvocate s-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	CalAdvocate s-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	CalAdvocate s-PGE- 2022WMP- 10_4	when PG&E performs undergrounding in the HFTD for whather 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	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	s-PGE-	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	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	CalAdvocate s-PGE- 2022WMP- 10_6	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	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	s-PGE-	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	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	s-PGE- 2022WMP-	d) Has PG&20dentineor transportation confrorts whith the service tenthory 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	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	s-PGE- 2022WMP-	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 the Path Rown pot or me idns were received non the total part of the transfer of th	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	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	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	ACKISKI nappinity and shmarkiwith Southern Colifornia Edison Company 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	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	त्रिजं: रिस्पुर्विधानम् न उद्यह्न ह response to maturity Survey question A.v.c (now 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. उत्तर्भं कि अधिकार के कि	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	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?): ամեր ռայես փույ PG&E s խորդություննում հետական արան արան արան արան արան արան արան	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	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 the percentage of circuits that have n-1 redundancy.	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	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.	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	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	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	(What grid hardening initiatives does the utility include within its evaluation?): a. Define PG&E's understanding of what "Some" and "Most" include when	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.l.a (What information is captured in the equipment inventory database?): a. Describe why PG&E moved from having an "accurate inventory of	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	ਕਾਪੰ: ਸegaਾ th ਗੁੰਸ ਦੁਕਦਾ ਤਾਂ tespionse ਪੰਜੀ ਸੰਗਪਾਨਾਂ ਤੁਧਾੰ ਪੰਜਾਬੰਦ ਸੁਕਦਿਤ ਹੈ	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	(What level are electrical lines and equipment maintained at?): a. Why is PG&E not currently meeting consistent maintenance, as required? b. What perantons and pirotitues and meeting required regulation?	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 On14867042;2022;44412mfearts 1.fra 95-3447 report response to the	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	s-PGE- 2022WMP-	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	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	s-PGE-	ที่ ใช้ราชาระ เขา บลาส หิยุนิยรา ปลาสนของผลเอร-คน - 202 เพาพาคา เก, 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	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	s-PGE-	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 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 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	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	s-PGE- 2022WMP-	2021 Q4, PG&E had hardened 210.5 distribution line miles under initiative "C.13 – System Hardening (Distribution)." As stated in PG&E's response to Data Request CalAdvocates-PGE-2022WMP-03, February 15, 2022, attachment "WMP-Discovery 2022, DR, CalAdvocates, 002, 002Supp01Atch01CONE view."	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