Count	Party Name	Data Set	Data Request	Question	Question ID	Link to Discovery Responses: Question Text	https://www.pge.com/en_US/safety/emergency-preparedness/natural-disaster/wi	ldfires/wildfire-miti	gation-plan-disco	very-data-req Final Due	uests.page Date Sent	Links	Number of	NDA Required	WMP Section	Category	Subcategory
Count	r arry reason	Dute out	Data Request	No.	Question 2	In the review of PG&E's WDRM v3 by Energy & Environmental Economics, Inc. ("E3 Review"), the authors note: "There were also several refreshes to PG&E asset data, now current to 2022-01-01, and inclusion of updated internally sourced meteoroloxy datasets."	a) All distribution asset data utilized in the Wildfire Distribution Risk Model (WDRM) v3 were	Requestor	Date Nee d	Date	Date delle	https://www.pge.com/pge_global/common/pdfs/	Atchs	NDX Requires	Will decidi	Category	outcategory
1	CalPA	Set WMP-07	CalPA_Set WMP- 07	1	CalPA_Set WMP-07_Q		4) Fa dash lobor instead rather to the visit of the control of the	Joshua Borkowski	3/27/2023	3/30/2023	3/30/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 007.zip	0	N/A	6.2	Risk Methodology and Assessment	Risk Analysis Framework
2	CalPA	Set WMP-07	CalPA_Set WMP- 07	2	CalPA_Set WMP-07_Q	In present content in ask, and ask to the plan of plan to by a geological to the plan of the plan of p	a) The Wildfire Distribution Risk Model (WDRM) v3 was finalized by approval at the Wildfire Risk Governance Steering Committee (WRGSC) on April 13, 2022. b) The 8 asset groups lasted on page 15 of the E3 Review are included in the WDRM v3 but are grouped into the sub-models lasted in Figure 5 Sub-model Predictive Performance Measures on page 21 of the E3 Review document.	Joshua Borkowski	3/27/2023	3/30/2023	3/30/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_007.zip	0	N/A	6.2	Risk Methodology and Assessment	Risk Analysis Framework
3	CalPA	Set WMP-07	CalPA_Set WMP- 07	3	CalPA_Set WMP-07_Q	21h) faut du cut arecear en Dien. 15 of the E3 uneine ubease revoide fee latest, date on wisch auch, al Please confirm the date that the WIDMM of was finalized. It it has not been finalized, please provide a current list of comprehensive and a restimated date on which it will be finalized. b) Please provide a current list of comprehensive are used as high lost of the WIDMM model. If please state the date of PGAE asset data used in vid of the WIDMM model. If there are multiple dates, include the most recent date for any asset data used in vid of the WIDMM model. If there are multiple dates, include the most recent date for any asset data used in vid of the WIDMM model. If there are multiple dates, include the most recent date for any asset data used in the model and any diskint, to make the data leaved in the model.	a) The Wildlife Distribution Risk Model (WDRM) v4 has not been finalized. Model review and approval is scheduled for CQ 2023. b) The list of equipment components in the WDRM v4 has not been finalized at this time. c) The asset data for the WDRM v4 was extracted from PG&E's EDGIS on January 1, 2023. did Please see the recorosors in 2x.	Joshua Borkowski	3/27/2023	3/30/2023	3/30/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 007.zip	0	N/A	6.2	Risk Methodology and Assessment	Risk Analysis Framework
4	MGRA	Data Request No.	MGRA_Data Request No. 1	1	MGRA_Data Request No. 1_Q1	Please provide for Asset Point data for Camera, Fuse, Support Structure, and Weather Station.	In response to this request, PG&E is providing Camera and Weather Station data, as delivered in the Q4 2022 CEIS GIS Data Standard Submission. PG&E is also providing non-confidential data from the Support Structure feature class. PG&E is not providing data for the Fuse feature class as this data is confidential critical energy infrastructure information (CEII).	Joseph Mitchell	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip	1	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
4	MGRA	Data Request No.	MGRA_Data Request No. 1	1 SUPP	MGRA_Data Request No. 1_Q1 SUPP	Please provide for Asset Point data for Camera, Fuse, Support Structure, and Weather Station.	In response to this request, PG&E is providing Camera and Weather Station data, as delivered in the Q4 20/22 CEIS GIS Data Standard Submission. PG&E is also providing non-confidential data from the Support Structure feature class. PG&E is not providing data for the Fuse feature class as this data is confidential critical energy infrastructure information (CEII).	Joseph Mitchell	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip	4	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
5	MGRA	Data Request No.	MGRA_Data Request No. 1	2	MGRA_Data Request No. 1_Q2	Provide Asset Line data for Transmission Line (as permitted as non-confidential), Primary Distribution Line, and Secondary Distribution Line.	In response to this request, PG&E is providing non-conflidential data for the Primary and Secondary Distribution Line Feature Classes. PG&E is not providing the Transmission Line feature class because it is confidential CEII.	Joseph Mitchell	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
5	MGRA	Data Request No.	MGRA_Data Request No. 1	2 SUPP	MGRA_Data Request No. 1_Q2 SUPP	Provide Asset Line data for Transmission Line (as permitted as non-confidential), Primary Distribution Line, and Secondary Distribution Line.	In response to this request, PG&E is providing non-conflidential data for the Primary and Secondary Distribution Line Feature Classes. PG&E is not providing the Transmission Line feature class because it is confidential CEII.	Joseph Mitchell	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA 001.zip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
6	MGRA	Data Request No.	MGRA_Data Request No. 1	3	MGRA_Data Request No. 1_Q3	Provide PSPS Event data. Include Event Log, Event Line, Event Polygon data. Please exclude customer meter data. Provide all PSPS Event Asset Damage data including photos	In response to this request, PG&E is unable to provide PSPS Event data, PSPS Event Damages data, and PSPS Damage photos since there were no PSPS Events that took place throughout 2022	Joseph Mitchell	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural: disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
6	MGRA	Data Request No.	MGRA_Data Request No. 1	3 SUPP	MGRA_Data Request No. 1_Q3 SUPP	Provide PSPS Event data. Include Event Log, Event Line, Event Polygon data. Please exclude customer meter data. Provide all PSPS Event Asset Damage data including photos	In response to this request, PG&E is unable to provide PSPS Event data, PSPS Event Damages data, and PSPS Damage photos since there were no PSPS Events that took place throughout 2022	Joseph Mitchell	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
7	MGRA	Data Request No.	MGRA_Data Request No. 1	4	MGRA_Data Request No. 1_Q4	Provide Risk Event Point data, including Wire Down, Igrition, Transmission unplanned outage (as classified non-confidential), Distribution Unplanned Outage data, Distribution Vegetation Caused Unplanned Outage, Risk Event Asset Log	In response to this request, PG&E is providing non-confidential data for the Wire Down, Ignition, Transmission Unplanned Outage, Distribution Unplanned Outage, Distribution Vegetation Caused Unplanned Outage, and Risk Event Asset Log feature classes and related table.	Joseph Mitchell	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
7	MGRA	Data Request No.	MGRA_Data Request No. 1	4 SUPP	MGRA_Data Request No. 1_Q4 SUPP	Provide Risk Event Point data, including Wire Down, Igrition, Transmission unplanned outage (as classified non-confidential), Distribution Unplanned Outage data, Distribution Vegetation Caused Unplanned Outage, Risk Event Asset Log	In response to this request, PG&E is providing non-confidential data for the Wire Down, Ignition, Transmission Unplanned Outage, Distribution Unplanned Outage, Distribution Vegetation Caused Unplanned Outage, and Risk Event Asset Log feature classes and related table.	Joseph Mitchell	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
8	MGRA	Data Request No.	MGRA_Data Request No. 1	5	MGRA_Data Request No. 1_Q5	Provide photo data for Risk Events.	FOSE does not have any non-confidential or non-privileged data to provide in response to this request. The photos provided in this factor class may be subject to attorney client privilege or the work product doctrine and may be subject to an origing investigation. Additionally, POSE risk every photos are confidential CEII because they reveal choical Enablis and critical infrastructure locations. POSE does not have any non-confidential or mon-privileged data to provide in response to this	Joseph Mitchell	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
8	MGRA	Data Request No.	MGRA_Data Request No. 1	5 SUPP	MGRA_Data Request No. 1_Q5 SUPP	Provide photo data for Risk Events.	PG&E does not have any non-confidertial or non-privileged data to provide in response to this request. The photos provided in this feature class may be subject to attorney client privilege or the work product doctrine and may be subject to an ongoing investigation. Additionally, PG&E into event photos are confidential CEII because they reveal chaincal facility and critical infrastructure bractions. In response to this request, PG&E is providing non-confidential data for the System Hardening,	Joseph Mitchell	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA 001.zip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
9	MGRA	Data Request No.	MGRA_Data Request No. 1	6	MGRA_Data Request No. 1_Q6	Under Initiatives, please provide Grid Hardening data, including Hardening Log. Hardening Point, and Hardening Line data. Inspection data is not requested at this time.	Butte County Rebuild, and 10K Undergrounding WMP initiative programs that were included in the Grid Hardening Log, Grid Hardening Point, and Grid Hardening Line feature classes and related table. Additional initiative projects reported in these feature classes includes data on when DCRE's five professments, multic professments, surpress projects and professments and CCREA.	Joseph Mitchell	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA 001.zip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
9	MGRA	Data Request No.	MGRA_Data Request No. 1	6 SUPP	MGRA_Data Request No. 1_Q6 SUPP	Under Initiatives, please provide Grid Hardening data, including Hardening Log, Hardening Point, and Hardening Line data. Inspection data is not requested at this time.	In response to this request, PGAE is providing non-confidential data for the System Hardening, Battle Courty, Pedials, and 10th Undergrounding WMP inhibits programs that were included in the Grid Hardening Log, Grid Hardening Point, and Grid Hardening Line feature classes and related table. Additional limitative projects regorded in these feature classes includes data on where PGAEFs, thus replacements, author, bendancements, surea amenter replacements, and SCADA In response to this request, PGAEE is providing WMP inhibits program data for the Weather	Joseph Mitchell	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
10	MGRA	Data Request No.	MGRA_Data Request No. 1	7	MGRA_Data Request No. 1_Q7	Under Initiatives, please provide Other Initiative data for point, line, polygon features and the Other Initiative Log.	In response to this request, PGAE is providing WIMP initiative program data for the Weather Station Installation and Optimization and Camera Installation that were included in the Other Initiative, log and Other Instalve Point related table and feature class. Additional WIMP Initiative projects reported in this feature class and related table includes data on where PGAE's Line Sensor bestallations. Distribution Earth Articioation. EPSS, Reliability intercoverents and Earth Earth. In response to this request, PGAE is providing WIMP Initiative program data for the Weather	Joseph Mitchell	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
10	MGRA	Data Request No.	MGRA_Data Request No. 1	7 SUPP	MGRA_Data Request No. 1_Q7 SUPP	Under Initiatives, please provide Other Initiative data for point, line, polygon features and the Other Initiative Log.	In response to this request, PG&E is providing WMP initiative program data for the Weather Station Installation and Optimization and Camera Installation that were included in the Other Initiative Log and Other Initiative Point related table and feature class. Additional WMP initiative projects reported in this feature class and related table includes data on where PG&E's Line Senero. Installations. Distribution Casil Additionation CPSS Relatibitis Intronvenements and Fault Additional Company.	Joseph Mitchell	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
11	MGRA	Data Request No.	MGRA_Data Request No. 1	8	MGRA_Data Request No. 1_Q8	Under Other Required Data, please provide Red Flag Warning Day polygon data.	PG&E is providing the Red Flag Warning Day polygon data, as requested by MGRA.	Joseph Mitchell	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
11	MGRA	Data Request No.	MGRA_Data Request No. 1	8 SUPP	MGRA_Data Request No. 1_Q8 SUPP	Under Other Required Data, please provide Red Flag Warning Day polygon data.	PG&E is providing the Red Flag Warning Day polygon data, as requested by MGRA.	Joseph Mitchell	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
12	MGRA	Data Request No.	MGRA_Data Request No. 1	9	MGRA_Data Request No. 1_Q9	independently as wes.	The method described in the 2022 WMEP to aggregate model results is conducted to produce a count segment better into value that it in not used to produce a count level risk value. He was the value of produce a count level risk value. He was the produced in response to this data proposal representation of clinical segments that would be provided in response to this data request models the destinification of CEI which we are required by law to markins and confidential the method described in the 2022 WMEP to aggregate model results is conducted to produce a the method described in the 2022 WMEP to aggregate model results is conducted to produce as	Joseph Mitchell	3/29/2023	4/10/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural: disaster/wildfire-mitigation- plan/reference-docs/2023/MGRA 001.zip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
12	MGRA	Data Request No.	MGRA_Data Request No. 1	9 SUPP	MGRA_Data Request No. 1_Q9 SUPP	Please provide a layer indicating calculated circuit-level risk using the methodology presented in the WMP. a. If independent probability and consequence layers exist, please provide these independently as well.	circuit segment level risk value but it is not used to produce a circuit level risk value. However, the geospatial representation of circuit segments that would be provided in response to this data request involves the identification of CEII, which we are required by law to maintain as confidential	Joseph Mitchell	3/29/2023	4/21/2023	4/21/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural: disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip	1	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
13	CalPA	Set WMP-08	CalPA_Set WMP- 08	1	CalPA_Set WMP-08_Q	FGEE VIVID* states: The EVID Program conclusion at the end of 2022. PGEE will continue to strengthen our other existing VID programs. PGEE is transforming the maintenance of enhanced clearances that were existently of the PGE Rodine VID states (We established rodine maintenance requirements for solicities distribution circuits subsets EVID Accord between the Note of the PGEE VID Accord between the Note of the PGEE VID Accord to the	and cancel conduce without the scenestion control accession, scretced the information through a roce, and 1) PGAEE is indeeding the minimum clearance recommendation of 12 feet in HFTO (per GO, 95 Rule 35, Appendix E) to 12 feet within HFFA.2) There is an anticipated increase of tree or removals vs time as it is the first course of action recommended at time of latting per the Distribution Vegetation Inspection Procedure (DRIP). Funding has been provided to account for increased entires. 3.1 Then, are inflience controls firstown sends and other control actions.	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_008.zip	0	N/A	8.2.2.2.6	Vegetation Management and Inspections	Discontinued Programs
14	CalPA	Set WMP-08	CalPA_Set WMP- 08	2		2 This is a new transitional program for 2023 stemming from the conclusion of the EVM program. This program is intended to work down trees previously identified. PG&E estimates that our EVM inventory included more than 300 000 trees at the end of 2022. Under the Time Removal.	increased removals. 3.1 Them are biother controls through such and employed and a) For this program the use of Transitionid represents the program transition from PMM to our new Tree Inventory Program, which will focus on working down the risk associated with the remaining 38MC. These units were identified under EVML galdelines and will be over a period of time based on resolution of constraints or other factors that hindered completion of work. 13M Feb. 1 And our deep his Time Elemental interest to Period and the Associated work of 10MC as the control of the Time Elemental interest to Period and the Associated common time the time that the Association of constraints or other factors that his consist on more time.	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_008.zip	0	N/A	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
15	CalPA	Set WMP-08	CalPA_Set WMP- 08	3	CalPA_Set WMP-08_Q:	WMP, PG&E states: This is a new transitional program for 2023 stemming from the conclusion of the EVM program.	conclusion of Enhanced Vegetation Management (EVM) at the end of 2022, we continue to evolve our Vegetation Management program. The use of 'transitional'	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_008.zip	0	N/A	8.2.2.2.3	Vegetation Management and Inspections	VM for Operational Mitigations
16	CalPA	Set WMP-08	CalPA_Set WMP- 08	4	CalPA_Set WMP-08_Q4	Regarding the new "Focused Time Impections" described in section \$2.22.5 of PGAE'S VMP. TOASE states. This is a new tractional program for 2022 steering from the concultained in the PSAH program. This is a new traction PSAH of the Impect from 5 Met effort in selfence high risk stress that have been programed to the PSAH of the Impect from 5 Met effort in selfence high risk stress that have provided more charges of values for factors of selfence. PSAH of the Impect from 5 Met effort in the Impect from 5 Me	contain p. by one of a contraction as the contraction of the registration of the contraction of the contract	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_008.zip	0	N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
17	CalPA	Set WMP-08	CalPA_Set WMP- 08	5	CalPA_Set WMP-08_Qt	PG&E states on p. 539 of the WMP- PG&E in restructing our VM Program starting in 2023. Based on recent data and analysis, the fisk reduction of the EVM Program is less than the risk reduction from the EPSS program that was introduced in 2021.8 a. 10 Bases describe the abnormalificant distalland analysis" that shows that "this distribution of PG&E states on 2.59 of the WMP-	a) PGAE: Introduced the companison of risk reduction and Risk Spend Efficiency (RSE) of EPSS vs EMI in the 2022 VMP and 2022 GRC Supplemental Figin February 2022. This companison is described in the 2023 GRC, Exhibit 3 Chapter 4 page 3-2 Brough 3-7. The updated wideline mitigation strategy is summarized in 1848 3-4 on page 3-39, as the risk reduction relative to cannot hatenane CMM and EDSEs is inharized in 1849 EDSEs is a photostically and year. PVD: refers to Partial Volgage Detection.	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 008.zip	0	N/A	8.2.3.4	Vegetation Management and Inspections	Fall-In Mitigation
18	CalPA	Set WMP-08	CalPA_Set WMP- 08	6	CalPA_Set WMP-08_Qr	Additional Operational Mitigations such as PVD and DCD will also help to mitigate risk previously prescribed to EVM. As a result, PG&E concluded the EVM Program at the end of 2022.	a) Yes, PVO refers to Paralla Voltage Detection. b) Yes, DVO refers to Drawale Conductor Detection. c) Partial Voltage Detection (and subsequent force outs of the nearest upstream SCADA capable device) are part of referens in depth "strategy that supplements the already highly effective baseline Enhanced Draweline, Safeth, Seditors, (EPSS). In natricular, Patital Voltage, Ence Out PSGE Good not currently have specific criteria for the lated miligations, floural portain parameters.	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_008.zip	0	N/A	8.2.3.4	Vegetation Management and Inspections	Fall-In Mitigation
19	CalPA	Set WMP-08	CalPA_Set WMP- 08	7	CalPA_Set WMP-08_Q	In Dec. (FOT: start for "December Conduction Detections" in this instance. Descent defined if not 0 np. 314-316 of PGAES VMMP. PGGAE with "December of the property of the pr	PROBLE consideration of the control	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_008.zip	0	N/A	7.2.3	Wildfire Mitigation Strategy Development	Interim Mitigation Initiatives

20	CalPA	Set WMP-08	CalPA Set WMP-	8		On pp. 314-316 of PG&E's WMP, PG&E divides its operational mitigations into four different groups. Group 2 includes "inspections and maintenance programs where we exceed compliance	At this time PG&E does not intend to discontinue any of the programs/initiatives listed in Group 2 mitigation. The programs/initiatives are designed and implemented to ensure that PG&E maintains		3/30/2023	4/5/2023	4/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-		N/A	72.3	Wildfire Mitigation Strategy	
20	CaPA	Set WMP-08	08	8	CalPA_Set WMP-08_Qt	One pp. 14-31 fed. POLES: WIND. POLES divides its operational intigations into four different youns. Group 2 includes "inspections and maintenance programs where we exceed compliance longer, membre under the premaring programs are designation or programs where we traced compliance on the compliance of the premaring programs are designated in a premaring the inspection of the individual premaring programs are designated in a premaring program described in section 8.2.2.4.4 POLES: Ext. asnot of the foliastics Circuit 2 militations, indexes states whether POLES individual for programs of premaring the section 8.2.2.4.4 POLES: Ext. asnot of the foliastics Circuit 2 militations, individual programs are section in section 8.2.2.4.4 POLES: Regarding the material reference whether programs discribed in section 8.2.2.4.4 POLES: 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	All this time PGAEL does not intend to decontinue any of the programme initiatives lated in Group 2 miligation. The programme initiatives a ledged only implemented to extreme that PGAEL multitation or with state and feneral regulations, as well as ledged the implemented to extreme that PGAEL multitation or with state and feneral regulations, as well as the control of the system that may be exposed to widdler in this that cannot be managed frough our control recoverance receition for implementation of Stottem Resilience mitistations. In the fixer, for yellow, the CGAEL control of the system of the programme in the programme is the programme in the programme in the programme is the programme in the programme in the programme is the programme in t	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 008.zip https://www.pge.com/pge_global/common/pdfs/	-	N/A	7.2.3	Development	Interim Mitigation Initiatives
21	CalPA	Set WMP-08	CalPA_Set WMP- 08	9	CalPA_Set WMP-08_Qt	WMP, PG&E states: "PG&E estimates that our EVM inventory included more than 300,000 trees 9 at the end of 2022."	to work down the risk associated with the 385K feets starting with 15K frees in 2023, 20K frees in 2024, and 25K trees in 2025, which results in 60K frees being worked through 2025. b) PG&E has operational mitigations including EPSS enablement in place. Additionally, PG&E conducts, and will condinue in conduct around Routine and Second Patrol of these areas, and PG&E will continue to assess the risk of the feathers during the period from 2023-2025 through	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 008.zip	0	N/A	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
22	CalPA	Set WMP-08	CalPA_Set WMP- 08	10	CaIPA_Set WMP- 08_Q10	napection Program is currently under development. By the end of 2025, PG&E plans to "Fully implement AOC cross-functional team to implement guidelines across all AOCs." Given that PG&E's EVM program has been discontinued, and that its Focused Tree inspection	the Distribution Routine and Second Patrol programs accordingly. The identification of hazardous or other emergent priority trees is embedded into all VM tree trimming and mitigation programs, as well as the resulting work verification and quality programs.	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
23	CalPA	Set WMP-08	CalPA_Set WMP- 08	11	CalPA_Set WMP- 08_Q11	Pronoumbas not set been full ideveloped, how will PG&E assess the risk of time fall line distinct the Table 8-14, PG&E's VM Targets, states that PG&E will collect LIDAR data on its Transmission System (17,500 circuit miles). Table 5-2, Electrical Infrastructure, states that PG&E has a total of 18,111 circuit miles of overhead transmission lines.	In addition to the Eccused Time Inspection Program PG&E has also introduced the Time a) No, PG&E will collect LIDAR data on all overhead Transmission circuit miles. b) NIA c) The difference between LIDAR Transmission inspections mapped on ETGIS and our LIDAR	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	plan/reference-docs/2023/CallAdvocates 008.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.2.1.1	Vegetation Management and Inspections	Routine Transmission NERC and Non-NERC
24	CalPA	Set WMP-08	CalPA_Set WMP-	12	CalPA_Set WMP- 08_Q12	a) Does PG&E rises to not collect LIDAR data on accordinate/s600 overbead circuit miles of Table 8-14, PG&E's WIL Targets, states that "Each of the 3 programs (Routine Distribution, Routine Transmission and Pole Clearing) must achieve a 95% quality verification audit results ness rate."	vendor's data is due bargely to parallel circuits and some geometry differences; miles are confirmed acainst circuit location and length from the LIDAR data. It is common to see a Should a program fall below a 95% pass rate, catch back plans will be developed in partnership	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	plan/reference-docs/2023/CalAdvocates 008.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-		N/A	8.2.2.4	Vegetation Management	Tree Removal Inventory
			CalPA Set WMPs		CalPA Set WMP-	Please describe the actions PG&E will take during the 2023-2025 period if a program does not arbieve a 95% nass rate on quality verification audits. Table 8,18.1, Venetation Management OV Program lists the following audit pass results for 2022.	with VM execution to mitigate for specific cause of deficient rate. a) Improved quality verticals have been established for 2023, allowing for greater insight into overal VM work product throughput and risk identification/mitigation. Clear definitions of					disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 008.zip https://www.pgc.com/pge_global/common/pdfs/				and Inspections	Quality Assurance and Quality
25	CalPA	Set WMP-08	-08	13	08_Q13	VM work: Distribution: 91.3% Transmission: 94.2% Manakton: Control Bode Flavoire: 00.3M. Regarding the Ustribution Second Patrol* described in section 8.2.2.2.2 of PG&E's WMP,	any map to decide young in creation in which calculations of a country and privile desired and a coveral VM work product throughput and risk identification imbiguation. Clear definitions of acceptance oritins is, sampling methodology, population eligibility, and pass rate accidations were resistablished and commanded across the VM organization prior and pass rate accidations were resistablished and commanded across the VM organization prior as). To ensure that desidying there work is completed with 100 days in IHFTD and 305 days in non-HETD BRASE VM has developed an connects to record risk in Days ID market the Reviews and VM-evils.	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 008.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.2.5.1	and Inspections	Verification
26	CalPA	Set WMP-08	CalPA_Set WMP- 08	14	CaIPA_Set WMP- 08_Q14	PGEE staties: "PGEE has implemented a plan to complete the identified deadldying tree work within 180 days for HFTD areas and within 385 days for non-HFTD areas: a) What specific steps, actions, or measures are included in the plan noted in the quote above — in other words, what specific, steps, is PGEE halon to noscene that deadlishon tree work will be Regarding the "Defensible Space in Expection" described in section 8.2.2.3 in PGEEE WIMP,	HFTD, PG&E WM has developed a process to report out in Daily Operating Reviews and Weeley Operating reviews at multiple functional levels -including VM leadership and VM execution - the status of dead and dying trees and their finelines and timeliness status. This measure ensures justibility and accountabilities after periodical level a) When deferrable space zones evented onto private property, outreach to such landowners is	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_008.zip	0	N/A	8.2.2.2	Vegetation Management and Inspections	Distribution Second Patrol
27	CalPA	Set WMP-08	CalPA_Set WMP- 08	15	CalPA_Set WMP- 08_Q15	PG&E states: "Landowner related issues continue to prevent PG&E from achieving 100 percent defensible space completion status at locations where substation defensible space zones extend into privately cannot expect."	made in advance to obtain permission to enter and conduct inspection. If access is granted, the inspection is executed with fuel reduction and PRC 4291 compliance prescription determined. If access is decided and found to be without applicable acceptance, other land rights or valid enter-	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 008.zip	0	N/A	8.2.2.3.1	Vegetation Management and Inspections	Defensible Space Inspection
28	CalPA	Set WMP-08	CalPA_Set WMP- 08	16	CaIPA_Set WMP- 08_Q16		accessments. The instruction record will reflect a "refusal" and for amended for these reflections as a) If PGE is usual to conduct a landowner regarding their preference for weed offset, crease will be remove the wood chips when sale to do so. If access does not allow for chipping and wood chip removal, crews will lop and scatter debris on site in accordance with applicable regulations. b) There are multiple real-time populations for indeventies for indeventives to request wood management. PGEE	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.3.2	Vegetation Management and Inspections	Wood and Slash Management
29	CalPA	Set WMP-08	CalPA_Set WMP- 08	17	CalPA_Set WMP- 08_Q17	partopsis:	In receive the state of trade are coportal totals on a sub-roles of receives and control instalgention. The Jack PR confirms and Second Patricy PEGE does not currently have standards appealed to high-risk species. Trees identified during those inspection cycles that require mitigation per PRCL293 and 600S Ruil 83 are expected to be identified and listed for work regardless of species. A new program, Pocused Tire Inspection (FTI) is being piloted starting in 0.2 2023 and will incorporate microsolaritation audiosis informed by time caused cultimost with Amexas of Dioconcern, ADCL and the complete of the complet	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	plan/reference-docs/2023/CalAdvocates 008.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.3.6	Vegetation Management and Inspections	High-Risk Species
30	CalPA	Set WMP-08	CalPA_Set WMP-	18	CalPA_Set WMP- 08_Q18	PG&E's WMP states, in Table 8-18-3, VM Field QC Metrics Report, that pass rates are "not a WMP target" for 2023-2025.	program - Potosco Live A september 1971 is used to the control of	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	plan/reference-docs/2023/CalAdvocates 008.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	0	N/A	8.2.5.2	Vegetation Management and Inspections	Quality Control
	CalPA		CalPA Set WMP-		CalPA Set WMP-	Please explain why PG&E has not set target pass rates for VM Field QC for 2023-2025. Table 8-19, Priority 1/Priority 2 and Second Patrol Trees Categorized By Age, shows 296 priority 1 or 2 trees that were inspected more than 180 days prior to February 28, 2023. Please provide a table with the following additional information for these 268 frees:	The data for the 296 P1/P2/Second Patrol trees can be found on "WMP Discovery2023 DR CalAdvocates 008-Q019Atch01.xisx"					disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 008.zip https://www.pgc.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-				Vegetation Management	
31	CalPA	Set WMP-08	08	19	08_Q19	Please provide a table with the following additional information for these 298 trees: a) The exact number of days since the last inspection, as of February 28, 2023 b) The comment priorities test of the tree. P. 100 FRSEE's WMP states, "We have completed certain programs and removed some less impactful target from the 2023 VMMP."	For the 3 Priority 1/Priority 2 Trees out of the set of 296, please refer to tab iP2 Data, a) Please see 'Rige in 'Co'Lumr I' on tab 'P2 Data for the age in days since the last inspection as an of Edward 1990 1997 a) a) The targets that two ricked in the 2022 WMP but not included in the 2023 WMP are indefined by the Please note that we do not necessarily consider each of these to be 'less	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 008.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	8.2.6	and Inspections	Open Work Orders
32	CalPA	Set WMP-09	CalPA_Set WMP- 09	1	CalPA_Set WMP-09_Q	implacious laughs into in 2020 YMMP. 3) Please list the "less impactful fargets that were removed from the 2023 WMP. 5) For each target in part (a), please explain how PG&E determined that the target was "less impactful". P. 407 of PG&Es WMP states, "increased temperatures can cause electric equipment to age more quickly which will increase the need for more frequent asset replacements. Higher	impactful" in all situations. Instead, they are more properly described as not being the best choice for our wildfire mitigation portfolio at this particular point in time.	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_009.zip https://www.pse.com/pse_slobal/common/pdfs/	0	N/A	1	Executive Summary & Overview	N/A
33	CalPA	Set WMP-09	CalPA_Set WMP- 09	2	CalPA_Set WMP-09_Q	2 temperatures may cause equipment to fail resulting in customer outages."	• We after. Station installation and Certifications. In EASE, district incides a latest for usable estation. POSE moters that its statement is included in the 2023-2025 WMP as a general observation about the sensitivity of certain electric assets to prevailing temperatures that exceed equipment design specifications. It does not constitute a forough evaluation of the vulnerability (meaning, the exposure of an asset to a specific climate hazard as well as an asset's sensitivity to that climate hazard in a riven access required.	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 009.zip	0	N/A	5.3.4.2	Overview of the Service Territory	Climate Change Phenomena and Trends
34	CalPA	Set WMP-09	CalPA_Set WMP- 09	3	CalPA_Set WMP-09_Q	Joint Numerature? - 586 of POSES* WMP Patters: In 2022 we confined our assessment through the Electric Program Investment Charge 3.44, 3 Adameted File Rebection from Wilderfile Alert Cameras; "program Through our assessment period we determined that Al delection on camera will improve our detection system and in 2023 was will acted an audorich in bestall Allection on our amenance.	are apposed of all values to a specific denaled leasured as was on an assent a sensining to assent denaled bearmed in a diversion and provide as washed denaled bearmed in a diversion and provided as a state of the efficiency of the same section (grip to assist with the detection and notification of new ignitions, in 2022 a project was basished under the Electric Program investment Charge 3.45 is which multiple potential vendors participated to prove out the ability of the All bednotting to continuously monitor the feeds from the wildfire	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfires-intigation-	1	N/A	8.3.4.2	Situational Awareness and Forecasting	Ignition Detection Systems
35	CalPA	Set WMP-09	CalPA_Set WMP- 09	4	CalPA_Set WMP-09_Q-	de de certa a della la local di delle il la la certa della certa d	interests installed in BOAE services services and remote, alerts to holl BOAE and resonation. PROBES PSPS MAY Plack Score includes seality reliability, and financial compromers. The combination of the components results in a boal MAVP Resk Score for PSPS. Combination of the components results in a boal MAVP Resk Score for PSPS. While the property of the propert	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	3	N/A	6.2.2.3	Risk Methodology and Assessment	Risk and Risk Components Calculation
36	CalPA	Set WMP-09	CalPA_Set WMP-	5	CalPA_Set WMP-09_Q	are califorated to the MoVP. P. 161 of PG&E's WMP discusses Group G, Above-Grade Hardware, in the context of PG&E's WTRM. Group G has two sub-groups. PG&E states, "Sub-Group 1 consists of components 5 where the life cycle closely aligns with that of the structure. These include the hanger plate and	Secious, Joins or Estable (JSE) Limition Customes Mindres, Intermed (JCMI). Debuis, are shown in a) Yes, the same hazard and threats are applied to all components within a grouping. Grouping a set of components is based on the following considerations: 1. Simitar asset lifecycle; 2. Sensitivity to smillar threats and hazards; and	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	plan/reference-docs/2023/CalAdvocates 009.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	6.2.2.1	Risk Methodology and Assessment	Risk and Risk Components Calculation
37	CalPA	Set WMP-09	CalPA_Set WMP-	6	C-DA C-JUMP O	100 v 100 m gively that intersect PGSE overhead electrical infrastructure locations and that are in	Similar Asset Management strategy New York of the Strategy Yes, by "upper 20th percentile" PG&E means the 80th through 100th percentiles: i.e., the	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	plan/reference-docs/2023/CalAdvocates 009.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-		N/A	6.4.1.2	Risk Methodology and	Top Risk Areas Within the HFRA
			09			percentiles are conventionally defined (in other words, the highest quintile of risk scores)? D. 73 of DCSE's WMD states. "We created a species, specific stress index model for DCSE tree.	orid of square 100 m x 100 m pixels: (2) for each pixel intersection PG&F overhead electrical a) A species-specific stress index model for tree health and mortality uses information related to	Toy Yellinai				disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 009.zlp https://www.pge.com/pge_global/common/pdfs/	-			Assessment	
38	CalPA	Set WMP-09	09	7	CalPA_Set WMP-09_Q	health and mortality." 7 a) What is POSAE's species-specific stress index model for tree health and mortality? 7 a) What is POSAE's species-specific stress index model for tree health and mortality? 6 b) How does POSAE utilize its species-specific stress index model for tree health and mortality? 6 b) How does POSAE utilize its species-specific stress index model for tree health and mortality? 7 b) How does POSAE utilize its species-specific stress index model for tree health and mortality? 8 b) How does POSAE utilize its species-specific stress index model for tree health and mortality? 9 b) How does POSAE utilize its species-specific stress index model for tree health and mortality? 10 b) How does POSAE utilize its species-specific stress index model for tree health and mortality? 11 b) How does POSAE utilize its species-specific stress index model for tree health and mortality? 12 b) How does POSAE utilize its species-specific stress index model for tree health and mortality? 13 b) How does POSAE utilize its species-specific stress index model for tree health and mortality?	temperature, precipitation, evapotranspiration, and other environmental trends to evaluate issues impacting tree health and mortality. b) PG&E has not yet received the information from its vendor needed to develop the stress index model but excerts to receive in shorthy. Once the information is received PG&E-sit perform The BMPs referenced on Page 12 of the WMP In To 17-102-01-14-01, Sest Management.	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_009.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	4.4	Overview of WMP	Risk-Informed Framework
39	CalPA	Set WMP-09	CalPA_Set WMP- 09	8	CalPA_Set WMP-09_Qt	I) from User Proble Little for specific Sylectic Steeps and notions or see from an animal series. P 12 of PGBES 1998 steeps. When conducting VM activities, PGBE employees and contractors must adhere to PGBE 18 Best Management Processor (BMP) where processor BSMPs are considered practicable where I Management Processor (BMP) sharp practicable. BSMPs are considered practicable where I Management Processor (BMP) sharp practicable sharp are considered practicable where I Management Processor (BMP) sharp practicable sharp are considered practicable where I Management Processor (BMP) sharp processor (BMP) sharp processor (BMP) are considered processor (BMP) and the I MANAGEMENT (BMP) and I MANAGEMENT (BMP)	anded M.A. exposite. In protein is all bords. Once the information is received. DNLE will necloum. The BMPs referenced on Page 122 of the WMPs IT DT-17026-01-AUR). Best Management Practices (BMPs) are Vegetation Management's (VMI) controls to ensure compliance with environmental compliance requirements. a) PGLE makes every effort to comply with the BMPs. If the risk of vegetation in relation to our secretal and interface incompliance with GCL 95. Rules 118. AS. BRCs. 4292-ex.4291. cv. MERC.	Holly Wehrman	4/4/2023	4/12/2023	4/12/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 009.zip	1	N/A	5.4.5	Overview of the Service Territory	Environmental Compliance and Permitting
39	CalPA	Set WMP-09	CalPA_Set WMP- 09	8REV	CalPA_Set WMP- 09_Q8REV	Fr. 120 in Podics 9 1961 suites. When conducting VM activities, PG&E employees and contractors must adhere to PG&E's Best Management Practices (BMP) where practicable. BMPs are considered practicable where physically possible and not conflicting with other regulatory. Applications on safety considerations, IGO 45 Rule 35 and publication on safety considerations, IGO 45 Rule 35 and publication on safety considerations. IGO 45 Rule 35 and publication of the PGA 45 and PASS 25 ACT 10 primary target for secondary patrols is HFTD and HFRA but	assets and notestial rouncompliance with CLO 9.6 Rules. 18.8.3.6 RPCs. 4290 n.s. 4293. n.s. NERC. The BMPs referenced on Page 12 of the WMPs In TO 1702-01-1.401. pless thanogement Practices (BMPs) are Vegetation Management's (VM) controls to ensure compliance with environmental compliance requirements and profile makes every effort to comply with the BMPs. If the risk of vegetation in relation to our varies and controlling one compliance with CLO 8.0 Let et al. 8.6 RPCs. 4290 n.s. 4290 n.s. 4580 p.s.	Holly Wehrman	4/4/2023	4/12/2023	4/13/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 009.zip	1	N/A	5.4.5	Overview of the Service Territory	Environmental Compliance and Permitting
40	CalPA	Set WMP-09	CalPA_Set WMP- 09	9	CalPA_Set WMP-09_Qt	exceptions and additional areas are included to appropriately address vegetation associated grisks; 9 Initial Property (Paginging in 2023, PCRE will use the appropriately address vegetation associated grisks; 9 267 states (Paginging in 2023, PCRE will use the appropriately address vegetation associated grisks).	synonymously with the use of "Second Patrols" and both terms refer to Second Patrol. "In accord with regulatory requirements and/or PG&E VM Second Patrol Procedure (TD-7102P-23), the VM Second Patrol reports and/or PG&E visit of the processing the strength of the top Second Patrol reports of the second patrol according to the patrol acco	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.2.2	Vegetation Management and Inspections	Distribution Second Patrol
41	CalPA	Set WMP-09	CalPA_Set WMP- 09	10	CalPA_Set WMP- 09_Q10	doinoi RN. PCRE-22.00 b. identifix areas subject to Second Batrols." P. 342 of PG&E's WMP states, "In July 2021, PG&E bunched a muti-year program to underground 10,000 distribution circuit miles in high widtler risk areas. a) Since the July 2021 arrouncement of its 10,000 mile undergrounding program, has PG&E performed any studies to determine whether the planned scope of 10,000 circuit miles should be	matter rather to see the matter and secondary distribution facilities. The minimary tames for a) Yes. PG&E determined that undergrounding approximately 10,000 miles will restrict a approximately 10 percent of risk in the HFTD. We initially used the output from our Wildeline Distribution Risk Model (WDRM) version 2 to first identify the 10,000 miles. We then subsequently suidaded that this was the correct number or miles after the July 2021.	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	plan/reference-docs/2023/CalAdvocates 009.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	2	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
42	CalPA	Set WMP-09	CalPA_Set WMP-	11	CalPA_Set WMP- 09_Q11	P. 969 of PG&E's WMP states, "on average, it takes 125 UG install miles to replace 1 OH mile. However, at times, this multiplier can be 2-3 times greater." Does PG&E's target of 10,000 miles of undergrounding refer to the number of OH circuit-miles to	appropriement using the output from our undated WDRM v3.	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	plan/reference-docs/2023/CalAdvocates 009.zip https://www.upe.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	Appendix D	Areas for Continued	ACI PG&E-22-34 – Revise Process of Prioritizing Wildlire Mitigations
43	CalPA	Set WMP.09	CalPA_Set WMP-	12	CalPA Set WMP-	a) What is PGAP's current forecast cost per circuit-mile for undergrounding projects completed in	a) PG&E did not provide a forecast cost per circuit miles for undergrounding projects completed specifically in the second half of 2025 in its WMM; However, PG&E did provide a target unit cost (cost per circuit mile) by year for undergrounding projects through our 2023 GRC Reply Brief (A. 21-06-021):	Holy Wehrman	4/4/2023	4/7/2023	4/7/2023	plan/reference-docs/2023/CalAdvocates 009.zip https://www.pe.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.2	Grid Design and System	Undergrounding of Electric Lines
			09 CalPA Set WMP-		09_Q12 CalPA Set WMP-	the second half of 2025? b) Please provide workpapers to support your answer to part (a). a) What is PG&E's forecast RSE for undergrounding completed in the second half of 2025?	2.746-0715 2.746-0715 2.746-0715 2.746-0715 3.746-	,				disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 009.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	-			Hardening Grid Design and System	and/or Equipment – Distribution
44	CalPA	Set WMP-09	09	13	09_Q13		 Disease see attachment "WMP.Discovery2023. DR. Caládyocates. 009,0013Mrb01.vism" for a) PG&E does not forecast costs per circuit-mile for covered conductor projects in its WMP. 	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 009.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	8.1.2.2	Hardening	and/or Equipment - Distribution
45	CalPA	Set WMP-09	CalPA_Set WMP- 09	14	CalPA_Set WMP- 09_Q14	a) What is PG&E's current forecast cost per circuit-mile for covered conductor projects completed in the second half of 2025? b) Please provide workpapers to support your answer to part (a).	However, PG&E did provide a unit cost of \$1.678 million per mile for overhead handening in 2025 in its 2023 GRC, L2 1-06-021, Eshibi PG&E,4, Workspeel + L28, line 18), b) Please see attachment "WMP-Discovery/2023_DR. Callek/occates_0.09-0.0144.kt/b1, pdf for the resussets information. a) PG&E does not forecast as RBE for coordinator system arbeining for the second half of 2025 in its WMP-However, in the 2023 GRC, PG&E provided an RBE of 5.8 in 2025 for	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 009.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	8.1.2.5	Grid Design and System Hardening	Traditional Overhead Hardening -Transmission Conductor and Distribution
46	CalPA	Set WMP-09	CalPA_Set WMP- 09	15	CaIPA_Set WMP- 09_Q15	a) What is PG&E's forecast RSE for covered conductor system hardening completed in the second half of 2025? b) Please provide workpapers to support your answers to part (a). Question 16	overhead system hardening (A. 21-06-021, Exhibit PG&E-4, Chapter 3, p. 3-6, Table 3-1).	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 009.zip	0	N/A	8.1.2.5	Grid Design and System Hardening	Traditional Overhead Hardening -Transmission Conductor and Distribution
47	CalPA	Set WMP-09	CalPA_Set WMP- 09	16	CalPA_Set WMP- 09_Q16	Obestion 16 In response to other request Califocotes PGE-0229/WIND-03, question 7c. PGAE states. The similary approach for selecting miles used two risk providation methodologies; (1) Top 20 overest circuit segments based on the 2022 WIDRIA's 2nd; [1] the Wilder Featibility Efficiency (WFE) varied circuit segments based on the 2022 WIDRIA's 2nd; [1] the Wilder Featibility Efficiency (WFE) varied circuit segments based on the 2022 WIDRIA's 2nd considering undergrounding feacibility.	Please see attachment "WMP-Discovery2023_DR_Cal/Advocates_009- 0016Abch01_CONExist" for the requested information from data request Cal/Avocates_PGE- 2023WMP-03, question 7c (projects identified for possible undergrounding in the 2023-2026 timeframe).	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	N/A	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
48	CalPA	Set WMP-10	CalPA_Set WMP-	1	CalPA_Set WMP-10_Q		Execute our column M first at howes the anoticable risk model used for scoriors the revised MORBM. JOCD is capable of seeing from the device to 'end of lier', herefore we are able to provide DCD protection on most eligible High Fire Risk Area line miles by the end of 2023, then applications of the provide of 2023, then applications of the PSS Buffer area. The number of devices decrease in 2024 and 2025 because the line miles covered in 2024 and 2025, including in the PSS Buffer area. The number of devices decrease in 2024 and 2025 because the line miles covered in 2024 and 2025, including IESSS Riffer area not sets fram the line coverence in including IESSS Riffer area not sets fram the line coverence in including IESSS Riffer area not sets fram the line coverence in including IESSS Riffer area not sets fram the line coverence in including IESSS Riffer area not sets fram the line coverence in including IESSS Riffer area not sets fram the line coverence in including IESSS Riffer area not set to the set of the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in including IESSS Riffer area not set to the coverence in	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/CalAdvocates 009.zip https://www.upe.com/upe_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.1.2	Grid Design, Operations, and Maintenance	Targets
						• 250 devices in 2025	EPSS Ruffer area are less than the line coverage in eligible HERA for 2023.					plan/reference-docs/2023/CalAdvocates 010.zip					

						Table 8-5 on p. 336 of PG&E's WMP shows a forecast reduction in the number of EPSS events	a) For 2023, factors contributing to the reduction in the number of EPSS related outages are					https://www.pge.com/pge_global/common/pdfs/					
49	CalPA	Set WMP-10	CalPA_Set WMP- 10	2	CalPA_Set WMP-10_Q	of one to two percent annually from 2022 to 2025. a) What factors does PG&E expect to contribute to the reduction in the number of EPSS events discussed above? h) Why is PG&E's forecast reduction in the number of EPSS events linear across the 2023-2025. a) Does PG&E forecast a change in the average duration of EPSS events during the 2023-2025.	Sheet of actions to install additional Line Reclosers (LR) and Fuer Savers on the highest impacted protective zones to reduce the reliability impact. These will be installed in locations that are within the HFRA or protect equipment within the HFRA. The planned installs will provide reliability-benefits on fine tan lines within the score of the EPSS program. PG&E will also. a) Not at this time.	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 010.zip	0	N/A	8.1.13	Grid Design, Operations, and Maintenance	Performance Metrics Identified by the Electrical Corporation
50	CalPA	Set WMP-10	CalPA_Set WMP- 10	3		period? b) If the answer to part (a) is yes, provide the expected average duration of EPSS events for	No. We require more operating experience before being able to accurately forecast reduction in average duration for EPSS outgoes. We have inversed the target of four hours to 210 minutes in	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.13	Grid Design, Operations, and Maintenance	Performance Metrics Identified by the Electrical Corporation
51	CalPA	Set WMP-10	CalPA_Set WMP- 10	4	CalPA_Set WMP-10_Q	2023, 2024, and 2025. 2024, 2024, and 2025. 2024, 2024, and 2025. 2024, 2024, and 2025. 2	2022. J DTS-FAST is an integrated system of sensors and technologies that are established and available on the market, working together to mitigate widther risk. Testing focused on validating sensor functionally in widther and utility user scenarios, excompossing functional testing, environmental testing, and long-ferm realisence testing, learnings were immediately applied to	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/CalAdvocates 010.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.12.6.2	Grid Design and System Hardening	Emerging Grid Hardening Technology Installations and Pilots
52	CalPA	Set WMP-10	CalPA_Set WMP-	5	CalPA_Set WMP-10_Q	P. 357 of PG&E's WMP states, "If deployed, DTS-FAST could have a significant impact on	continues assence conditionation. a) Please quantify the prizare in significant impact on wildline risk' in the above quote. We do not have enough data to provide a precise quantification of the impact at this time. The deployed sensor or plant is designed to achely months the environment of posterial width enrisk. For instance, the sensors are capable of detecting vegetation that has falsen onto power lines or are instance, the sensors are capable of detecting vegetation that has falsen onto power lines or are lines or as lines and those can alware and the location.	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/CalAdvocates 010.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.6.1	Grid Design and System Hardening	Emerging Grid Hardening Technology Installations and Pilots
53	CalPA	Set WMP-10	CalPA_Set WMP-	6	CalPA_Set WMP-10_Q	P. 464 of PG&E's WMP states, "In 2022, we reduced the Customer Average Interruption Duration Index (CAIDI) and Customers Experiencing a Sustained Outage (CESO) for customers.	leaning analists it. When such an event is detected, the sensor will tricker an alarm at the location. Please see "WMP-Discovery2023_DR_CalAdvocates_010-Q006Atch01.xtx."	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/CalAdvocates 010.zip https://www.ope.com/ope_slobal/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	N/A	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
54	CalPA	Set WMP-10	CalPA_Set WMP-	7	CalPA_Set WMP-10_Q	P. 464 of PG&E's WMP states, "By the end of 2022, we responded to 89 percent of outages on EPSS-enabled lines within 60 minutes, responding on average within 42 minutes." The statement above refers to results achieved "by the end of 2022." What time certod is this	The 42-minute figure is an average of the response time to all outages on EPSS-protected circuits in 2022 since EPSS Outage Response time tracking began. The timeframe covered is May 23, 2022 – December 31, 2025.	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/CalAdvocates 010.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation-	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfre Risk
55	CalPA	Set WMP-10	CalPA_Set WMP-	8	CalPA_Set WMP-10_Q	data drawn from? In other words, the 42-minute figure is an average of response times in what national network. P. 464 of PG&E's WMP states, "By the end of 2022, we responded to 89 percent of outages on EPSS-enabled lines within 60 minutes, responding on average within 42 minutes." For all outages 8 on EPSS-enabled lines in all of 2022, provide the following:	2022 EPSS OUTAGE RESPONSE AVERAGE RESPONSE TIME 27th PERCENTILE PERSONSE TIME	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/CalAdvocates 010.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation-	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfre Risk
						 a) Average response time b) 28th percentile response from P. 464 of PG&E's WMP battes, "By the end of 2022, we responded to 89 percent of outages on EPSS-enabled lines within 60 minutes, responding on average within 42 minutes." For the 11 p percent of outages (noted in this quote) on EPSS-enabled lines that PG&E did not respond to 	MEDIAN (SOTH PERCENTILE) RESPONSE TIME 75TH PERCENTILE RESPONSE TIME 2022 EPSS OUT AGE RESPONSE 2022 EPSS OUT AGE RESPONSE					plan/reference-docs/2023/CalAdvocates_010.zip https://www.pge.com/pge_global/common/pdfs/					
56	CalPA	Set WMP-10	CalPA_Set WMP- 10	9	CalPA_Set WMP-10_Q	EFSS-enabled lines within our minutes, responding on average within 42 minutes. For the 11 percent of sudges (noted in this quote) on EPSS-enabled lines that PG&E did not respond to within 60 minutes, provide the following: a) Average inscorporate lines. P. 441 of PG&E WIMP states, "We plan to implement a QA (quality assurance) program for	2022 EPSS OUTAGE RESPONSE AVERAGE RESPONSE TIME FOR RESPONSES > 60 MINUTES LONGEST RESPONSE TIME 95 Minutes All The function that has been historically referred to as "ouality verification" is in fact a component.	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 010.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
57	CalPA	Set WMP-10	CalPA_Set WMP- 10	10	CalPA_Set WMP- 10_Q10	systems inspections." a) Please discuss the progress PG&E has made so far in implementing a QA program for systems inspections. h) When does PG&E executed to implement a QA program for systems inspections? P. 441 of PG&E WIMP states. "We plan to update existing QV (quality verification) procedures	Advances, exciton that has been instrucibly referred to as "quality verification" is in fact a component of the OA program for systems improvisor and libe referred to as OAV rather than one of the OAP common of the other commo	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 010.zip	0	N/A	8.1.6.1	Quality Assurance and Quality Control	Quality Assurance
58	CalPA	Set WMP-10	CalPA_Set WMP- 10	11	CalPA_Set WMP- 10_Q11	F. 44 to IT-State 5 triver basities, we pair to update existing CVV quality vertication procedures for systems impactions. a) Please discuss the progress PG&E has made so fair in updating existing CVV procedures for systems inspections. b) When does PG&E except to consolete its undates to existing CVV procedures for sections. b) When does PG&E except to consolete its undates the visiting of the procedure of	as it is quarry testin to currently studied gray a included increase in its prior of procedures as all infinial step in the development of updated procedures. b) Expected completion of this work is the end of the third quarter of 2020. C) The planned updates improve upon PG&E existing QV procedures by accurately reflecting the QV mole in the holistic sestems inscendion introutboat. Ja Pleaser nefer to page 83 of our 2022 VMMP which defines external factors as follows:	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 010.zip	0	N/A	8.1.6.1	Quality Assurance and Quality Control	Quality Assurance
59	CalPA	Set WMP-10	CalPA_Set WMP- 10	12	CalPA_Set WMP- 10_Q12	tags in HFTD/HFRA, new (EC notifications identified after January 1st, 2023) HFTD/HFRA ignition risk tags will be completed in compilance with GO 95 rule 18 timelines, barring external factors."	"External Factors represent reasonable circumstances which may impact execution against targets, objectives, other work, or performance metrics including, but not limited to, physical conditions, landholder refusals, environmental delays, customer refusals or non-contacts.	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_010.zip	0	N/A	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
60	CalPA	Set WMP-10	CalPA_Set WMP- 10	13	CalPA_Set WMP- 10_Q13	performed annually on time dependent tags to confirm Priority E Notification has not escalated to Priority A or B.* ; a) Under PG&E's current procedures and policies, can a FSR de-escalate the priority of a	nermitting delaudirestationiss, seather conditions, removed or destinated assets, antive wildline a) The FSR programs is focused on identifying conditions that have escalated to Princity A and B. Inspectors can also recommend that a notification be canceled if they believe it was created in error, is no longer required according to PG&Es guidelines, or if they find all work identified on the EC is already completed in the field. In certain instances, the FSR can lead to a downgrade in tag	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 010.zip	0	N/A	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
61	CalPA	Set WMP-10	CalPA_Set WMP- 10	14	CalPA_Set WMP- 10_Q14	Table PG&E-8.1.7-3 on p. 456 of PG&E's WMP has empty cells in the HFRA row. a) Please explain why the HFRA row is empty in the above table. b) Please provide an updated version of PG&E-8.1.7-3 with the HFRA row filled in.	priorities. Cor exemple, if the two cateloness rise scene with an increator recommended. The HFRA line in Table PG&E-8.1.7.3 was blank because PG&E was unable to segregate the HFRA tags. Table 1 below shows the number of open distribution work orders categorized by HFTD tier from Q1 2020 through Q4 2022 and is bed to the QDM data provided to Energy Safety on March 1,	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 010.zip	0	N/A	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
62	CalPA	Set WMP-10	CalPA_Set WMP- 10	15	CalPA_Set WMP- 10_Q15	In response to data request CalAdvocates-PGE-2023WMP-05, question 3, PG&E states, "There is an inherent QC process that is part of the drone inspection, but there is no outside group that is looking at QC." a) Please describe the inherent QC process for drone inspections. What are the main features of	2023. a) There is a 100% review of all inspections that are part of the inspection process. The inspector completes the inspection and a spot check is performed for commonly missed items. b) Spot checks are performed for the commonly missed items that potentially caused a fire or limition.	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	pian/reference-docs/2023/cainavocates_101.2ip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- pian/reference-docs/2023/caiAdvocates_010.zip	0	N/A	8.1.3	Asset Inspections	N/A
63	TURN	001	TURN_001	1	TURN_001_Q1	is a three of C. crossed. 1. Regarding ALT PEZZ 2-3.4 when found that "PCAE's current process of provincing wilding regarding. In Regarding ALT PEZZ 2-3.4 with found that "PCAE's current process of provincing wilding to risk mode chapte or PEZ estimated" and with obtained for thorough part PCAE must make in the WMP to bother designed progress. 1. Each PEZZ 2023-2024 for the provincing counterstation provides a companion of the counterstate of the pezz 2023-2024 for the segregated few file or undergounding companed to the PCAE 2023-2024 for the segregated few file or undergounding companed to the PCAE 2023-2024 for the segregated few file or undergounding companed to the PCAE 2023-2024 for the provincing companed to the PCAE 2023-2024 for the provincing companed to the PCAE 2023-2024 for the provincing companed to the PCAE 2023-2024 for	a) No. PEAE 2023-2025 WIMP does not provide a comparison of the RESE for undergrounding compared to he RESE and startenish englisher. Nower, the information, RESE at the tunior, compared to he RESE and the tunior, RESE and the tunior, and suppose the reservoir within englisher in schaling undergrounding, a provided in RESE and 2023 Vol. 19, the 2022 WIMP reservoir in RESE and 2023 Vol. 19, the 2022 WIMP reservoir in RESE and 2023 Vol. 19, the 2023 WIMP reservoir in RESE and 2023 Vol. 19, the 2023 WIMP reservoir in RESE and 2023 Vol. 19, the 2023 WIMP reservoir in RESERVOIR vol. 2023 Vol. 19, the 202	Tom Long	4/4/2023	4/7/2023	4/7/2023	https://www.ppe.com/ppe_global/common/pdfs/ safety/emergency_preparedess/satural- disaster/widtes/widte-mitgation- glos/safety-mitgation-global-safety-mitgation-global-safety	1	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 – Revise Process of Prioritizing Wildlire Mrtigations
64	TURN	002	TURN_002	1	TURN_002_Q1	that compare undercounding with alternative mitigation techniques, such as covered conductor. Please provide the attachment to the response to Califdvocates-PG&E-2023WMP-06-007, which PG&E has labeled as confidential.	biohest risk areas, and then selects the anonorciste risk militantion accorach for that circuit which. Please see attachment "WMP-Discovery2023_DR_TURN_002-Q001Atch01CONF xisx" for the requested information.	Tom Long	4/4/2023	4/7/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	Yes	8.2.3	Vegetation Management and Inspections	Vegetation and Fuels Management
65	TURN	002	TURN_002	2	TURN_002_Q2	Please provide the attachment to the response to CalAdvocates-PG&E-2023WMP-06-008, which PG&E has labeled as confidential.	Please see attachment "WMP-Discovery2023_DR_TURN_002-Q002Atch01CONF.xtsx" for the requested information.	Tom Long	4/4/2023	4/7/2023	4/7/2023	plan/reference-docs/2023/TURN 002.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN 002.zip	1	Yes	8.2.3	Vegetation Management and Inspections	Vegetation and Fuels Management
66	TURN	002	TURN_002	3	TURN_002_Q3	Please provide the attachment to the response to CalAdvocates-PG&E-2023WMP-06-009, which PG&E has labeled as confidential.	The attachment to CalAdvocates-PG&E-2023WMP-06-009 was identical to the attachment provided for CalAdvocates-PG&E-2023WMP-06-008, so please refer to the attachment sent with Answer 002 of this data request response.	Tom Long	4/4/2023	4/7/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_002.zip	0	N/A 20	22 WMP Section 7.3.5.2	Vegetation Management and Inspections	Enhanced Vegetation Management
67	TURN	002	TURN_002	4	TURN_002_Q4	Please provide the 2023-2026 Undergrounding Workplan referenced on page 911 of PG&E's WMP and in footnote 209, which indicates that PG&E has labeled the Workplan confidential.	Please see "WMP-Discovery2023_DR_TURN_002-Q004Atch01_CONF.xtxx* for the requested information.	Tom Long	4/4/2023	4/7/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_002.zip	1	Yes	Appendix D	Areas for Continued Improvement	ACI PG&E-22-16 – Progress and Updates on Undergrounding and Risk Prioritization
68	CPUC - SPD (Safety Policy Division)	002	CPUC - SPD (Safety Policy Division)_002	1	CPUC - SPD (Safety Policy Division)_002_Q	Provide Attachment 2023-03-27_PGE_2023_WMP_R0_Appendix D ACI PG&E-22- 16_Atch01_CONF (PG&E's 2023-2026 Undergrounding Workplan).	The CONFIDENTIAL attachment is being provided pursuant to the confidentiality declaration 'DRU11407.003 Confidentiality Declaration.pdf'. As requested, please see attachment '2023-30-27 PGE_2023_WMP_R0_Appendix D.ACI PGGE-22-16.Actinf_10.CONF.ioXr statched.	Kevin Miller	4/4/2023	4/5/2023	4/4/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_002.zip	1	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-16 – Progress and Updates on Undergrounding and Risk Prioritization
69	OEIS	001	OEIS_001	1	OEIS_001_Q1	Regarding PG&E's tree Assessment Tool (TAT) Considering PG&E has discontinued its Enhanced Vegetation Management (EVM) program: a. How is PG&E using and planning to use its TAT?	a) The TAT was developed for the EVM program. The TAT will no longer be utilized as the EVM program concluded at the end of 2022. There are no current plans to utilize TAT to support other VM programs.	Colin Lang	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS_001.zip	0	N/A	8.2.2	Vegetation Management and Inspections	Vegetation Management Inspections
70	OEIS	001	OEIS_001	2	OEIS_001_Q2	i.e. it esset is not listing to all unity to at a recombined its isset. Regarding PSGE's Targeted Tires Species (TTS) Study and its Tree Assessment Tool (TAT) On page 784 of its 2022 WMIP Update, PSGE states The results of our Targeted Tires Species study in continuition with immoving the Tires Assessment Tool (TAT) will allow PSGE to more	Its see. Bease see the resonant in set (all the see that a see tha	Colin Lang	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/05IS 001.zip	0	N/A	8.2.3.6	Vegetation Management and Inspections	High-Risk Species
71	OEIS	001	OEIS_001	3	OEIS_001_Q3	 a. Describe the current state or development for the plot area, P-Gat s Areas of Concern (AUC), and "polygrow where focused vegetation inspection can be evaluated to determine appropriate counties to prioritize pilots(s)" (page 529) and the expected timeline for 	a) Four regional AOCs totaling 300 miles have been identified for the FTI Plot, one in each of the following counties: Butte, Calaveras, El Dorado, and Napa. Pilot operationalization will begin in Q2 2023. b) AOCs were identified through a cross-functional effort utilizing county-based regional reviews	Colin Lang	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	3	N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
71	OEIS	001	OEIS_001	3 SUPP	OEIS_001_Q3 SUPP	operationalization Regarding PGSEs Focused Tree irespections pilot a. Describe the current state of development for the pilot area, PGSE's Areas of Concern (AOC), and "polygons where focused vegetation inspection can be evaluated to determine appropriate counties to printire pilots(s)" (longs 529) and the expected timelies).	CPZs match where WDRM v2 was used in 2022 and EVM Tree Weighted Risk Scores and	Colin Lang	4/5/2023	4/19/2023	4/19/2023	plan/reference-docs/2023/OEIS 001.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
71	OEIS	001	OEIS_001	3 SUPP_2	OEIS_001_Q3 SUPP_2	nonamismalisation. Regarding PG&E's Focused Tree Inspections plot a. Describe the current state of development for the pilot area, PG&E's Areas of Concern (AOC), 2 and "polygons where focused vegetation inspection can be evaluated to determine appropriate countries to notific trainities rigidated." Iman XPQI and the expected timelies.	Pollinding and enhanced or Accusary conserverse rate. In 2-2-2-2 of ten have even tree virigines 24th Course or 2-2-2-2 of ten have been made and the conserver of ten have been provided. Posses see "WMP-Discovery/2022 DR CEIS 01-000030app02Ashoft 12p" and "WMP-Discovery/2022 DR CEIS 01-00005app02Ashoft 12p" and "WMP-Discovery/2022 DR CEIS 01-00005app02Ashoft 2short. Specifically for Overall Unity Risk, princip Risk, and PSPS-Risk, these are typically presented in	Colin Lang	4/5/2023	4/27/2023	4/27/2023	plan/reference-docs/2023/OEIS 001.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/willdfires/willdfires/middisaster/original- plan/reference-docs/2023/OEIS-000.sip	2	N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
72	OEIS	001	OEIS_001	4	OEIS_001_Q4	Concentration of the Regarding Police is received inventory On page, 528, PG&E states that is will "remove, or re- inspect trees identified in the EVM program." a. How does PG&E decide whether a tree should be 1) simply abated based on the existing risk assessment or 2) inclinanceful expressions.	serms on circuit semements or circuit processions zones. The All III constroses no not assessed astro-uses. 1) Trees in the inventory with a TAT result of 'Abate' will abated based on the existing risk assessment. 2) All trees in the inventory with either no TAT result or a TAT result other than 'ABATE' are to be	Colin Lang	4/5/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/OEIS 001.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
73	OEIS	001	OEIS_001	5	OEIS_001_Q5	Monta standards, successors, successors, and sold and an amentation measurement resonance freedoment freedoment of the properties of the first first of the properties of the first f	In-assessed has Tice. Bits Assessment Dualfication (TBAD) beneate to intermine if 1 les. We will sphold commitment to manage wood generated by Enhanced Vegetation Management (EMM) tee work for customers who requested this service. 10 ECME feets and the management of the service of the se	Colin Lang	4/5/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/OEIS 001.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-militation-	1	N/A	8.2.3.2	Vegetation Management and Inspections	Wood and Slash Management
74	OEIS	001	OEIS_001	6	OEIS_001_Q6	GO 95.	In BCRE riflers wood management for our wildfilm response and EUAI recovers. Exr al. a. The minimum charance at time of work on Enhanced Vergetation Management in 12 feet as recommended in Appendix E of GO 95. Routine maintenance of previously cleared EVM spans is also 12 feet. Routine maintenance and of other spans is prescribed 2-3 years of clearance which allows the linearity of the properties of the	Colin Lang	4/5/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/OEIS 001.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.3.3	Vegetation Management and Inspections	Clearance
				_	1	Ih. If (a) does not describe how PG&E implements the recommended "enhanced" clearances.	Inspector to account for tree-species, location, and other conditions that affect crowth					plan/reference-docs/2023/OEIS 001.zip				-	

						Regarding Appendix B Items That Are Currently Optional Or "By Request" Only Provide the	The requested information is provided in the following four documents:					https://www.pge.com/pge_global/common/pdfs/					
75	OEIS	001	OEIS_001	7	OEIS_001_Q7	Regarding Appendix B Items That Are Currently Optional Or "By Request" Only Provide the following, which are confirmed in the 2023-2025 Wilder Mitigation Para Technical Guidelines, Appendix B. B. St. St. St. St. St. St. St. St. St. St	- "WMP-Discovery2023_DR_OEIS_001-Q007Atch01.pdf" - "WMP-Discovery2023_DR_OEIS_001-Q007Atch02CONF.pdf" - "WMP-Discovery2023_DR_OEIS_001-Q007Atch03CONF.pdf" - "WMP-Discovery2023_DR_OEIS_001-Q007Atch03CONF.pdf"	Colin Lang	4/5/2023	4/10/2023	4/10/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 001.zip	4	N/A	Appendix B	Supporting Documentation for Risk Methodology and Assessment Definitions	Detailed Model Documentation
76	OEIS	001	OEIS_001	8	OEIS_001_Q8	Regarding Comprehensive System Diagram for All Risk Models Used Provide comprehensive system diagrams in MSV bios or PT for all risk models. 1. A comprehensive diagram for prenational models and 2. A comprehensive diagram for prinning models. Sention 6.1.2 Summanur 6 Risk Models. assis for a summanur of risk models in table form with Regarding Portion Level Risk Arabiss and Risk Spend Efficiency	The requested information is provided in the following four documents: "WMM-Daconey(022), Dis Cells, 0301-04007 hand/si part "WMM-Daconey(022), Dis Cells, 0301-04007 hand/si part "WMM-Daconey(022), Dis Cells, 0301-04007 hand/si part "WMM-Daconey(022), Dis Cells, 0301-04007 hand/si Daconey(022), Dis Cells, 0301-04007 hand, 0	Colin Lang	4/5/2023	4/24/2023	4/24/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/0EIS_001.zip	1	N/A	6.1.2	Risk Methodology and Assessment	Summary of Risk Models
77	OEIS	001	OEIS_001	9	OEIS_001_Q9	interdependencies between the risks are explicitly captured in the portfolio. Response should be provided in Excel. Also include the level of organization for the portfolio (e.g., asset,	a) Based on the Wildfire Distribution Risk Model, which is based on crout segments, croutle segments are opegapated to the enterprise widtler nisk model to calculate mitigation program benefits at the portfolio level. The tranches, in this case, are broken down by quintiles of likelihood or risk event (CRS) and consequence of risk event (CRS). Please see "William Pillipscames/DIZ3 INS. DISS. DIS. DISS.	Colin Lang	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/DEIS_001.zip	2	N/A	7.1.4.1	Wildfire Mitigation Strategy Development	Identifying and Evaluating Mitigation
78	OEIS	001	OEIS_001	10	OEIS_001_Q10	_neocraphical_oc_business.until. Regarding Cost-Benefit within and Overall Decision-Making Framework a. If projects are justified based on a multi-attribute value functions/cost basis, what threshold or hardle is used? b. How is the chance that a project exceeds the threshold computed?	Discouse/2022, DR. CHES, 001.0009Abch01 vism*, which is PG&F= 2023-2025 widthe boxele. a) We do not have a specific threshold to justify projects. b) While we don't calculate a specific threshold for executing mitigations, PG&E prioritizes higher MAVFicost locations for executing projects. We also develop risk buydown curves and implement projects at the higher end of the curve. The higher end of the curve represents the higher	Colin Lang	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	7.1.4.2	Wildlire Mitigation Strategy Development	Mitigation Initiative Prioritization
79	OEIS	001	OEIS_001	11	OEIS_001_Q11	c. If projects are hadfled based on a milk-altitude value functionations basis what threehold or Regarding PG&E's Response to ACI PG&E 22-10 PG&E describes an external study funded by California Energy Commission (CEC) grant EPC 18-026 to classify and identify areas with similar climate locations that already have weather stations, and areas with climate conditions that are not well measured by current stations.	MANUF/Const values. The weather optimization report was developed by a third party, Pyregence. Pyregence provided us with a draft copy of the report and instructed us not to distribute the document. Therefore, we would greatly appreciate Energy Safety's understanding in honoring this instruction. To this end, we recommend that Energy Safety contact the Pyregence team directly through the contact	Colin Lang	4/5/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/DEIS 001.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-2210 Justification of Weather Station Network Density
80	OEIS	001	OEIS_001	12	OEIS_001_Q12	a Drouide the external party study which DGSE described and used to assess the statewide		Colin Lang	4/5/2023	4/12/2023	4/12/2023	plan/reference-docs/2023/0EIS 001.rip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-09 Evaluation of Model Reprioritization and Fire Rebuild in High-Risk Areas
81	OEIS	001	OEIS_001	13	OEIS_001_Q13	M. Vandesco of circuit assumed Regarding PGSES Response to ACI PGSE-22-20 PGSE states that "Adding drones to the detailed GO 165 inspection skwed the inspection to roughly did not Spoke per day, which is allower than both the stand-alone ground inspection as well as the image capture rate for both drone-only and helicopter-only" (page 920).	Flease see attachment WWP-Docovery/2023 DR, CEE 507 -0.072 Aktor 1.8xx. tab °1.2 a Dropped CGP2.5. a Dropped CGP2.5. a The potabality of spinion change was driven primarily by greater granularity in failure modes associated with season in the probability calculation. Please see attachment WMP- associated with season in the probability calculation. Please see the continuent of the probability calculation. Please see the behavior of the probability calculation. Please see below for the requested information. Demonstrated in the probability of the probability o	Colin Lang	4/5/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/0EIS 001.rip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-2220 Asset Inspection Drone Program Plot
82	OEIS	001	OEIS 001	14	OEIS 001 Q14	a. Provide the daily inspection rates for standardors proud travertions drawn characteristic Regarding PGEAT Asset Management Upgrades. On page 413, PGEA states that "PGEAT has significantly advanced our data management practices and the rapid of our state intensity (Pucsel Regardy) substances over the but have years practices and the rapid of our state intensity (Pucsel Regardy) substances over the but he years practice and the regard of our state intensity (Pucsel Regardy) substances over the but he years an International Policy of the PGEAT STATE of the PGEAT STATE STATE OF THE PGEAT STATE	benoeffor unte in Beld informatemislationcentral. 30 Our asset inventrie quibblese (Asset Replay) does include attribute fields for location (tallorg) and/or identification of support structure DI for attainded equipment, immufacturer, model D) and and/or identification of support structure DI for attribute fields in elemente (CIDE) and data appropriation, and restation date, These are considered fortical delenteries (CIDE) and data and the consideration of the cons	Colin Lang	4/5/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/OEIS_001.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-		N/A	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A
83	OEIS	001	OEIS 001	15	OEIS 001 Q15			Colin Lang	4/5/2023	4/10/2023	4/10/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 001.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-		N/A	8.1.8.1.1	Grid Operations and	Protective Equipment and Device
			CalPA Set WMP-			We will also evaluate high impedance fault detection algorithms for circuit breakers in 2023 and bettond." The on page 324, PGSE states that the DCDL INITED inhibitor build likely bed tollar for PGSE's Test Year 2023 GRC rebuttal testimony (Ex. PGSE-17 on July 11, 2022) states the following:	deciric distribution line mile coverage. Addressable is Reflects the devices and circular that are capable of accepting the DCD algorithm. By the end of 2025, DCD is planned to be installed on acceptance of accepting the DCD algorithm. By the end of 2025, DCD is planned to be installed on acceptance of a company of the property of the scope of this proceeding. This question relates to PG&Es 2023 General Rate Losse (GRC) proceeding and has no					disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 001.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	0			Procedures Grid Operations and	Settings
84	CalPA	Set WMP-11	11	1		11 Q 123 Obes PG&E have experience with REFCL? A 123 Yes, PG&E initiated a REFCL pilot project in 2018 at the Calistoga substation. After initial positive tests, the Calistoga REFCL pilot demonstration was stalled due to the failure of the Referring to PG&E's Electric Preliminary Statement Part FY (Tariff Sheet No. 52259-E), the	enunciated connection to PG&E's WMP proceeding. Furthermore, Call Advocates concurrently served an identical data request on PG&E in the GRC proceeding and PG&E will provide a response to this request in that proceeding as it is the more accordate weeks. PG&E objects to this request sat beyond the scope of this proceeding. This question relates to	Pui-Wa Li	4/5/2023	4/10/2023	4/10/2023	disaster/wildfires/wildfire-miltigation- plan/reference-docs/2023/CalAdvocates 011.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.8.1.3.1	Procedures	Rapid Earth Fault Current Limiter
85	CalPA	Set WMP-11	CalPA_Set WMP- 11	2		Electric Program Investment Charge Balancing Account (EPICBA) has three subaccounts: 2 The EPIC Program Administered by PG&E Subaccount tracis the actual program expenses to the authorized EPIC program budgets pursuant to 0.12-05-037, D.20-08-042, and D.21-11-028 through December 31, 2030 or as authorized by the Commission	PG&E ± 2023 General Rate Case (GRC) proceeding and has no eminated connection to PG&E ± WMP proceeding. Furthermore, Call Advoastes concurrently served in indentical data request on PG&E in the GRC proceeding and PG&E will provide a response to this request in that recognishing as it, like more approximative serves. PG&E objects to the portions of this request relative to PG&E objects to the portions of this request relating to Major Work Category (MWC) 49R as beyond the scope of this proceeding. Although and without waiving this objection, PG&E	Pul-Wa Li	4/5/2023	4/10/2023	4/10/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 011.zip https://www.pse.com/ose-global/common/odfs/	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
86	CalPA	Set WMP-11	CalPA_Set WMP- 11	3	CalPA_Set WMP-11_0	13 Earth Fault Current Limiter) as of February 25, 2022: Evaluation of additional substations for	responds as follows:	Pul-Wa Li	4/5/2023	4/10/2023	4/10/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 011.zip	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
87	CalPA	Set WMP-11	CalPA_Set WMP- 11	4	CalPA_Set WMP-11_0	substitution of autocolor reverse, in auditation is de teger not a period con in designation autocolor reverse, in autocolor reverse, in a consistent of period con in activity of the consistent of the consistency of the co	Energy that to be included in the industrial and design in the control of the con	Pul-Wa Li	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_011.zip	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
88	CalPA	Set WMP-11	CalPA_Set WMP- 11	5	CalPA_Set WMP-11_0	Referring to Enthal PORE. Tr. p. 4.3-5, Table 4.3-5, Inn 6, severed on July 11, 2022. Line 6 of the above table indicates that PORE forecasts the capital expenditures to be \$11.000. Line 6 of the above table indicates that PCRE forecasts the capital expenditures to be \$11.000. Line 6 of the above table indicates that PCRE forecasts the capital expenditures to be \$11.000. Line 10, 200. The control of the 200. Line 6 of the 200.	Please see the table below for the requested information. Year 2023 2024 2026	Pui-Wa Li	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 011.zip	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
89	CalPA	Set WMP-11	CalPA_Set WMP-	6	CalPA_Set WMP-11_0	In December 2021, PG&E presented at the EPIC Sympoxium. See Abth. O.B. EPIC Presentation, pd. The presentation sides state that. Required Earth Fault Current Limiter (REFCL) becomingly is an extension of resonant grounding at a distribution substation to neutralize ground fault current and prelylent a spark. REFCL has been successfulz-declinated in Australia In creduce sides of film from cround faults. but their substation. PG&E presents during the 2021 EPIC Symposium (RAFL OC EPIC Presentation pdf) that	PG&E objects to this request as beyond the scope of this proceeding. Notwithstanding and without waiving this objection, PG&E responds as follows: a) Yes, this statement remains an accurate high-level description. b) Not applicable, as described in response to subpart (a).	Pul-Wa Li	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 011.zip	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
90	CalPA	Set WMP-11	CalPA_Set WMP- 11	7	CalPA_Set WMP-11_0	27 circuits).* However, PG&F's 2023 WMP at page 275 states that?	This distinction is based on the fact that REFCL is not a plug-and-play technology and requires supporting construction and equipment changes in the substation and on the distribution circuits to function. This is different from DCD and Partial Voltage Detection, which are software-based features on existing hardware and require significantly less cost to implement.	Pul-Wa Li	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 011.zip	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
91	CalPA	Set WMP-11	CalPA_Set WMP- 11	8	CalPA_Set WMP-11_0	While PGAE is locking an concentration for ERFC1 deviaments in our distribution substations to PGAE's 2020 Why, a page 275. States that: "While PGAE is tooking at opportunities for REFC1 deplayments in our distribution substations to Bernigate widther is and evaluating continuations of REFC1 with PSPS and other mitigations, implementing it would require significant and coolsty charges to the grid." a) Please state has notated state when PGAE reached the concession flast "implemention (REFC).1	a) Implementing REFCL requires significant and costly changes to the grid relative to DCD and Partial Voltage detection. PGSE first understood the deployment cost of REFCL in early 2021. b) PGSE needed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substation.	Pul-Wa Li	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/willdfires/willdfire-mitigation- plan/reference-docs/2023/CalAdvocates_011.zip	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
92	CalPA	Set WMP-11	CalPA_Set WMP- 11	9	CalPA_Set WMP-11_0	At which substations, other than the Calistoga substation, has PG&E tested REFCL?	We have not tested REFCL at any substations other than the Calistoga substation.	Pui-Wa Li	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 011.zip	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
93	CalPA	Set WMP-11	CalPA_Set WMP-	10	CalPA_Set WMP- 11_Q10	Has PG&E done any benchmarking study on REFCL with Southern California Edison (SCE)?	Yes, PG&E REFCL project engineers regularly engage with Southern California Edison to benchmark our findings and share results and learnings. Of note, SCE has fewer circuit miles of existing underground cable at their REFCL demonstration site.	Pul-Wa Li	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 011.zip	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
94	CalPA	Set WMP-11	CalPA_Set WMP-	11	CalPA_Set WMP- 11_Q11	Has PG&E collaborated or exchanged with SCE on REFCL? If so, please detail the relevant activities.	Yes, PG&E regularly collaborates with SCE on REFCL and sharing data and information. This includes a monthly utility group call/meeting and sharing technical reports.	Pul-Wa Li	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 011.zip	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
95	CalPA	Set WMP-11	CalPA_Set WMP-	12	CaIPA_Set WMP- 11_Q12	PG&E's 2023 WMP, at page 275, states that 5 Instead of making costly changes to the grid, we are moving forward with more cost-effective solutions such as DCD [Downed Conductor] Detection] and Parial Voltage Detection, Regarding Downed Conductor Detection (DCD), as well as the property of the PG&E to implement this technology? a) What "changes to the grid" are required for PG&E to implement this technology? b) its DCD stated on Josuic sectors, auter southerns or Change and PGAE to implement this technology?	a) Depending on the existing recloser controller, DCD may not require a physical "change to the got" or it may require the retrolling of an existing fine recloser controller. Some property of the propert	Pul-Wa Li	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 011.zip	0	N/A	7.2.1	Wildlire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
96	CalPA	Set WMP-11	CalPA_Set WMP-	13	CalPA_Set WMP- 11_Q13	his LDCD usinks on 3 wins nucleans. Autien scelams, ruchpill. PGGES 2020 WhyP, at page 275, states than 3"misted of making costly changes to the grid, we are moving forward with more cost-efficient south as DCD and Partial Voltage Destaction. Pages range Partial Voltage Destaction. Pages register partial voltage Destaction. Pages register partial voltage Destaction. Pages register that the page 2010 pages of the page 2010 pages 2010 pa	above relets to now this makes P vo a cost-ellective solution.	Pui-Wa Li	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	7.2.1	Wildlire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
97	CalPA	Set WMP-11	CalPA_Set WMP-	14	CalPA_Set WMP- 11_Q14	Please describe the significant changes to the grid required to implement REFCL technology, b) State PG&E's cost estimates for such changes, c) Describe the equipment installations required for such changes, and	b) PVID is valide on both 3-wire and 4-wire systems. (N. s.a. there is no cost to 'deploy PVI', such should () about. 3) The significant changes to the grid required to implement REFCL are identified below. *Registing voltage regulations in closed on Frequency to implement REFCL are identified below. *restalling new, matched sets of feeder breaker current transformers (CTs): *Replacing voltage feeds in transformers (GTs):	Pui-Wa Li	4/5/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/CalAdvocates 011.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
98	CalPA	Set WMP-11	CalPA_Set WMP-	15	CalPA_Set WMP- 11_Q15	di Describe the likely operational impacts resultion from the implementation of REFCI's on Please state the dates when PG&E finished evaluating the following: a) The significant changes to the grid required to implement REFCL technology,	Replacing substation service transformers with line-line connections: a) = d) We firsthed the evaluation of each item identified above in early 2021.	Pul-Wa Li	4/5/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/CalAdvocates 011.zip https://www.oge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
99	CalPA	Set WMP-11	CalPA_Set WMP-	16	CalPA_Set WMP- 11_Q16	c.) The ensimment installations required due to such channes, and Please provide all available documentation, studies, and analyses evidencing PG&E's conclusions on each of the following aspects of REFLC deployment: a) The significant changes to the grid required to implement REFCL technology,	Please see: Rilery, Roger and Jon Bernardo. "JAB648-0-0 REFCL Functional Performance Report." October 14, 2020. This document can be accessed at the following link: https://www.esv-vic.gov.austees/default/files/2022-1/REFCL-functional-Performance-Review.pdf. Please see page 29 of this document for the requested information.	Pui-Wa Li	4/5/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/CalAdvocates 011.zip https://www.ope.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
100	TURN	003	TURN_003	1	TURN_003_Q1	The Month of the Control of the	billions infer to DOSEC Text Visco 9073 (DP Andreston 9.1 ALPN Exhibit DOSEC At and Please see the attachment "WMP-Discovery2023 DR, TURN, 003-0001Abh01 xlss" for the requested information. Please note that POSE does not capture coveredinon covered conductor status in our current outage reporting, so SAIDIMAHF data for covered conductor equipment cannot be provided at this time.	Tom Long	4/5/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/CalAdvocates 011.zip https://www.pge.com/pge_slobsl/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation-	1	N/A	N/A	N/A	N/A
101	TURN	003	TURN_003	2	TURN_003_Q2	to the one of technical year violenge assumes in equate years and was part as year as a conformation definition facilities. Please provide all reports or studies in PG&E's possession prepared from January 1, 2018 to the present that discuss the reliability of underground distribution facilities, overhead distribution facilities with covered conductor, or overhead distribution facilities without covered conductor, or overhead distribution facilities without covered conductor, including but not limited to a discussion of SADI and MAPI class.	carnot be provided at this time. PGSE publishes annual reliability report which provides a detailed report on the system-wide reliability performance. Please see the following attachments for the requested information: **WIMP-Discovery2022_DR_TUMP0_00000000000000000000000000000000000	Tom Long	4/5/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/TURN 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	5	N/A	N/A	N/A	N/A
102	TURN	003	TURN_003	3	TURN_003_Q3	Regarding Table 7-3-2, p. 296, the bottom row re PSPS: a, Please confirm that the targets for reduced customer impacts in 2023, 2024 and 2025 are cumulative, i.e, that the 33,000 figure for 2024 includes the 15,000 reduced impacts for 2023, and so coal.	- WMM-Discovery 2022 - M. TUNN: 003-0024-0102-02. - WMM-Discovered/D27- TIR. TIBIR (103-000024-0102-02. - WMM-Discovered/D27- TIR. TIBIR (103-000024-0102-010-00002-010-0000000000000	Tom Long	4/5/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/TURN 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation-	1	N/A	9.1.5	Public Safety Power Shutoff	Performance Metrics Identified by the Electrical Corporation
103	CalPA	Set WMP-12	CalPA_Set WMP- 12	1	CalPA_Set WMP-12_0	50 on. b. Disase recorde the surportion data for the estimates of induced PSSR impacts in 2023. Regarding Table 9-2 (Lists of Frequenty) De-emergized Circuits) in Appendix F of PG&Es WIMP, the column "Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of 11 Future PSPS of Circuit" is blank for the following distribution circuit Entry Numbers. 7, 8, 11, 15, 15, 16, 20, 30, 30, 33, 33, 39, 47, 55, 66, 33, 70, 17, 97, 105, 111, 112, 120, 122, 125, 15	data for the estimates of reduced PSPS impacts in 2023-2025 for the fine-wear period 2018, a 19 We discoved an error in our 2023 WMP submission in the "Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit" of the Frequently Deservoirus list. We will reach out to Enervo Safety to provide this corrected information	Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	plan/reference-docs/2023/TURN 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De- Energized Circuits
103	CalPA	Set WMP-12	CalPA_Set WMP-	1 SUPP	CalPA_Set WMP-12_C	Regarding Table 9-2 (Lists of Frequently De-energized Circuits) in Appendix F of PG&E's WMP,	provide an explanation of any remaining blanks. We have updated our List of Frequently De-energized Circuits based on the errors found in our	Holly Wehrman	4/6/2023	4/18/2023	4/18/2023	plan/reference-docs/2023/CalAdvocates 012.zip https://www.nge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation-	1	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De- Energized Circuits
		1	_			17, 18, 28, 29, 30, 36, 37, 38, 39, 47, 55, 62, 63, 70, 71, 97, 105, 111, 112, 120, 122, 125, 126, 148, 161, 163, 163, 178, 179, 183	Q001Supp01Atch01.xisx* for the updated List of Frequently De-energized Circuits. a) After undation our table, eight distribution circuits have no PSPS Mitration Measures taken or					plan/reference-docs/2023/CalAdvocates 012.zip					·

104	CalPA	Set WMP-12	CalPA_Set WMP- 12	2	CalPA_Set WMP-12_C	Regarding Table 9-2 (Lists of Frequently De-energized Circuits) in Appendix F of PG&E's WIMP, the column "Measures" Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit is balker for the following transmission circuit Errly Numbers: 200, 227 a) For each of the above Entry Numbers, please explain why "Measures Taken, or Planned to Be	a) We discovered an error in our 2023 WMP submission in the "Measures Taken, or Planned to Be Taken, to Reduce the Need for and limpact of Future PSPS of Circuit" of the Frequently De- energized Circuits Ist. We will reach out to Energy Safety to provide this corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidelines. We will	Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2024/cal4duryates_012.zin	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De- Energized Circuits
104	CalPA	Set WMP-12	CalPA_Set WMP- 12	2 SUPP	CalPA_Set WMP-12_Q SUPP	Regarding Table 9-2 (Lists of Frequently De-emergized Circuits) in Appendix F of PGAEs Wiley. the colors "Measures Tains, or Parimete to Be Tainer, in Reflects the Need for an impact of the Color of the Color of For each of the Door English wiley the Color of th	Introduce an extraoration of any remaind names. We have updated our List of Frequently De-energized Circuits based on the errors found in our review. The Entry Numbers listed above may not reflect the latest circuits that are mitigated by PSPS protocols. Please see attainment "MMPDiscover)2023_DR_CalAthocotabs_012-Q001Supp01Atch01.xixx" for the updated List of Frequently De-energized Circuits.	Holly Wehrman	4/6/2023	4/18/2023	4/18/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_012.zip	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De- Energized Circuits
105	CalPA	Set WMP-12	CalPA_Set WMP- 12	3	CalPA_Set WMP-12_C	12 447 440 404 407 400 400 400 404 444 450 457 450 466 460 470 470 477 464 464	Con Continuo C 2 d anno 1784 an detaile for additional details	Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 012.zip	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De- Energized Circuits
106	CalPA	Set WMP-12	CalPA_Set WMP-	4	CalPA_Set WMP-12_C	10 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	energized Circuits list. We will reach out to Energy Safety to provide this corrected information and discuss updating our WMP submission pursuant to Energy Safety's quidelines. We will	Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	pian/reterence-docs/2023/candvocates 012-tip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/Caladvocates 012-zip	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De- Energized Circuits
106	CalPA	Set WMP-12	CalPA_Set WMP- 12	4 SUPP	CalPA_Set WMP-12_Q SUPP	132 132 136 148 147 148 147 148 140 1184 188 189 184 185 188 170 171 171 171 180 Regarding Table 92 (Little of Frequenty De-emerging Circusts) in Appendix of PGESE 194 46 185 185 185 185 185 185 185 185 185 185	review. The entries listed above may not reflect the latest circuits that are mitigated by PSPS protocols. Please see attachment "WMPDiscovery2023 DR. CalAdvocates, 012-	Holly Wehrman	4/6/2023	4/18/2023	4/18/2023	https://www.pec.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/willdfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 012.zip	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De- Energized Circuits
107	CalPA	Set WMP-12	CalPA_Set WMP- 12	5	CalPA_Set WMP-12_C	99,793.1718.1 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	a) We discovered an error in our 2023 WMP submission in the "Measures Talien, or Planned to Be Talen, to Reduce the Need for and Impact of Fauther PSPs of Circuit" of the Frequently De- energized Circuit is Lift We will reach out to Energy Safety to provide this corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidelines. We will require an expenditude of more remained harder.	Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 012.zip	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De- Energized Circuits
107	CalPA	Set WMP-12	CalPA_Set WMP- 12	5 SUPP	CaIPA_Set WMP-12_Q SUPP	235, 209, a) Please describe the PSPS protocols referenced in these Enth Yearthers, 15) Please Regarding false 1, 9, 114, and 7, 114, and	We have updated our List of Frequently De-energized Circuits based on the errors found in our review. The entries listed above may not reflect the latest circuits that are mitigated by PSPS protocols. Please see attachment "WMPDIscovery2023. DR. Call-Whichcaite, 012- (2001Supp01Atch01 stack" for the updated List of Frequently De-energized Circuits. J Pleaser petic To Section 9.2 Portionation on PSPS foreign on on 723 for Transmission.	Holly Wehrman	4/6/2023	4/18/2023	4/18/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_012.zip	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De- Energized Circuits
108	CalPA	Set WMP-12	CalPA_Set WMP- 12	6	CalPA_Set WMP-12_C	PGGE: WMIP p. 751, Section 9.1.2, states that "This table [Table 9.2] also includes the mitigation measures taken, or planned to be taken, to reduce the likelihood of PSPS on those circuits." 8 Regarding Table 9.2 (Lists of Frequenty) De-energized Circuits) in Appendix F of PGGE's WMP: The only planned action listed in Table 9.2 is regarding "MSO device installations or replacement injunctif Subtin, is lated for 8.0 256 (circuits.) a Blease enablian who open of the other bones of	a) We discovered an error in our 2023 WMP submission in the "Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit" of the Frequently De- energized Circuits list. We will reach out to Energy Safety to provide this corrected information and discuss updating our WMP submission pursuant to Energy Safety's guidelines. Additionable implicit of the militation benes listed on. 75th servicinity inspectifs and we have	Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_012.zip	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De- Energized Circuits
109	CalPA	Set WMP-12	CalPA_Set WMP- 12	7	CalPA_Set WMP-12_0	Regarding ACI PGASE-223 (Quantify Mitigation Benefits of Reducing PSPS Scale, Scope, and Frequency) or WMP. 9 72-797: 3 Please explain with jits table shows customer impacts (in 17 terms of Incremental PSPS mitigation) for only shor mitigation methods (i.e., undergounding and MSO), while other methods (e.g., overhead hardering, sectionalizing, ed.) are not listed in first table. In Mass PGASE analyzed customer PSPSS immachs for other mitigation methods (z.) if the Regarding Section 3.2 (Outline of Tactical and Strategic Decision-Making Protocol for instants of the protocol of the PSPS of the P	a) Table PGAE-C2-35-1 shows customers mitigated and not customers impacted. In the analysis, we applied the 2023 guidance in the waster to loaksck period of 2018-2022. Other mitigation methods such as sectionalizing devices, grid haldering, and PSPS proficed are already factored for the tolchack. This allows us to catalize the number of customers we are also the mitigate with all the profit of the contract o	Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_012.zip	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-35 — Quantify Mitigation Benefits of Reducing PSPS Scale, Scope, and Frequency
110	CalPA	Set WMP-12	CalPA_Set WMP- 12	8		Regarding Section 9.2.3 (Outline of Tactical and Strategic Decision-Making Protocol for initiating a PSPS/PSPS (Dush sa Decision Trele), subsection, "Decision to De-Energy," the WIMP p. 18 769 states in part that "The OIC will determine whether alternatives to de-energization are inadequate" a) Please describe the alternatives to de-energization that are considered by Please, state, the hasts, of PGAE's decision reasonation which alternatives to consider. Di Please, Regarding WIMP p. 783, Section 19.4 (Protocols for Millaghing the PALES Settly Impacts of The PSPS of the PSPS of	a) We consider if alternatives, such as additional vegetation management and disabling automatic recisers, could adequately reduce the risk of calastrophic whilethe thus towering the need for de- emergization. When these measures alone cannot reduce the risk of calastrophic wildfire in areas within the PSPS copps sufficiently to protoct public safety, we will move forward with PSPS. b). See, resconse. In a). 1) PGSE provides accessible transportation through partnerships with the California Foundation.	Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_012.zip	0	N/A	9.2.3	Public Safety Power Shutoff	Outline of Tactical and Strategic Decision-Making Protocol for Initiating a PSPS/PSPS (Such as Decision Tree)
111	CalPA	Set WMP-12	CalPA_Set WMP- 12	9	CalPA_Set WMP-12_C	PSPS Including Impacts on First Responders. Health Care Facilities. Operators of	a) PG&E provides accessible transportation through partnerships with the California Foundation for Independent Living Center (CFLC), which facilitates the Disability Disaster Access and Resources (DDAR) Program, PG&Es partnership with the California 211 Network, and PG&Es standation agreement with four transportation organizations that provide accessible transportation in, 12 counties. European Living PSPS is not part of the PSPS Cention making process.	Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_012.zip	1	N/A	9.2.4	Public Safety Power Shutoff	Protocols for Mitigating the Public Safety Impacts of PSPS, Including Impacts on First Responders, Health Care Facilities, Operators of Telecommunications Infractive time.
112	CalPA	Set WMP-12	CalPA_Set WMP- 12	10	CalPA_Set WMP- 12_Q10	 a) Please describe the decision-making process for a situation in which PG&E anticipates PSPS conditions but decides to utilize EPSS settings instead. 	EPSS operates independent of PSPS based on different criteria and thresholds – see Section 8.18.1 of PG&E's WMP.	Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 012.zip	0	N/A	N/A	Public Safety Power Shutoff & Grid Operations and Procedures	N/A
113	CalPA	Set WMP-12	CalPA_Set WMP- 12	11	CalPA_Set WMP- 12_Q11	5) Presides list all colors in ALVI 1970 2012 when in-Sea Introplace in-Sex Conditions and interest in Alvi 1970 2012 when in-Sea Introplace in-Sex Conditions and interest for EPSS. a) Does PGASE provide molifications or other communication to customers when EPSS settings are enabled? (This may include, but is not limed to, molifications that a customers when EPSS settings are enabled of This may include, but is not limited to, molifications that customers is served by a circuit that is subject to EPSS settings, notifications in developed in setting only may be able to EPSS settings, notifications of when public to EPSS settings, notifications of when the public and in the public interest interest in the public interest in the public interest interest interest interest in the public interest interes	Under the root set of an Erdő of a statistical de annual root of the statistical and a statistical and	Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural: disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_012.zip	1	N/A	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
114	CalPA	Set WMP-13	CalPA_Set WMP- 13	1	CalPA_Set WMP-13_G	politication of a monotat metavation time when an ERSS outworks in construct or all clear. Figure PRESE? 1/4 on p. 200 of PRESE WIPP primar Down Conductor Detection (DCD) is to \$1 a) Does PRESE prin to primary) implement CCD on 4-wer distribution, 3-wer distribution, or a mix? 1.5 Deep variety and the figure primary or produced to the conductor of the co	ostatement occasions are makes. As a consistent of the consistent before the Consistent of the Consistent before the Consistent before the CONSISTENT OF THE	Holly Wehrman	4/6/2023	4/12/2023	4/12/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_013.zip	0	N/A	8.1.2.10.1	Grid Design and System Hardening	Downed Conductor Detection Devices
115	CalPA	Set WMP-13	CalPA_Set WMP- 13	2	CalPA_Set WMP-13_C	Table 6-27 on p. 566 or 14-56-2 with standardized ging operation monitoring systems, including bistribution Fault Articipation (CPA) and Early Fault Detection (EFD). 2 a) Describe the types of faults, equipment failures, and/or other issues that DFA is capable of detecting. b) Describe the bees of faults, equipment failures, and/or other issues that EED is carable of Table 7-3-1 on p. 281 of PG&E without Faults the following objective with an estimated.	scalesms. a) Distribution Fault Anticipation (DFA) is designed to detect conditions that generate current and voltage anomalies including series acrong issues (elbows, spikes, switches) and shurst arcing series acrong issues, elbows, in the animal security and shurst arcing conductors. b) Each Fault Rescision (EFR) is desirated wheel so conductors. b) Each Fault Rescision (EFR) is desirated select conditions, that operated account selection of all Constraints Management Organization (CMO) was created to act as the responsible group of the conductors.	Holly Wehrman	4/6/2023	4/12/2023	4/12/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_013.zip	0	N/A	8.3.3.1	Situational Awareness and Forecasting	Existing Systems, Technologies, and Procedures
116	CalPA	Set WMP-13	CalPA_Set WMP- 13	3	CalPA_Set WMP-13_C	ration (Fig. 16), 26) for Police's vivine states are toloring supervive was an estimated completion date of 12/31/20/23. 3 Develop a process of centralizing constraints resolution. As part of the build out of the centralized constraints term there major categories will be addressed: customer constraints, environmental constraints fundamental Police reconstraints term, there major categories will be addressed: customer constraints, environmental constraints fundamental Police reconstraints from the reconstraints from the reconstraints of the reconst	all constraints was against to operate the constraint of a data size in expositioning dops of overloping and managing processes for constraints resolution. Following the Initial lessons learned from the Enhanced Vegetation Management (EVM) program, this team will be formalizing processes and procedures concerning how the various types of constraints that occur within the Mecetation Management (AVM) department, which the Management (AVM) register within the VM department, the Constraints of Formalizing or the VM department, the Constraints of the VM department, the Constraints of the VM department of the VM department of the VM department of the VM department.	Holly Wehrman	4/6/2023	4/12/2023	4/12/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_013.zip	0	N/A	8.2.6	Vegetation Management and Inspections	Open Work Order
117	CalPA	Set WMP-13	CalPA_Set WMP- 13	4	CalPA_Set WMP-13_C	Table 7-5-1 (III) 2-62. DE PORE IS WIRE States be to long upquerie was an esamenar occupietion date of 12/31/2025. 4 For each major constraint category build a process for addressing each constraint type, implement the new process, and create metrics to track each constraint type. a) When does PORE exerced to begin involvement to its moness, for centralizing customer. Table 7-4 on p. 30-73.31 of PORES WIMP list the top risk circuit segments (i.e., risitiest).	a) For some regulation interagement, your jourgains warring view depail terms, the Control arise Management Family (MT) will be implementing process improvements to the customer constraints process as early as 02 of 2023. I) The CMT has already begun facilitating regular check-in meetings with our Environmental hearts, to discuss environmental permittion needs, discuss, concontrollers, for moness increasement, a) Based on the recorded effectiveness performance of Fahnance Powerline Safety Settings	Holly Wehrman	4/6/2023	4/12/2023	4/12/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_013.zip	0	N/A	8.2.6	Vegetation Management and Inspections	Open Work Order
118	CalPA	Set WMP-13	CalPA_Set WMP- 13	5	CalPA_Set WMP-13_C	segments when scrited by total wildfile risk). 5 a) Forbrote is in the column entitled "san", 1,022 Overall Risk" states, "Accounts for risk reduction associated with EPSS. These explain how PG&E quantified the risk reduction associated with EPSS for each of the circuit semments in Table 7.4. Table PG&E-6.2.1 on p. 18.6 or PG&E-5 WMP Pists for consequence values derived from the	(EPSS) in 2022, we include this effectiveness across each circuit segment across High Fire Thread District (HFTD) circuit segments. The recorded effectiveness compares EPSS enabled ligitions to those that met EPSS criteria and is normalized by circuit-mile-days. The recorded effectiveness uses Eire Patential Index (EPI) information provided from our Methodorisor team.	Holly Wehrman	4/6/2023	4/28/2023	4/28/2023	https://www.pgc.com/pgc_global/common/pdts/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 013.zip https://www.pgc.com/pgc_global/common/pdfs/	1	N/A	7.2.2.3	Wildfire Mitigation Strategy Development	Projected Risk Reduction on Highest-Risk Circuits Over the 3- Year WMP Cycle
119	CalPA	Set WMP-13	CalPA_Set WMP- 13	6	CalPA_Set WMP-13_C	mean MAVF of historical fires. (6 a) Has PG&E performed a sensitivity study to determine the effect of these values on the output of DC&E's WEC model? A sensitivity analysis could involve (for example) perturbations in bour	a) Yes, a deductive sensitivity analysis was performed to determine the possible effect of these values on the output of PQ&Es WHC model. Please see our response to part b) for an explanation of our deductive analysis. b) For points within High Fire Risk Areas (HEPA) (or non-HEPA), there is only a single variable that determines the consensueous which is the function of drisk that allocation or noist seperior is a life of the point o	Holly Wehrman	4/6/2023	4/12/2023	4/12/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_013.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	6.2.2.2	Risk Methodology and Assessment	Consequence
120	CalPA	Set WMP-13	CalPA_Set WMP- 13	7	CalPA_Set WMP-13_C		Last determines the consensations, which is the fund of does that a location are cost scored. In 19 There were several factors that we considered when deciding between the missing programs Enhanced Powerline Safely Settings (EPSS) and Enhanced Vegetation Management (EVM). Besides missignion effectiveness and implementation and operating cost described by the Risk Sperid Efficiency (PSS), we considered the faster pace of implementing EPSS compared to EVM, which must be in facilities and work of the mission services (EPSS). Secret as discrime in the Bish.	Holly Wehrman	4/6/2023	4/12/2023	4/12/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 013.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	7.2.1	Wildline Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
121	CalPA	Set WMP-13	CalPA_Set WMP- 13	8	CalPA_Set WMP-13_C	EPBS RSE of 105.7* All These than RSE shall other criminal de RSEE scales bits in the decisions is more users from. All These than RSE shall other criminal de RSEE scales bits and the decisions in the state of the scales of the scale of the scales of t	which results in faster risk sent-into. The abilitation enemant EPSS across at Jaircarian the High a) We track Meganisis (IMW), customer mitigable, and the number of usagase per location each loss association to validate the impact and effectiveness of Temporary Distribution Microgrids. 10) We track at minimum the relegancy and duration of the incrudy's usage, along with the number of benefitting customer accounts. In a superior of the property of the property of the property of the property of the property of the property of the Jail Distribution intercepts are designed to power communities' central corridors, or "Main which we have been property of the property of the property of the property of the Jail Distribution intercepts are designed to power communities' central corridors, or "Main which we have the property of the property of the property of the property of the property of the property of the property of the property of the property of	Holly Wehrman	4/6/2023	4/12/2023	4/12/2023	safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 013.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.2.7	Grid Design and System Hardening	Microgrids
122	CalPA	Set WMP-13	CalPA_Set WMP- 13	9	CalPA_Set WMP-13_C	outages) in general? Please explain your response for each program. 9 a) Temporary Distribution Microgrids 5 Community Microgrid Enablement Program c.h. Micronici Incentive. Procoram. Figure 7-1 on p. 288 ahows a sharp decline in risk after 2026.	Streets", to help safely provide electricity to critical facilities and shared community resources and reduce the number of customers impacted by PSPS. In general, customers being served by a temporary distribution microgrid will experience two brief outages: one as the microgrid is connected and one when the microgrid is disconnected after the PSPS outage. a) The context for this sharper decline in risk after 2026 represents the expected, continued ramp-	Holly Wehrman	4/6/2023	4/12/2023	4/12/2023	safety/emergency-preparedness/natural- disaster/willdfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 013.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.2.7	Grid Design and System Hardening	Microgrids
123	CalPA	Set WMP-13	CalPA_Set WMP- 13	10	CalPA_Set WMP- 13_Q10	ingitier in on p. zees shows a sharip occure in nisk after 2020. 3) Please provide contents as to what drives the decline. b) Why does PG&E anticipate a significantly more rapid rate of decline in residual risk after 2026 than in the 2023-2026 period? P. 347 of PG&E's WMP4 states (regarding PG&E's undergrounding program), "Among other	up of undergrounding miles to be installed each year. b) The more rapid rate of decline in residual risk after 2026 is due to the increase of the number of underground miles expected to be installed each year that are focused on the highest risk (top 20%) risk is exceeded, in which the benefits of undergrounding are cumulative over time. See	Holly Wehrman	4/6/2023	4/12/2023	4/12/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 013.zip https://www.pse.com/pse_elobal/common/pdfs/	0	N/A	7.2.2.1	Wildfire Mitigation Strategy Development	Projected Overall Risk Reduction
124	CalPA	Set WMP-14	CalPA_Set WMP- 14	1	CalPA_Set WMP-14_C	Please list the "other benefits" referenced in the quote above.	There are also additional benefits to reducing the near-term undergrounding mileage targets, including providing more time to drive process improvements that may reduce long term costs and drive long term efficiency of the program. a) No, DTS-FAST does not have the capability to re-energize a line. Currently, DTS FAST is	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
125	CalPA	Set WMP-14	CalPA_Set WMP- 14	2	CalPA_Set WMP-14_0	years or the program.	monitoring only, and is not automatically sending the trip (de-energize) signal to operations until the system has more testing to ensure accuracy. b) DTS_CAST_energy data will report about the productions in real time. For example, if we estation has	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.2.6.1	Grid Design and System Hardening	Distribution, Transmission, and Substation: Fire Action Schemes and Technology
126	CalPA	Set WMP-14	CalPA_Set WMP- 14	3	CalPA_Set WMP-14_0	Pressor screen from the production of the produc	Table Lists the altern zone and exemple if it. A bestine on the conductor lead that altern all security and Maximum wind posed in rock assign defined. Span length, fraction, conductor size and wind direction all enthance the maximum wind speed. General Order for the ine 40.7 Table as and 44-CS require Supply service drops to have a minimum fraction of the conductor of the cond	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.2.6.2	Grid Design and System Hardening	Breakaway Connector
127	CalPA	Set WMP-14	CalPA_Set WMP- 14	4	CalPA_Set WMP-14_0	P. 399 of PG&E's WMP states, "Breakaway disconnect does not impact PSPS Risk." Please state the basis for the above quote. P. 385 of PG&E's WMP states, "Temporary distribution microgriss are designed to support."	Breakaway disconnects are used to prevent energized wire down to minimize ignition risk. At this point in time, of the presence of breakaway disconnects is not included in PSPS scoping decisions, therefore, breakaway d	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.2.6.2	Grid Design and System Hardening	Breakaway Connector
128	CalPA	Set WMP-14	CalPA_Set WMP- 14	5	CalPA_Set WMP-14_C	r. Ses or rose s wine states, The neuwood coast Airport Microgria (NCAM) was built	2020: Temporary Distribution Microgrid available to operatie in 2020 Number of 2020 PSPS events supported Acron: Auch cancer in the macration of 2020 PSPS event a. PG&Es total costs for the RCAM project were approximately \$3.3MM. PG&E does not have the project financials of our project partners. Please contact Schatz Energy Research Center at	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.2.7.2	Grid Design and System Hardening	Temporary Distribution Microgrids
129	CalPA	Set WMP-14	CalPA_Set WMP- 14	6	CalPA_Set WMP-14_C	through a California Energy Commission EPIC grant to the Schatz Energy Center and Ioan 8f from United States of America to the Redwood Coast Energy Authority (a Community Choice Aggregator), in collaboration with PG&E's EPIC 3.11, "Multi-ze Microgrid," project." P. 385 of PG&E's WMP states, "The successful deployment of RCAM provides a model for other	Call-Poly Humbold and Redwood Coast Energy Authority for details on their total project costs and funding sources. b. Of PoSEE's total project costs, I. \$3.065,000 was funded through CEC's EPIC coast (EPIC 3.11 Multill Ise Microprist). II \$224,140 in cost offsets were provided to the Attachments to this data response contain CONFIDENTIAL information provided pursuant to the	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip https://www.pec.com/pee_slobal/common/pdfs/	0	N/A	8.1.2.7.3	Grid Design and System Hardening	Community Microgrid Enablement Program and Microgrid Incentive Program
130	CalPA	Set WMP-14	CalPA_Set WMP- 14	7	CalPA_Set WMP-14_C	communities for collaborative development of multi-customer microgrids for energy resilience." a) How does PG&E determine the success of the RCAM?	Non-Disclosure Agreement in this proceeding. a) Prior to the start of the Project, POSE defined the following metrics to calculate the full deployment benefits at RCAM. 1. locanase reliability at critical facilities, a Post-deninument measurements of outside number.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip	4	N/A	8.1.2.7.3	Grid Design and System Hardening	Community Microgrid Enablement Program and Microgrid Incentive Program

			CalPA Set WMP-			P. 369 of PG&E's WMP states, "For 2023, we have planned to install devices that will provide significant reliability benefits on fuse tap lines that are in the scope of EPSS." 8 a) Please quantity the "significant reliability benefits" that will be provided from devices installed in 2023.	a) Significant reliability benefits are projected at 119,000 CESO savings and 14.618 million customer minutes. During EPSS enablement, upstream protective devices are required to see					https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-				Grid Design and System	Installation of System Automation
131	CalPA	Set WMP-14	14	8	CalPA_Set WMP-14_Qt	 b) Please provide any available workpapers or studies to support your response to part (a) 	faults beyond fuses to provide a gang trip of all three phases upon a fault condition. This practice nulfities the benefits of traditional line fuse protection. With these additional protective devices installed nonlection cranularity and corresponding reliability impact can be returned to the training. The study was officially kicked off on January 26, 2023. The "P51" team at Electric Power	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip	0	N/A	8.1.2.8.1	Hardening	Equipment – Distribution Protective Devices
132	CalPA	Set WMP-14	CalPA_Set WMP- 14	9	CalPA_Set WMP-14_Qt	P. 385 of PG&E's WMP states that it will perform a "Substation Animal Abatement Effectiveness \$5,000 in 2023. 3 When does PG&E expect to begin the Substation Animal Abatement Effectiveness Study? b) When does PG&E expect to complete the Substation Animal Abatement Effectiveness Study?	Research Institute (EPRI) was provided with PG&E historical animal contact records, existing and historical animal abatement strategies employed by PG&E, and other pertinent information peeded to perform the study.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_014.zip	0	N/A	8.1.2.12.2	Grid Design and System Hardening	Other Technologies and Systems – Substation Animal Abatement
133	CalPA	Set WMP-14	CalPA_Set WMP- 14	10	CalPA_Set WMP- 14_Q10	P. 393 of PG&E's WMP states, "In 2022 PGE implemented revisions made to TD-2325, which incorporated industry best practices as well as adjusted the pole rejection criteria." Please list the adjustments that PG&E made to the pole rejection criteria.	In The stable is senected to conclude by this 61, 2023. Please see our current procedure TD VZSSP-01 for the requested information: https://www.pogs.com/pog.gibballcommonlpdfs.stafely/emergency preparedness/instural- dasaster/httlffree/midling-instraknafrask-and-procedures/hts/2025-01 pdf The Revision Notes table on page 40 of the document describes in detail the changes that were reade command with the price vestion.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_014.zip	0	N/A	8.1.3.1.5	Asset Inspections	Intrusive Pole Inspection
134	CalPA	Set WMP-14	CalPA_Set WMP- 14	11	CalPA_Set WMP- 14_Q11	P. 400 of PG&E's WMP states, "PG&E designated plat maps as extreme, severe, high, medium, or low based on the average wildfire consequence of the structures within that plat map." a) is the designation described above based on the wildfire consequence scores from the WDRM v2 or the WDRM v3? It blum for participates of pGEE faint to require this polity man designation of secretical of base?	made, consequed to the refer useful. 3. The quate referenced above is based on the wildfire consequence scores from the WDRM v3. b) We pain to review wildfire risk model results annually and evaluate how to update the inspection plan accordingly. 3. After use review risk model results each year, we will evaluate whether the plan needs to be a few or the results and the results and the results are results.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_014.zip	0	N/A	8.1.3.2.1	Asset Inspections	Detailed Ground Inspection
135	CalPA	Set WMP-14	CalPA_Set WMP- 14	12	CalPA_Set WMP- 14_Q12	A) Hose from settle does EPGER claim to the evaluation the holds man designations, described above? Table PGER-81. To en p. 456 of PGER WMP shows the PGER added 41,866 distribution over loss in HFTDHFRA backleg in 2022. s) What measures has PGER implemented one sure that it will be able to reduce its backleg in 2022 by claim grove large than it opers? All What flexibutes must meased PGER-81 from reachion list terroris, researchen hadden and ration in	Office or review risk model results each year, see all evaluate whether the plan needs to be regarded Libelium, but finds must incide the accessories a plan may not a different connecence for all needs to be entain the well officent for the connecence for all needs to be entain the well continue to reduce our backleg of asset lags, as of January 1, 2023 of all needs of the connecence for the first DAFAR lags in our connecence for the connecence f	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip	0	N/A	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
136	CalPA	Set WMP-14	CalPA_Set WMP- 14	13	CaIPA_Set WMP- 14_Q13	P. 463 of PG&E's WMP states, "EPSS does not cause a power outage." Given that EPSS settings can de-energize a line without prior warring, and without an apparent cause, please explain what is meant by the above quote. Per PG&E's January 2023 EPSS monthly report. PG&E experienced 2.375 EPSS outages in	Enhanced Powerine Safety Settings (EPSS) enable capable protective devices on a circuit to operate in c1.3 exomosis or less in order to de-energize and isolate affected principle; of our distribution system when a fault or abnormal condition is detected that could generate a spark and subsequent wilding ingition as well as detecting higher impedance faults. Outgest that occur when EDSS c. affects are applied on a retartion desiries are a restricted order order or an extensi a) PGSE reported 1.83 s unknown care outgages in 2022. Note that while this is inclusive that a process of the process of	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-militgation- plan/reference-docs/2023/CalAdvocates 014.zip	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
137	CalPA	Set WMP-14	CalPA_Set WMP- 14	14	CalPA_Set WMP- 14_Q14	2022. a) Of the EPSS-triggered outages in 2022, in how many of these outages did PG&E find that no corrective actions were required note to re-exercizing (i.e. there was no pessistent condition that	conclusive corrective action was not identified during the outage patrol and restoration process, it is not indicative of no ignition risk. Our focus during outage patrols and restoration is to restore power as soon as it is safe to do so for our customers and communities.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_014.zip	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
138	CalPA	Set WMP-14	CalPA_Set WMP- 14	15	CaIPA_Set WMP- 14_Q15	EGLE needed to seroble supon issued to the custom of the custom of P - 465 of PGRES WIMP states. * 10202, we expanded the scope of EPSS to all HFRAs in our service territory and select adjacent EPSS buffer areas. * 3 in 2022, det PGRES expand the scope of EPSS to all HFRAs and all HFTD? to) if PGRES did not expand the scope of EPSS to all HFTD in 2022, please state the basis for this decision.	In Chapse that occurred as a seed of shored subchore from in exhibition subcreased (a. a. a. seed of shored subchore from in exhibition subcreased (a. a. a. seem or a) EPSS capability was entereded to 100% of HEPA in 2022 100% of HEP IN any as not largested by 19 GASE HEPA map is a purpose-built map to inform the Pablic Safely Power Shutoff (PSPS) and EPSS scoping process by identifying areas in PGASE service a trea where overhead electrical infrastructure could be the source of an ignition that results in a catastrophic wildire and accordingly is, under the EPSS accordingly is.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.ppe.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_014.zip	۰	N/A	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
139	CalPA	Set WMP-14	CalPA_Set WMP- 14	16	CaIPA_Set WMP- 14_Q16	Indication. Call Advocates understands that a circuit segment that has been undergrounded may still experience PSPS outgest. It segments upstream or downstream of the undergrounded circuit and a segment segment of the undergrounded circuit and a segment segment of the undergrounded circuit and a segment segment of the undergrounded circuit and segment seg	selection in first strike could be the boote or an ignorous native state in a cases representation of 30 yes, that statement is corned. While it is unsidely that a downstream incident devices. It is underground section, it is possible if there are no available downstream incident devices. It is undergrounding agrammed antifacted by spaties not withhold services on which all segments of the contract of the section of the s	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.ppe.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_014.zip	0	N/A	9.1.5	Public Safety Power Shutoff	Performance Metrics Identified by the Electrical Corporation
140	CalPA	Set WMP-14	CalPA_Set WMP- 14	17	CalPA_Set WMP- 14_Q17	a) Has PG&E performed a study or back cast to predict the likelihood that an undergrounded segment will be subject to PSPS de-nergizations due to pyteriour or downstream segments becoming subject to PSPS b) b) if the answer to part (a) is yes, please provide the results of any such studies. (a) If the answer to nord (a) is, no, nelease existion, which cold any such studies. (a) Has PG&E profitmed a study or back cast to predict the likelihood that an undergrounded all has PG&E profitmed a study or back cast to predict the likelihood that an undergrounded.	a) No, we have not performed a study or back cast mentioned in the question. b) See response to a. c) Projecting likelihood of an underground segment being subject to PSPS is possible but would take significant manual effort. However, back cast weather data was used to analyze the exceeded and inclusion in unstangeness affected by ESPS for future undercoround work. a) We have not performed this type of study.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.ppe.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_014.zip	0	N/A	9.1.5	Public Safety Power Shutoff	Performance Metrics Identified by the Electrical Corporation
141	CalPA	Set WMP-14	CalPA_Set WMP- 14	18	CalPA_Set WMP- 14_Q18	a) Has PG&E performed a study or back cast to predict the likelihood that an undergrounded segment will be subject to an EPSS-taggered de-energizations due to upstream or downstream segments becoming subject to EPSS? b) if the answer to part (a) is yes, please provide the results of any such studies. c) if the answer to nort (a) is non-risease nortion when only the provided the results of any such studies. c) if the answer to nort (a) is non-risease nortion when only the provided the results of the provided that the provid	a) We have not performed this type of study. b) Not applicable. Please see the response to subpart a). c) PG&E has not yet performed this type of study because the volume of mileage that has been placed underground relatively sent. The analysis would need to be circuit specific. For this type of study to be more meaningful, a creater, unable of undercound miles sanist peed to be PG&E object to be roome meaningful. a respectively. FG&E object to bis request as beyond the scope of this proceeding and requested to PG&E is	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_014.zip	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
142	CalPA	Set WMP-14	CalPA_Set WMP- 14	19	CaIPA_Set WMP- 14_Q19	underground electric distribution line. For each incident, please provide: a) Date of the incident b) Whather the distribution was covered by PGSE employees. PGSE contractors, or a third party.	2023 VMP. Notwithstanding and whole watering these objections, we provide the following information in relation to dig inst that happened in the 2020 to 2022 timeframe within HFTD Tier 2 and Tier 3 zones: Si Besse ace nothern & of attractment VMMD Discourses/2023 DD Caldiducenture .014.	Holly Wehrman	4/11/2023	4/28/2023	4/28/2023	https://www.ope.com/ope_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_014.zip	1	N/A	8.4.2.1	Emergency Preparedness	Overview of Wildfire and PSPS Emergency Preparedness
143	CalPA	Set WMP-14	CalPA_Set WMP- 14	20	CalPA_Set WMP- 14_Q20	In this continue of the sear-time continue is undersible. 3. During the profit of mo 2002-0202, of OPESE regions carry distribution poles as part of its WWP activities for which POSE that not fully recovered the original cost of the pole? b) if the answer for april (a) jee, with was POSE's practice regarding cost recovery on the unrecovered portion of the value associated with the replaced pole? of the name of the post has associated with the replaced pole? of the name of cost fall is use, pickers provide the number of such poles that POSE reclaimed.	(a) – (c) We cannot provide the requested data. Our asset registry and work execution systems are not set up to enable this cross-referenced data consolidation and we do not track the volume of assets replaced that have not been fully recovered.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_014.zip	0	N/A	8.1.2.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
144	CalPA	Set WMP-14	CalPA_Set WMP- 14	21	CalPA_Set WMP- 14_Q21	Unreconsider portion of the Malas associated with the Replace Spate Involve In	(a) – (c) We cannot provide the requested data. PG&E's asset registry and work execution systems are not set up to enable this cross-referenced data consolidation and we do not track the volume of assets replaced that have not been fully recovered.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation: plan/reference-docs/2023/CalAdvocates_014.zip	0	N/A	8.1.2.5.2	Grid Design and System Hardening	Traditional Overhead Hardening – Distribution
145	CalPA	Set WMP-14	CalPA_Set WMP- 14	22	CaIPA_Set WMP- 14_Q22	a) Duting the peak of multi-2002-2022, but Pober replace any point insulant materiations as part of the VMMP activities for which POSEA had not fully recovered the original cost of the transformer? b) if the answer to part (a) is yes, what was POSEE's practice regarding cost recovery on the unrecovered portion of the value associated with the replaced transformer? c) if the answer to part (a) its vest-please provide the number of such transformer that POSE 3 in 2002, how many light loss of POSEE experience related to overhead covered conductor.	 (a) – (c) We cannot provide the requested data. Our asset registry and work execution systems are not set up to enable this cross-referenced data consolidation and we do not track the volume of assets replaced that have not been high recovered. a) In 2022, PG&E observed 1 CPUC reportable ignition where the equipment type associated with 	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_014.zip	0	N/A	8.1.4.11	Equipment Maintenance and Repair	Transformers
146	CalPA	Set WMP-14	CalPA_Set WMP- 14	23	CalPA_Set WMP- 14_Q23	distribution lines? 5) In 2022, how many ignitions did PG&E experience related to overhead bare conductor distribution lines? c) In 2022, how many louitions did PG&E experience related to overhead bare conductor distribution lines?	the ignition was insulated distribution primary overhead conductor. b) in 2022, PG&E observed 183 CPUC reportable ignitions where the equipment type associated with the ignition was bare distribution primary overhead conductor. c) in 2022, PG&E observed 1 CPUC reportable ignition where the equipment type associated with.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/odfs/	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-06 – Addressing Increase in Risk Events
147	CalPA	Set WMP-14	CalPA_Set WMP- 14	24	CalPA_Set WMP- 14_Q24	a) in 2022, how many ignitions did PG&E experience related to overhead secondary distribution lines? b) in 2022, how many ignitions did PG&E experience related to overhead service lines? P. 89 of PC&E's 2022, linet annual Report to Shareholders states:	a) in 2022, PG&E observed 44 CPUC reportable (gritions associated with overhead secondary facilities. b) in 2022, PG&E observed 54 CPUC reportable (gritions associated with overhead distribution service facilities. g) in 2022, PG&E observed 54 CPUC reportable (gritions associated with overhead distribution service facilities. g) PG&E observed 54 CPUC PGE observed 54 CPUC reportable (gritions associated with overhead distribution service facilities.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-06 – Addressing Increase in Risk Events
148	CalPA	Set WMP-14	CalPA_Set WMP- 14	25	CalPA_Set WMP- 14_Q25	On October 26, 2022, the Utility notified the CPUC that the Utility's procedure for wood pole replacements did not comply with CPUC requirements for replacement of poles under certain conditions and, accordinally, in some instances, the Utility failed to replace wood poles with safety	all reades see: with "uncoverpous of the Control and the Contr	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip	1	N/A	8.1.2.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
149	CalPA	Set WMP-14	CalPA_Set WMP- 14	26	CalPA_Set WMP- 14_Q26	Indices holde the monitor distincts in S. 18 of PGESE 29 22 20m Annual Report to Shareholders states. 18 of PGESE 29 22 20m Annual Report to Shareholders states. 18 of PGESE 29 22 20m Annual Report to Shareholders states. 18 of PGESE 29 22 20m Annual Report to Shareholders states. 18 of PGESE 20m Annual Report to Shareholders 20m Annual Report to Shareholders 20m Annual Report to Shareholders 20m Annual Report 20m Ann	b) 213 out of the 950 poles sampled (22%) did not have evidence of infrusive inspections within the compliance fineframe. Please see pages 2 through 3 of "WMP". Discours/0023, DR. Callidrocates, DLL-00268arbit and "WMP" in primarily focused in HFTD. 3.1 Venetation Management for Operational Militration (VMOM) will be primarily focused in HFTD.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_014.zip	1	N/A	8.1.2.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
150	CalPA	Set WMP-15	CalPA_Set WMP- 15	1	CalPA_Set WMP-15_Q	1 minimum radial clearance of 12 feet throughout the system within HFTD and HFRA. Two new	VMOM would complete work on the whole circuit segment including the areas outside	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-miligation- plan/reference-docs/2023/CalAdvocates 015.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.2.2.2.6	Vegetation Management and Inspections	Discontinued Programs
151	CalPA	Set WMP-15	CalPA_Set WMP- 15	2	CalPA_Set WMP-15_Q	sometime, are likely to read in invited at these that assent enhance electronic states. EVAL section is reliable to the read of the read o	HFTD may often require enhanced clearance beyond those recommendations to address tree conditions, the overall impacts of pruning to tree health, may compel tree removal, which can be interpreted as enhanced clearance. As a methodology, the goal is to mitigate identified problematic tree conditions between inspection cycles and obtaining 2,3 years of clearance.	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 015.zip https://www.pse.com/pse_slobal/common/odfs/	0	N/A	8.2.2.2.6	Vegetation Management and Inspections	Discontinued Programs
152	CalPA	Set WMP-15	CalPA_Set WMP- 15	3	CalPA_Set WMP-15_Q	Identify new trees for the sort of work identified in this [tree] inventory. Additionally, if any priority	PG&E intends to track trees identified for work under VMOM and FTI using the OneVM tool. a) As a program being performed in addition to Routine VM. the objective of FTI is not based on a	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	safety/emergency-preparedness/natural- disaster/wildfire-fivildfire-mitigation- plan/reference-doss/2023/CalAdvocates 015.zip https://www.pge.com/pge_global/common/pdfs/	۰	N/A	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
153	CalPA	Set WMP-15	CalPA_Set WMP- 15	4	CalPA_Set WMP-15_Q	cycle or is showing signs of imminent failure before next work completion cycle." a)Please provide how PGSE will determine desired clearance distances using analysis of PGSE citizen in its response to Cuestion 2 (c) of Calledon-cate, PGC 2021/MMS 08 that it	a) As a program being performed in addition to Routine VM, the objective of FTI is not based on a surform or regional clearance specification or a "besided clearance". Outage analysis and data is intended to help inform the Vegetation Management Inspect (VMI) to identify which species and failure types are increasing localized outage ternoti. For example, this information can help observed in the control of the control	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 015.zip https://www.pec.com/pge_elobal/common/edfs/	۰	N/A	8.2.2.2.6	Vegetation Management and Inspections	Discontinued Programs
154	CalPA	Set WMP-15	CalPA_Set WMP- 15	5	CalPA_Set WMP-15_Qt	"utilized VM EPSS-enabled outage data, historical VM outage data, and customer outage impact	VM EPSS-enabled outage data was used to determine both a planned unit forecast and identify CPZs where EPSS VM Outages took place. Historical VM outage data was used to identify CPZs where reoccurring VM outages took place. Controlled to the CPZ where reoccurring VM outages took place. Controlled to the CPZ where reoccurring VM outages took place.	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 015.zip	0	N/A	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
155	CalPA	Set WMP-15	CalPA_Set WMP- 15	6	CalPA_Set WMP-15_Qt	For F.1, Areas of Concern (ALCAS) were identified tribuging a cross-functional error ususing County-based regional reviews to create polygons which are geographic areas. Intital polygon development utilized WDRMv3 consequence scores, Public Safety Specialist circuit-based annihilations aromatics. 20. uses lookbask of metaconologic state, and annihilation scores in the second public state of the second public state. PCRSE dates p.ESE-2012/WMRD Bits Troes	WDRM/s Consequence scores aided in quality checking the AOC polygons. Adding this to the process resulted in adding two additional AOC polygons containing 32 circuit miles. WDRM/s was also used to rank and priorities the AOC into the ranches. It is this Collection Consistency (DSC) client thread size susceptions used not result in the distribution of the control of the contro	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	https://www.oge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural: disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/Calddvocates 015.zip https://www.pge.com/pge_global/common/pdfs/		N/A	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
156	CalPA	Set WMP-15	CalPA_Set WMP- 15	7	CalPA_Set WMP-15_Q	Inventory Program "is planned to last 9 years". In response to Question 9 (a) of CalAdvocates- PGE-2023WMP-08, it provides a pace for the next three years of 15,000 trees in 2023, 20,000 trees in 2024, and 25 000 trees in 2025.	B. Delic Schlan Schrodister, ISSS), invasible based size schrodister, incomplete and proposed soft for the first incomplete and in the process of the proposed soft for first first levels and the proposed soft for first size passes as a starting port to plan the pace of sont completion however, the lessons learned uniform the completion triangs of the proposed soft size and concritication with other sustem bardenin activities, so, 3 Narrows 2109216.	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	https://www.pge.com/pge.global/common/pdts/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 015.zip https://www.pge.com/pge.global/common/pdfs/		N/A	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
157	CalPA	Set WMP-15	CalPA_Set WMP- 15	8	CalPA_Set WMP-15_QI	**Species available APCAEF is forecasted a self-state is select in sent of state if it resistants. PEAE is state in its register to Custom 51 of it of Californizates PEAE 2020/WP-09 flee that "The MCRE State in the register to Custom 51 of its own 52 of	Morgan Hill 2111XX-size Laureles 111112020 Templeton 2110901690 Bio Basin 11010720	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	https://www.pe.com/pge_global/common/pdts/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-doss/2023/CalAdvocates_015.zip https://www.pe.com/pge_global/common/pdfs/		N/A	8.2.2.2.3	Vegetation Management and Inspections	VM for Operational Mitigations
158	CalPA	Set WMP-15	CalPA_Set WMP- 15	9	CalPA_Set WMP-15_Qt	will utilize EPSS Outages Extent of Condition (ECO) patrols to identify and generate additional 9 reve work throughout the year. Additionally, EPSS outage data will be utilized in the scope of work development for the following year. Please, recorded the time frame or date when PRSE world inhoractive, PESS - 1072/WMMP news-PESS - 1072/WMMP news-PE	The additional live work that is generated throughout the year will be worked according to roomal Vall organizations. He was the ADEE facilities, do the ADEE facilities, do thought as a Priviley in the Vall Priviley Tag Procedure, the condition will be religiously within 24 hours of identification as lower as conditions, and add to the time resemble within 24 hours of identification as lower as conditions, and add to the time resemble and the ADEE facilities. Journal insurance for a 30 VDRAM vegetation scores were aggregated at the ADEE feet for each circuit segment within ADEC policy procuration. The exacting VDRAM aggregated scores were exempted or ADE. Supplies the ADEE for the ADEE facilities are already as a supplies of the ADEE for the ADEE facilities are as a considerable for the ADEE facilities are supplied and the ADEE facilities are scored and carried the ADEE facilities along and adelected from the holder allered facilities and accordance for the ADEE facilities along and a delected from the other allered facilities and a continue for the ADEE facilities along and a delected from the other allered facilities and a continue for the analysis.	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 015.zip		N/A	8.2.2.2.3	Vegetation Management and Inspections	VM for Operational Mitigations
159	CalPA	Set WMP-15	CalPA_Set WMP- 15	10	CalPA_Set WMP- 15_Q10	PG&E states in its response to Question 4 (n)(i) of Cal&dvorates PGE-2023WMP.08 that the	a) With a goal to identify regionally variable AOC to pilot the initial program the four AOCs were	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigatural- disaster/wildfires/wildfire-mitigatural- plan/reference-docs/2023/CalAdvocates 015.zip		N/A	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
160	CalPA	Set WMP-15	CalPA_Set WMP- 15	11	CalPA_Set WMP- 15_Q11	react sates into response to question (§gg) or convolutions received any of the same state of the same	selected (See response to Question 10b). The 300 miles represents approximately 10% of the overall prioritized ACCs available for 2023 and is intended to yield the learnings needed to support and inform future work plans. Certified Athroicist with the additional TRAC certification can implement industry best standards.	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	https://www.ope.com/ope_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 015.zip		N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections

						DCSC states in its response to Question 4 (bVI) of Californias DCC 2023WMD.08 that White	n). The following clarifications are to provide more detail on what "more regional midance" is									1	
161	CalPA	Set WMP-15	CalPA_Set WMP- 15	12	CalPA_Set WMP- 15_Q12	PGAE states in its response to Question 4 (h)()) of Calkdoncates PGE-2023YMP-08 that "White impaction holds and data collection are expected to be intrinsicated it is anticipated and more relative to the collection of the property of the	a) The rotowing claimications are to provise more detail on what more regional guidance is intended to accomplish, Guidance associated with tools utilized and data collected are expected to be standardized for the FTI program in all ACCs during the initial pilots. The outage, species and tree failure details available for each ACC will vary and are expected to be reviewed prior to the failure of the failu	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 015.zip	0	N/A	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
162	CalPA	Set WMP-15	CalPA_Set WMP- 15	13	CalPA_Set WMP- 15_Q13	PG&E states in its response to Question 4 (k) of Callydvocates-PGE-2023WMP-08 that "Pass or Fall criteria is not anticipated for the FTI program. FTI will use TRAC Certified Arborists to perform inspections and prescribe work based on site and tree specific conditions. Some trees will be trimmed and other will be removed to address associated risk between inspection cycles."	Level 1 imprections are to be performed during patrols. Site specific and tree specific conditions will help inspectors determine when Level 2 inspections are needed to determine if a tree needs to be completely removed or trimmed to mitigate risks between inspection cycles in the AOC. Guidance provided in the California Power Line Fire Prevention Field Guide, "HAZARD	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
163	CalPA	Set WMP-15	CalPA_Set WMP- 15	14	CaIPA_Set WMP- 15_Q14	will be trimmed and other will be removed to address associated risk between inspection cycles." Pleases zoncide and Interies and ERGAL all emoties to delimine tree trimmins and enterousal incident. PGAE states in the response to Question 6 (i) of Call-Ancestes-PGG-2023WMIP-08 that. "PGAE has performed all be string wirth in sets shown DCI is able to detect and de-emorgize downed conductors reducing ignition risk where installed." all Pleases describe the methods, cope, and findings of the abovementioned lab testing.	TREESUAGETATION CLEARANCE: section, roowides criteria that can aid in the aeroproisite a) DCD to be testing used formally conducted at ATS in 2022 to validate DCD effectiveness to detect and de-energize downed conductors, as well as calibration, toubleshooting, tuning, maintenance, and debugging. The testing were designed to minim light imprecision fault conditions experienced in the system such as a tree resting on energized conductor, or an energized conductor binson and connoctine, and vasious. Inden fault. These tests successfuls/demonstrated conductor binson and connoctine and vasious. Inden fault. These tests successfuls/demonstrated	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	pian/reterence-docs/2023/calledvocates 015.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	N/A	8.2.3.4	Vegetation Management and Inspections	Fall-In Mitigation
164	CalPA	Set WMP-15	CalPA_Set WMP-	15	CalPA_Set WMP- 15_Q15	hildense zonside anu documents oceanated from the abovementioned lab testino: includion. PG&E states in its response to Question 12 of Call4drocates-PGE-2023WMP-08 that "Should a program fall below a 90% pass rate, catch back plans will be developed in partnership with VM execution to mitigate for specific cause of deficient rate." Please describe the nature of the abovementioned "catch back plans".	conductor binon on soil, concrete, and various, fine fuels. These tests successfully demonstrated. A Catch Back is a recovery plan developed when project milestones are off-track. The Catch Back Plan is developed by the project owner with stakeholders, and includes the specific problem, counter measure(s) to date, raised issue date, target closure date,	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	plan/reference-docs/2023/CalAdvocates 015.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.5	Vegetation Management and Inspections	Quality Assurance/Quality Control
165	CalPA	Set WMP-15	CalPA_Set WMP- 15	16	CalPA_Set WMP- 15_Q16	rease oscinos en nature o fina acoverementos caran nace, paras. PGBE attases in ser response lo Question 13 (parts a, b, an c) of Calid-Ancades-PGE-2022WMP- QB and province of the province		Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	plan/reference-docs/2023/CalAdvocates 015.zip https://www.ope.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.5.1	Vegetation Management and Inspections	Quality Assurance and Quality Verification
166	CalPA	Set WMP-15	CalPA_Set WMP-	17	CalPA_Set WMP- 15_Q17	remains product analogo between a manifest insignation and contact common contact contact contact and contact contact and cont	risk trees. Trees identified during routine and second patrol inspection cycles that require mitigation per PRC4293 and GO95 Rule 35 are expected to be identified and listed for work	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	plan/reference-docs/2023/CalAdvocates 015.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preoparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.3.6	Vegetation Management and Inspections	High-Risk Species
167	CalPA	Set WMP-15	CalPA_Set WMP- 15	18	CalPA_Set WMP- 15_Q18	side reactions in still believe determined and continued town correlation of ETI rights in 2029. A PGGE states in like response to Question 18 of Calladycoattes,PGE-2023WMP-08 that "The Quality Management team has aligned on setting target pass rates at 88% for Field Quality Control Action (Potentialism Program for the Adjourner on promotions).	b) & de describert les sessones les Calideires tels DGE 2023BMB 0.8 0.17 the Encursed Tree Basis for deciding on the 88% target - PG&E decided to utilize O1 2023 data to establish a baseline target pass rate as pass rates	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	plan/reference-docs/2023/CalAdvocates 015.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	2	N/A	8.2.3.6	Vegetation Management and Inspections	High-Risk Species
168	CalPA	Set WMP-15	CalPA_Set WMP-	19	CalPA_Set WMP- 15_Q19	Please state the hasis, provide the method, and supportion documentation for the In its response to Question 5 of Callydocates-PGE-2023WIP-09, PGAE provides the following table of actual and forecasted costs for vegetation management programs. PGAE further states that The EVM Transiltonal programs for VM are Focused Three Inspections, VM for Operational that The EVM Transiltonal programs for VM are Focused Three Inspections, VM for Operational that The EVM Transiltonal Programs for VM are Focused Three Inspections, VM for Operational that The EVM Transiltonal Programs for VM are Focused Three Inspections, VM for Operational that The EVM Transiltonal Programs for VM are Focused Tree Inspections, VM for Operational that The EVM Transiltonal Programs for VM are Focused Tree Inspections, VM for Operational that The EVM Transiltonal Programs for VM are Focused Tree Inspections, VM for Operational that The EVM Transiltonal Programs for VM are Focused Tree Inspections, VM for Operational that The EVM Transiltonal Programs for VM are Focused Tree Inspections, VM for Operational that The EVM Transiltonal Programs for VM for Operational tha	rate of approximately 88% for Posterio Distribution, Second Patrol Distribution, and Vegetation Control subth one tell trees proximate on such size. Brown size, We as described the Control subth on the United New Action (1997) and the Control subth on the Contr	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	plan/reference-docs/2023/CalAdvocates_015.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.5.2	Vegetation Management and Inspections	Quality Control
169	CalPA	Set WMP-15	CalPA_Set WMP-	20	CalPA_Set WMP- 15_Q20	initiage of tracking planned worked date for individual trees and are unable to provide the	2022 2023 2024 The Metallak \$109.120 \times 100 \times	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	plan/reference-docs/2023/CalAdvocates 015.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.3.4	Vegetation Management and Inspections	Fall-In Mitigation
170	TURN	004	TURN_004	1	TURN_004_Q1	have been hardened with covered conductor" that will be assessed in the study planned for	mat may contain multiple trees on the same circuit. The work inentitied is then sent our and	Tom Long	4/12/2023	4/17/2023	4/17/2023	plan/reference-docs/2023/CalAdvocates 015.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	Yes	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
171	TURN	004	TURN_004	2	TURN_004_Q2	completion on June 30, 2023. Regarding Table PG&E-22-35-1 (IPSPS Events Lookback Analysis) on page 972 of PG&E's 2023-2025 WMP: a For each column with numerals, provide a verbal description of all input data and of how the numerals in each column were calculated.	a. Input Data: the columns in Table PG&E-22-35-1 used the following input data: 2022 PSPS Five- Year Lookback Analysis (2018-2022): this is an analysis which shows the hypothetical PSPS events created by applying 2022 PSPS guidance to the weather from 2018-2022. This is our post occurries method of a entire in PSPS incorporate based on our blast PSPS guidance and	Tom Long	4/12/2023	4/17/2023	4/17/2023	plan/reference-docs/2023/TURN 004.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-35 Quantify Mitigation Benefits of Reducing PSPS Scale. Scope. and Frequency
172	TURN	004	TURN_004	3	TURN_004_Q3	ramerals in each column were calculated. De break the bash in the Even Idea (1934E 22-35, beginning on page 971 of its VMP- Regarding PGS&E's response to ACI PGS&E 22-35, beginning on page 971 of its VMP- a. Please identity each mitigation discussed in PGS&E's current VMMP or its 2022 VMMP that has the potential to mitigate the scale, scope, frequency, or duration of PSPS events. Desace explain wity Table 22-35 in only looks at the impact of two mitigations, undergrounding.	most accurate method of estimating PSPS impacts based on our latest PSPS guidance, and most list as distance identifium the late of customers immediate the shortfordical ensent. This list of a. The 2022 WMP and 2023 WMP collectively discuss the following mitigations with the potential to mitigate the scale, scope, frequency, or duration of PSPS events: • Distribution Sectionalizing Devices "Transmission I the Sectionalizing or Switching	Tom Long	4/12/2023	4/17/2023	4/17/2023	plan/reference-docs/2023/TURN 004.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	Appendix D	Areas for Continued Improvement	PSPS Scale, Scope, and Frequency ACI PG&E-22-35 Quantify Mitigation Benefits of Reducing PSPS Scale, Scope, and Frequency
173	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division)_003	1	CPUC - SPD (Safety Policy Division)_003_Q	and MSO, and does not consider the other mitications identified in personne to submart (a). 1. Fill in the attached spreadsheet "Wildrige Miligation Table DR = PGSE." The first tab is a "Charge of which provides definition for each attached spreadsheet." That is not "Area!"	* I ransmission Line Sectionalizing of Switching Hibitishistics Line Milderbriand Subth Phorastor AREO'\ Derboarments Please see attachment "WMP-Discovery2023_DR_SPD_003-00014bch01 xbx" which is the completed Wildlife Miligation Table DR — PG&E template provided to us by SPD.	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	plan/reference-docs/2023/TURN 004.zip https://www.pge.com/pge_plobal/common/pdfs/ safety/emergency-pregnaredness/natural- disaster/wildfires/wildfire-mitication-	1	N/A	8	Wildfire Mitigation	N/A
174	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division) 003	2	CPUC - SPD (Safety Policy Division)_003_Q		The cited information is incorrect in the WMP. We have corrected it in response to this discovery request. We will reach out to Energy Safety to discuss this update and making corrections to the WMP pursuant be terrepy Safety's Calcidors. The Advis Record Safety Saf	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	plan/reference-docs/2023/SPD 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.1	Grid Design and System Hardening	Covered Conductor Installation – Distribution
175	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division) 003	3	CPUC - SPD (Safety Policy Division)_003_Q	3.Confirm or revise PG&E's Butte County OH to UG conversion factor in the 2023-2025 WMP (currently 1.57 in the GRC) based on actual and estimated UG miles for 2023-2026. In the PG&E		Kevin Miller	4/12/2023	4/19/2023	4/19/2023	plan/reference-docs/2023/SPD 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
176	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division) 003	4	CPUC - SPD (Safety Policy Division)_003_Q	Based on WSPS Initial review of the wildfire ignitions and general understanding of PG&E's undergrounding program, it appears that undergrounding would have prevented only 87% of CPUC-reportable ignitions in the HFTD area between 2002-2022 primarily due to the impact of expenses and explain conduct primarile Additionally SPD conduct the CPUC reportable ignition.	a) in the 2022 WMP discovery process, we provided a data response that showed how PG&E estimated the effectiveness of undergrounding in reducing ignitions (WMP Discovery2022_DR. Call4dvocates_028-004). As PG&E explained in that data request: PG&E estimate of the effectiveness of undergrounding in reducing ignitions is based on subject.	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	plan/reference-docs/2023/SPD 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
177	CPUC - SPD (Safety Policy Division)	003	CPUC - SPD (Safety Policy Division)_003	5	CPUC - SPD (Safety Policy Division)_003_Q	a.Why does Column "O" "Risk Rank (V2)" begin at Rank 7 (as opposed to 1) for circuits? i.Why does it end at 3328?	matter expectitie. With validated this estimation used the localizer and one matter for countried and a. There are there primary reasons why the risk naring does not begin at 1: 1. If the circuit segment length is less than 1 mile them those smaller segments are bundled with other larger projects (e.g., the circuit segments that are risk rained (1,3,4, and 5 were all less than 1 mile and bundled with other larger groups of circuit segments).	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	plan/reference-docs/2023/SPD 003.zlp https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-16 – Progress and Updates on Undergrounding and Risk Prioritization
178	OEIS	002	OEIS_002	1	OEIS_002_Q1	II Mbis do the case in cast I-IA exist? A has PG&E used its Targeted the Species study to identify additional clearances for and begin inventory of trees with the highest growth and highest failure potential? If it is, explain the results and how PG&E has and will integrate this knowledge into its VM programs.	2. Some of the circuit seconomic son orientals cannot allow use send an annual letter to the cuses. 1. No, PG&E has not used its Targeted Tree Species study to identify additional clearances for inventity of trees with the highest growth and highest failure potential and there is currently no inventity of the control of the	Colin Lang	4/13/2023	4/18/2023	4/18/2023	plan/reference-docs/2023/SPD 003.zlp https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 002.zlp	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-24 – Progression of Vegetation Management Maturity
179	OEIS	002	OEIS_002	2	OEIS_002_Q2	programs. If not release exclusion PCAE's name to nerform this analysis and rousde a timeline for commission at What are the minimum qualifications for an inspector preforming the the-risk assessment for the Focused free impections? b. Why and how did FGAE choose to use the American National Standards institute (AMSI) A. 2000 been take assessment standard over PGAE's Tire Assessment Tool (TAT) for Focused Tiree.	Oblindhum and sunblack of their complete rates or make any incontroversible tools on chearance in the Concerd Time Injection in a Time Risk Assessment Qualification (TRAC) through the international Society of Abstractionary (SiA). We will write the international Society of Abstractionary (SiA) to 10½ we will stall the international Society of Arboriculture (SiA). Basic Time Risk Assessment Earns for the Enrossed Time Inconsideror. The Basic Time Risk Assessment Earns is provided usually The confidential attributions are being provided pursuant to the accompanying confidentially the confidential attributions are being provided pursuant to the accompanying confidentially the confidential attributions are being provided pursuant to the accompanying confidentially the confidential substructure are being provided pursuant to the accompanying confidentially the confidential substructure and the provided pursuant to the accompanying confidentially the confidential substructure and the provided pursuant to the accompanying confidentially the confidential substructure of the providential purpose the providential providential providentially the providential providenti	Colin Lang	4/13/2023	4/18/2023	4/18/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/DEIS 002.zip	0	N/A	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
180	OEIS	002	OEIS_002	3	OEIS_002_Q3	On page 621, PG&E references its Company Emergency Response Plan (CERP). Provide an unredacted version of the CERP and all annexes.	Eform for the Coused Tire Inspections. The Basic Tires Bisk Assessment Form is consided with. The condicional author-ments are being provided pursuant to the accompanying confidentially declaration. a. Please see attachment "WMP-Discovery2023_DR_OEIS_002-0003Astch01CONF.pdf" for a unreducted version of our CERP. Please see attachments "WMP-Discovery2023_DR_OEIS_002-0003Astch01CONF.pdf".	Colin Lang	4/13/2023	4/18/2023	4/18/2023	https://www.pge.com/pge_global/common/pds/ safety/emergency-preparedness/natural- disaster/wildfire-s/wildfire-mitigation- plan/reference-docs/2023/DEI 002.zip	3	N/A	8.4.1	Emergency Preparedness	Overview
181	OEIS	002	OEIS_002	4	OEIS_002_Q4	a. On page 567, PG&E references the weather stations deployed over their 70,000 square mile territory for monitoring conditions. I provide the incellation standard that all PG&E weather stations are installed to. Include height from ground, direction of cross-arm, and which side of the pole/lower they are installed on.	a. i. Please see the attachment "WMP-Discovery2023_DR_OEIS_002-Q004Atch01CONF.pdf" for the requested information.	Colin Lang	4/13/2023	4/18/2023	4/18/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 002.zip	2	N/A	8.3.2.1	Situational Awareness and Forecasting	Existing Systems, Technologies, and Procedures
182	OEIS	002	OEIS_002	5	OEIS_002_Q5	h On nane 570, PG&E references the maintenance for their weather stations and calibrations Please provide an Excel version of Table 7-4: Summary of Risk Reduction for Top Risk Circuit Segments from PG&E's 2023 WMP.	Disease see the attachment MMMD hiscosen/022_DB_ACIES_NDS_000A84bbD1. In reviewing this request, we discovered that some of the information in Table 7-4 is incorrect. We have corrected it in response to this discovery request. We will reach out to discuss this update and making corrections to the WMP pursuant to Energy Safety's Guidelines.	Colin Lang	4/13/2023	4/18/2023	4/18/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/OEIS_002.zip	1	N/A	7.2.2.3	Wildfire Mitigation Strategy Development	Projected Risk Reduction on Highest-Risk Circuits Over the 3- Year WMP Cycle
183	OEIS	002	OEIS_002	6	OEIS_002_Q6	Under Section 8.1.2.8, PG&E only includes additional information for distribution protective devices. What program(s) does PG&E currently have for system automation equipment at the transmission level?	Season.ee. MMP_attachmen* "VMB-Discressor(D72. D.B. DISC.000.00064bcht).tex." As included in Section 8.1.8.1 of the USG20.3205 VMPs on the transmission system, auto recibing is disabled for the entire widther season when the FPI rating reaches R3 or greater. In addition, in Section 9.2.1, we explained how our Transmission Asset Health. Specialist reviews the system to identify if there are low impact lines that do not meet our PSPS scotland critical forms of the MSP o	Colin Lang	4/13/2023	4/18/2023	4/18/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 002.zip	0	N/A	8.1.2.9.1	Grid Design and System Hardening	T Line removal (in HFTD) - Transmission
184	OEIS	002	OEIS_002	7	OEIS_002_Q7	a Provide a definition for POLEST "Critical Plass Rade" for its asset inspection QC, as shown in Table POLEST-2011. This should include orbits on the right saw critical" including any risk breakfuls, associated expressed bytes, or other or learned determination. Lobest "Critical Plass Rade" differ from the POLEST-2016.0F, in resource in Critical Issues RAM-POLEST-2016.0F, in resource in Critical Issues RAM-POLEST-2016.0F, in PIP I and I describe I how the Name Allow many (prints were evaluated or POLEST-ESD-2016.0F, in PIP I and 2022) (d). Allow many (prints) were evaluated or POLEST-ESD-2016.0F, in PIP I and 2022) (d).		Colin Lang	4/13/2023	4/18/2023	4/18/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfres/wildfire-mitigation- plan/reference-docs/2023/OEIS 002.zip	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-2221 Asset Inspections Quality Assurance and Quality Control ACI PG&E-2208 Better Amplication of Specific Lessons
185	OEIS	002	OEIS_002	8	OEIS_002_Q8	applicable) respectively? b. When would PG&E perform an EIA? c. Provide an example of an ignition PG&E performed EIA for, including supporting	in 2021 and the scope/breadth of these evaluations may vary. Under the EIA program, we completed 147 lightion evaluations in 2022, and 17 ignition evaluations year-to-date in 2023. b. As outlined in our Utility Procedure: RISK-6308P-02 Fire Incident Enhanced Ignition Analysis	Colin Lang	4/13/2023	4/18/2023	4/18/2023	https://www.oge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/OEIS 002.zip	4	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-2208 Better Application of Specific Lessons Learned from Utility-Caused Fires
186	OEIS	002	OEIS_002	9	OEIS_002_Q9	documentation and remote are anoticable. a Provide the definitions for the PSS Outage Types under Column J for the tab labeled "2022 EPSS Outage Data". b. What analysis has PGAE performed on EPSS-caused outages to determine which outages would have led to an ignition? I What are separated EPSS-caused outseers from the activity interest of the EPSS program.	Decoders (first shithed in Sections 2022) inciden with these condition must Eld colorise. a. The table below defines each of the four (4) values appearing in column "J" of the spreadsheet PG&E provided. EPSS Cutage Type FTS Fast Trip Setting", Post-Optimized Circuit Settings WIT "But I put "Type". One Conference Circuit Settings	Colin Lang	4/13/2023	4/18/2023	4/18/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 002.zip	1	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-32 – Updates on EPSS Reliability Study
187	OEIS	002	OEIS_002	10	OEIS_002_Q10	would have led to an ingition? "What percentage of EPSS_coursed_ruitaines since the .establishment of the EPSS_coorses a Provide an Excel sheet letting all work orders closed by PGSE in 2002 Following the same format and information as Table 13 of the CDR, with the additional columns: Limit of the Committee of Committees and Committ	HI T-Hot Line Tax* Pro-Continent Circuit Settino. a. Pease see the Table 13 - Closed that in attachment "VMP Discovery2023_DR_OEIS_002- QD (0140-bD) xiax* for the requested information. Peaser note, this data was puled on Jansary 31, 2023. b. Please see the "Table 13 - Open" tab in attachment "VMP Discovery2023_DR_OEIS_002- 0010146/bD) xiox* for the requested information.	Colin Lang	4/13/2023	5/9/2023	5/9/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/OEIS_002.zip	1	N/A	8.1.7	Open Work Orders	N/A
188	TURN	005	TURN_005	1	TURN_005_Q1	II-Nobe: Priority (A. s. j., k. star r.) II-Nobe: Priority (A. s. j., k. star r.) II-Nobe: Priority A. star r.) II-Nobe:	Child Section 1 and Association of Control and Association 1 and A	Tom Long	4/13/2023	4/19/2023	4/19/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/TURN_005.zip	3	N/A	8.1.2	Grid Design and System Hardening	ALL
189	TURN	005	TURN_005	2	TURN_005_Q2	2. If the response to question 1 is that PG&E has no such decision free schematic, then please describe the process that PG&E uses to decide, for a given location, which mitgation technique to use — i.e., undergrounding, covered conductor, remote grid installation, etc. — including without limitation the criteria that PG&E uses to select the mitgation technique for that location.	Not applicable. PG&E has a decision tree. Please see our response to TURN_005-Q001.	Tom Long	4/13/2023	4/19/2023	4/19/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-s/wildfire-mitigation- plan/reference-docs/2023/TURN_005.zip	0	N/A	8.1.2	Grid Design and System Hardening	ALL
	TURN	005	TURN 005	3	TURN 005 Q3	3. In choosing among alternative system hardening mitigation techniques – I.e., undergrounding covered conductor, remote grid installation, etc. – for a given location, please explain how PG&E tables into account the execution and schedule risks associated with undergrounding compared to other alternatives. PG&E discusses those risks in its 2023-2025 VMMP at pages 344-346. They were alternatives and IPG&ES instead 2013 VMMP except and table 5670.4301.	During the field scoping process, the team reviews all high-impact dependencies that could extend the execution. During review, we evaluate alternative undergrounding routes to avoid such					https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-		N/A	8.1.2	Grid Design and System	

No.							4.For the undergrounding work described in PG&E's 2023-2025 WMP, please describe PG&E's policy concerning undergrounding of service connections and the removal of poles on which	Our 10,000-mile undergrounding program is focused on undergrounding higher-voltage primary distribution powerlines in areas of high fire risk. While there is a degree of risk anywhere there					https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-				Grid Design and System	Undergrounding of Electric Lines
1	191	TURN	005	TURN_005	4	TURN_005_Q4		are energized overhead facilities, historically, we have observed more frequent ignitions and larger wildfires associated with the overhead primary distribution coverdines. This is command in lower voltage secondary distribution lines, sensice connections.	Tom Long	4/13/2023	4/19/2023	4/19/2023	disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.2		and/or Equipment – Distribution
	192	TURN	005	TURN_005	5	TURN_005_Q5	policy concerning undergrounding of secondary distribution lines (as opposed to primary lines) and the removal of poles on which secondary lines are attached. To the extent that this determination unrise to project integer describe the criteria that PGSE upor to decide whether	distribution lines.	Tom Long	4/13/2023	4/19/2023	4/19/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN 005.zip	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
Part	193	TURN	005	TURN_005	6	TURN_005_Q6	on page 347), please provide PG&E's best estimate of the percentage of existing poles in the affected circuits (including poles supporting primary lines, secondary lines, and services) that will	Determining the poles that are to be removed	Tom Long	4/13/2023	4/19/2023	4/19/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
Part	194	TURN	005	TURN_005	7	TURN_005_Q7	7. With respect to the values for 2023-2025 in the column for Estimated System Hardening Undergrounding Miles in Tatle PG&E-8.1.2-2 on page 347 of PG&E's 2023-2025 WMP: a.For each year, please provide PG&E's estimate of the overhead circuit miles that will be replaced and explain how this estimate was determined;	a. Based on subject matter expertise and a sample of completed projects, the estimated overhead to undergrounding conversion rate is 1.25 miles of underground line installed for every 1 mile of overhead primary line removed. Our larget undergrounding miles for 2023-2026 is 2,100 miles. Using the estimated conversion rate, the overhead primary miles removed is projected to	Tom Long	4/13/2023	4/19/2023	4/19/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
Part	195	TURN	005	TURN_005	8	TURN_005_Q8	Miles in Table PG&E-8.1.2-2 on page 347 of PG&E's 2023-2025 WMP:	 a. As described in our GRC1, the estimated overhead to undergrounding conversion rate in the Butte Rebuild area is 1.57 miles of underground line installed for every 1 mile of overhead primary 	Tom Long	4/13/2023	4/19/2023	4/19/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
Mathematical Content of the Conten	196	CalPA	Set WMP-16	CalPA_Set WMP- 16	1	CalPA_Set WMP-16_Q	Regarding PG&E's SCADA Underground (UG) Switches: a) Please explain PG&E's operating procedure for operating a SCADA UG switch to energize and de-energize a circuit or circuit seement.	decisaration. a) For distribution operations operating procedures, SCADA UG switch when de energizing is an open command in RT SCADA with load read on SCADA devices before and after de-energizing.	Holly Wehrman	4/18/2023	4/21/2023	4/21/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	2	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
1	197	CalPA	Set WMP-16		2	CalPA_Set WMP-16_Q	 a) Please explain PG&E's operating procedure for operating a load break elbow in a vault to 2 energize or de-energize a circuit or circuit segment. b) Please provide PG&E's written procedures or other documentation related to your response to 	Encurrence with a SPC ATM II It is match and howe accorded and control and desire an administration about and The confidential attachments are being provided pursuant to the accompanying confidentially declaration. a) For distribution operations operating procedures, if de-energizing or energizing from Load break elbows that are not protected by fuses on the source side, then reclosing a relay is first cut.	Holly Wehrman	4/18/2023	4/21/2023	4/21/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.10.3	Grid Design and System Hardening	Motor Switch Operator Switch Replacement
Part	198	CalPA	Set WMP-16	CalPA_Set WMP- 16	3	CalPA_Set WMP-16_Q	a) Please explain in detail PG&E's operating procedure for operating a junction box in a vault to a energize or de-energize a circuit or circuit segment.	declaration. a) For distribution operations operating procedures, junction boxes my contain either Load Break	Holly Wehrman	4/18/2023	4/21/2023	4/21/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	0	N/A	8.1.2.10	Grid Design and System Hardening	Other Grid Topology Improvements to Minimize Risk of Ignitions
	199	CalPA	Set WMP-16	CalPA_Set WMP- 16	4	CalPA_Set WMP-16_Q	.nact f.a.) Please explain PG&E's selection criteria for where to install the following equipment on underground circuits: a) SCADA US switches b) Junction boxes	ridata recursest set. Denad Branis elbowas cannot be used to necessitiva or de-encentrac ricrusti a) SCADA underground switches are typically only installed at mariline intersections. The 3-way SCADA switch can have up to two positions enabled with SCADA due to the space constraints on the top of the switch. Additionally, a communications singuint to enable SCADA is not always available at the location where we would otherwise like to install a SCADA-enabled switch. While	Holly Wehrman	4/18/2023	4/21/2023	4/21/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2	Grid Design and System Hardening	Other Grid Topology Improvements to Minimize Risk of Ignitions
1	200	CalPA	Set WMP-16	CalPA_Set WMP- 16	5	CalPA_Set WMP-16_Q	Please explain PG&E's selection criteria for where to install the following equipment on	a) PG&E's standard is to install pad-mounted transformers on underground circuits where	Holly Wehrman	4/18/2023	4/21/2023	4/21/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
Part	201	CalPA	Set WMP-16	CalPA_Set WMP- 16	6	CalPA_Set WMP-16_Q	following questions on each project: a) How many SCADA underground switches will be installed? b) How many overhead switches will be removed?	requested information in a manner that allows it to be aggregated without a manual review of each project's engineering and construction documentation. Manually collecting the data across hundreds of projects would require significant time and resources and	Holly Wehrman	4/18/2023	4/21/2023	4/21/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
1	201	CalPA	Set WMP-16	CalPA_Set WMP- 16	6 SUPP		a) Howmany SCADA underground switches will be installed?	requested information in a manner that allows it to be aggregated without a manual review of each project's engineering and construction documentation. Manually	Holly Wehrman	4/18/2023	5/2/2023	5/1/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
10 10 10 10 10 10 10 10	202	CalPA	Set WMP-16		7		For each of the undergrounding projects that PGEA has planned for 2024, please answer the following questions on each project. 3 a) How many SCADA underground awtiches will be installed in each circuit. b) How many overhead switches will be removed?	PAGE objects to this request as overbroad and unduly burdensome. We do not maintain the requested information in a manner that allows it to be aggregated without a manual review of each project's engineering and construction documentation. Manually collecting the data across hundreds of projects would require significant time and resources and	Holly Wehrman	4/18/2023	4/21/2023	4/21/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.2		Undergrounding of Electric Lines and/or Equipment
Part Column Col	203	CalPA	Set WMP-16	CalPA_Set WMP- 16	8	CalPA_Set WMP-16_Q	3.1.2.3 - Distribution Polis Replacements and Reniforcements Page 352 of PG&E's WIMP states, "Pole replacement and reinforcement reduce outage likelihood which decreases the chances of the area being impacted in future PSPS events. These programs also support public and employee safety because they improve the overall health of the	2020 2021	Holly Wehrman	4/18/2023	5/5/2023	5/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.3		Distribution Pole Replacements and Reinforcements
Part	204	CalPA	Set WMP-16	CalPA_Set WMP- 16	9		8.1.2.10 - Other Grid Topology Improvements to Minimize Risk of Igritions 8.1.2.10.1 - Downed Conductor Detection Devices 9.1.2.10.1 - Downed Conductor	a) While EPSS has proven to be highly effective in lowering the incident energy during traditional faults and associated potential ignitions, reliable detection, and de energization of high impedance fault conditions continues to be a condition to that we are writing to chear, for not of EPSS.	Holly Wehrman	4/18/2023	4/21/2023	4/21/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.10	Grid Design and System Hardening	Other Grid Topology Improvements to Minimize Risk of Ignitions
Column C	205	CalPA	Set WMP-16	CalPA_Set WMP- 16	10	CalPA_Set WMP- 16_Q10	occurred from 2020 to 2022 in any HFTD area. A circuit outage is when the Substation circuit breaker trips and de-energizes the entire circuit due to a fault. For each circuit with an outage, the	sustained outages in a HFTD in 2020 through 2022. The undergrounding information in response to subsections G and H is based on the undergrounding workplan submitted in the 2023-2025	Holly Wehrman	4/18/2023	4/21/2023	4/21/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	N/A	QDR	N/A	N/A
Mid-A Data Repart No. 2	206	CalPA	Set WMP-16	CalPA_Set WMP- 16	11	CalPA_Set WMP- 16_Q11			Holly Wehrman	4/18/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	1	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
Modify Data Properties Part Properties	207	MGRA	Data Request No.	MGRA_Data Request No. 2	1	MGRA_Data Request No. 2_Q1	With regard to PG&E's response to CaPA_Set WMP-11_Q14: PG&E states that one of the significant changes to the grid required for REFCL is "The replacement of old, direct bury underground cable": Please explain the incompatibility of "old, direct bury underground cable" with REFCL.	During the demonstration project, we reviewed primary distribution equipment insulation ratings. During REFCL operation, line-to-ground voltage increases by 1.7 times, so the equipment must be able to withstand this increased voltage. A long run of old (1970 build), direct bury underground cable was denfriled during the review. The cable was tested for proceeding in entit revisidance and to in felta. The cable sendings will not pass the tests and won'd	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
Modify Data Properties Part Properties	208	MGRA	Data Request No.		2		With regard to PG&E's response to CaPA. Set WMP-11_Q14: PG&E states that one of the significant changes to the grid required for REFCL is "The replacement of oit, direct bury underground cable": Does PG&E have any recently undergrounded segments that are also "direct bury"? If you would these be incommability with PEFC12?	Direct bury of underground cable, meaning laying the cable directly in a drift trench and not inside a conduit, is not a standard, approved design for our underground electric distribution system at this point in time. As such, no, we have not recently undergrounded any electric distribution segments via direct bury. The direct bury underground cable design itself would not be incompatible with EEEC1. Inswere, many direct hus underground cable installations are not and the cable DEEC1.	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.8.1.3.1		Rapid Earth Fault Current Limiter
Page sear VAP Concerning Conf. Page sear VAP	209	MGRA	Data Request No.	MGRA_Data Request No. 2	3	MGRA_Data Request No. 2_Q3	significant changes to the grid required for REFCL is "The replacement of old, direct bury underground cable":	No, PG&E's undergrounding plans include cable in conduit with standard voltage ratings	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
MidRA Data Request No. 2	210	MGRA		MGRA_Data Request No. 2	4	MGRA_Data Request No. 2_Q4	Please provide non-confidential versions of the following documents: WMP-	Please see "WMP-Discovery2023_DR_OEIS_001-Q007Atch02_Redacted.pdf."	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_002.zip	1	N/A	Appendix B	for Risk Methodology and	Detailed Model Documentation
MGRA, Data Request No. 2 MGRA, Data Request	211	MGRA	Data Request No.	MGRA_Data Request No. 2	5	MGRA_Data Request No. 2_Q5	Please provide non-confidential versions of the following documents: WIMP- Discovery2023_DR_OEIS_001-Q007At:h03CONF.pdf	Please see "WMP-Discovery2023_DR_OEIS_001-Q007Alch03_Redacted.pdf."	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA 002.zip	1	N/A	Appendix B	Supporting Documentation for Risk Methodology and Assessment Definitions	Detailed Model Documentation
MGRA, Data Repairst No. 2 B MG	212	MGRA	Data Request No.	MGRA_Data Request No. 2	6	MGRA_Data Request No. 2_Q6	Please provide non-confidential versions of the following documents: WIMP- Discovery2023_DR_OEIS_001-Q007At:h04CONF.pdf		Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	N/A	Appendix B	Supporting Documentation for Risk Methodology and Assessment Definitions	Detailed Model Documentation
## MGRA, Data Repairs No. 2 8 MGRA, Data Repairs No. 2 8 MGRA, Data Repairs No. 2 9 MGRA, Data Repairs No. 2 1 MGRA, Data Re	213	MGRA	Data Request No.		7		Please provide a GIS file of 2022 outages occurring on circuits where EPSS was enabled.	The method of providing a geospatial file with the location of 2022 outages on EPSS enabled circuits would require the disclosure of device location and therefore the geospatial representation of outage location that would be provided in this response to this data request insolves the identification of Critical Energy infrastructure Information (CEII), which we are required his bark to maintain as confidential and cannot provide without the requestion party.	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA 002.zip	0	N/A	8.1.8.1.1		Protective Equipment and Device Settings
215 CBS 003 CBS 003 1 CBS 003 1 CBS 003 1 CBS 003 1 CBS 004 CB	214	MGRA		MGRA_Data Request No. 2	8	MGRA_Data Request No. 2_Q8		Please see "WMP-Discovery2023_DR_MGRA_002-Q008Atch01.kmz."	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	N/A	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
216 OEIS 003 CEIS 003 2 CEIS 003	215	OEIS	003	OEIS_003	1	OEIS_003_Q1	On page 624, PG&E states it "is currently working with internal and external stakeholders, including CalOES, to develop and implement activities that exceed compliance requirements in	to provide as part of their emergency plans a description of internal coordination functions how they gather, process, and disseminate information within their service areas, set priorities, allocate resources, and coordinate activities to restore service. GO 166 Standard 1D. External	Colin Lang	4/21/2023	4/26/2023	4/26/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 003.zip	0	N/A	8.4.1.1	Emergency Preparedness	Objectives
217 OEBS 003 OEB_003 3 OEB_003 3 OEB_003 0 S OEB_003 3 OEB_003 0 S	216	OEIS	003	OEIS_003	2	OEIS_003_Q2	On page 624, PG&E states that there are, "current plans for wildfire-related activities beyond the objectives in Table 8-33 and Table 8-34."	or our www. - Cybersecurity (NERC CIP-008 compliance), EMER-3102M - Disaster Rebuild, EMER-3012M	Colin Lang	4/21/2023	4/26/2023	4/26/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 003.zip	0	N/A	8.4.1.1	Emergency Preparedness	Objectives
PGSE enulsiate the scope of the wildre energency and partners will Community Based Postparations (CR09) by a Cells (S03) Q4 and S04 an	217	OEIS	003	OEIS_003	3	OEIS_003_Q3			Colin Lang	4/21/2023	4/26/2023	4/26/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	4	N/A	8.4	Emergency Preparedness	N/A
PORE's conferentian with 211 proposeds confidences intenting in a formation of the policy of the pol	218	OEIS	003	OEIS_003	4	OEIS_003_Q4	Regarding Support for Medical Baseline Customers a. How does PG&E support Medical Baseline (MBL) customers during wildline emergencies?	PGSE evaluates the scope of the withire emergency and partners with Community Based Cognizations (CSGO) is advised services based on the widther footprist and estimated customer impact. Two contact centers are activated during emergencies to provide 24/7 emergency live agent service for customers to report emergencies and obtain information on support resources. PGSES numbership with 211 connects customers identified as Across and Ejectional Mend. Please see altainment "WIMP-Discoord/202 SIQ. CSIG 3004-3005Abb/C10/CNI 2pt for the CROSS and PGSES and PGSES and PGSES are seen as a possible of the possible possible of the possible	Colin Lang	4/21/2023	4/26/2023	4/26/2023	safety/emergency-preparedness/natural-	0	N/A	8.4.6	Emergency Preparedness	Customer Support in Wildfire and PSPS Emergencies
Regarding Energency Operations Customer Surveys OEIS 003 0EIS 003 5 0EIS 003 5 0EIS 003 5 0EIS 003 5 0EIS 003	219	OEIS	003	OEIS_003	5	OEIS_003_Q5	a. Provide an example of each customer survey sent in 2021 and 2022 regarding emergency	following survey questionnaires and executive summaries for surveys regarding outreach effectiveness and general customer awareness of PSPS: - 2021 PSPS Pre-season Questionnaire and Executive Summaries:	Colin Lang	4/21/2023	4/26/2023	4/26/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	N/A	8.4.4	Emergency Preparedness	Public Emergency Communication Strategy

220	OEIS	003	OEIS_003	6	OEIS_003_Q6	Regarding PG&E's Areas of Concern a. Provide a GIS layer of PG&E's Areas of Concern (AOC) with the following attributes for each AOC polygon. L. Namer of the AOC. Regarding Focused Tree Inspections	a. Please reference "WMP-Discovery/2023_DR_OEIS_003-0006Atch01.xiss." and "WMP- Discovery/2023_DR_OEIS_003-0006Atch02.zip1 for the requested information. Specifically for Overal UBility Risk, legislino Risk, and PSPS Risk, these are typically presented in terms of circuit segments or circuit protection zones. The AOC polygons do not always align with CPP segments is crimital segments can be cartisally included or correlated included.	Colin Lang	4/21/2023	4/28/2023	4/28/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation: plan/reference-docs/2023/OEIS_003.zip	3	N/A	8.2	Vegetation Management and Inspections	N/A
221	OEIS	003	OEIS_003	7	OEIS_003_Q7	During the decision process to discontinue use of the Tree Assessment Tool (TAT) and adopt the ISA's Basic Tree Risk Assessment Form (ISA form), did PG&E consider incorporating	CPZ secrements on circuit secrements can be neutral to included or completely included. A text, as part of romal practice, sec considered enhancing for AT by incorporating additional elements of the ISA Form in 2022. A text size the TARA form will not be digitated for the Focused Tree Inspection Program (FTI). It is the current plan that FTI inspections will be performed by 100% TRAQ certified arboriets and the TARA form will not be used as a galder.	Colin Lang	4/21/2023	4/27/2023	4/27/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/OEIS 003.zip	1	N/A	8.2	Vegetation Management and Inspections	N/A
222	OEIS	003	OEIS_003	8	OEIS_003_Q8	Regarding Confidential Stakeholder Data Requests	The confidential material is being provided pursuant to the accompanying confidentiality declaration. Please see requested attachments: I. WMP-Discovery2023 DR Callsdvocates 002-Q001.pdf	Colin Lang	4/21/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	7	Wildfire Mitigation Strategy Development	N/A
223	OEIS	003	OEIS_003	9	OEIS_003_Q9	a. Provide the inspection checklists used for both PG&E's patrols and detailed inspections.	WMM.Discovero/2023. DR. Calikhorcates. D02.0007Airch01/CONE.ceff. THE CONFIDENTIAL MATERIAL IS BEING ROYUDED PURSUANT TO THE ACCOMPANYING CONFIDENTIALITY DECLARATION. Distribution inspection Program a) Please see affactment "WMP-Discovery2023 DR OEIS 003-Q009Airh01.xtsx" for the	Colin Lang	4/21/2023	4/26/2023	4/26/2023	plan/reference-docs/2023/OEIS 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	5	N/A	8.1.3	Asset Inspections	N/A
224	OEIS	003	OEIS_003	10	OEIS_003_Q10	b. If PG&E tailors its inspections specifically to inspect wildfrer risk specific items, identify which items within the nebridist this acrolles, to norticistent if each differs from attender GCB. Regarding PG&E's Asset Inventory a. Provide a lat of alf felds that PG&E's asset inventory captures (i.e. equipment, equipment type, age, installation date). b. Provide a lat of all pless of equipment captured within PG&E's asset inventory.	In receives see administration with received by the control of the	Colin Lang	4/21/2023	5/10/2023	5/10/2023	plan/reference-docs/2023/OEIS 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	2	N/A	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A
225	OEIS	003	OEIS_003	11	OEIS_003_Q11	- Provide a necrostration in which BCAE. It mission notate for each data field listed in next (a) within Regarding PCAE Responses to P-William 2023-PCAE ROUGH or and a PCAE states that a Critical Attribute is defined as "a condition that could lead to either an injuried provided in the potential fine griphs." Provide all a Regarding PCAE is Response to P-William 2023-PCAE ROUGH or and instruction of the potential provided in the provided provided in the provided provided in the provided provi	and attribute, dath. Asset Receitors data is proceeded storation in CIE distributes that are. For distribution, or ratified attribute in syngention that before its a condition that could lead to other an applican part or were clear situation that could resid in a potential fire lyption. The determination of citical attribution was considered that of the condition of the could be a condition of the condition of	Colin Lang	4/21/2023	4/26/2023	4/26/2023	plan/reference-docs/2023/OEIS_003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mittigation-	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-2221 Asset Inspections Quality Assurance and Quality Control ACI PG&E-2208 Better
226	OEIS	003	OEIS_003	12	OEIS_003_Q12	a DGSE states that it is still performing broaded an imment require relating to EDSS. Is this a	a (i) (ii) (iii) EDSS targeted equipment require are incorporated into the Open Work Orders Tag	Colin Lang	4/21/2023	4/26/2023	4/26/2023	plan/reference-docs/2023/OEIS 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	N/A	Appendix D	Areas for Continued Improvement	Analication of Specific Lessons ACI PG&E-22-32 – Updates on EPSS Reliability Study
227	OEIS	003	OEIS_003	13	OEIS_003_Q13	Regarding PG&E's Response to P-WMP_2023-PG&E-002-Q08 a. Provide all Enhanced Ignition analysis (EIA) reports completed for instances in which the	declaration.	Colin Lang	4/21/2023	4/26/2023	4/26/2023	plan/reference-docs/2023/OEIS 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-2208 Better Application of Specific Lessons Learned from Utility-Caused Fires
228	OEIS	003	OEIS_003	14	OEIS_003_Q14	compared for instances in which the qualitative was an 12-ss protected stating. Regarding PGSE Fault Ramer Replacements a. Provide the numbers of fault tamers PGSE has replaced by year since 2020. b. Provide PGSE tragets for fault thamer replacements in 2023 and 2024, as applicable. c. Provide the number of fault tamer devices within PGSE's HFTD. d. Browlide the number of fault tamer devices within PGSE's HFTD. d. Browlide the number of fault tamer devices within PGSE's HFTD.	In legislate of Ludenburk or Care Heigh Sealing's access of Land Heighest, Essayari (by, Pedale (Heigh) concerns and listed but such Leinblin unsert mailled to the leckeds in the represent. The pronounsis, a. We interpret replaced to mean a proactive changing of an in-service fault tamer faue that had not falled or operated normally due to a fault. In July 2011, I neceptore to our 2000 call would be considered to the control of the proposed our proposed to our 2000 call would be certified to the control of the proposed our proposed our 2000 call would be certified to the certified our proposed our proposed our 2000 call the certified to an extra fault for the certified to be locally large certified on the face.)	Colin Lang	4/21/2023	4/26/2023	4/26/2023	plan/reference-docs/2023/OEIS 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	N/A	N/A	N/A
229	OEIS	003	OEIS_003	15	OEIS_003_Q15	Regarding PG&E's V4 of its Wildfire Distribution Risk Model (WDRM) a. What is PG&E's status for review and approval of V4?	a. The WDRM v4 is currently in review and validation prior to an anticipated approval in Q2 2023. b. The WDRM v4 will be available as an input to the underground program development after approval in Q2 2023. Beyond the response provided to ACI PG&E-22-34, the impact to the	Colin Lang	4/21/2023	4/26/2023	4/26/2023	plan/reference-docs/2023/OEIS 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	6.2.1	Risk Methodology and Assessment	Risk and Risk Component Identification
230	OEIS	003	OEIS_003	16	OEIS_003_Q16	Regarding PG&E's response to OEIS Data Request 2 Question 5 Attachment 1 a. How did PG&E determine a mitigation effectiveness of 11.8% for down conductor detection	a) The mitigation effectiveness for down conductor detection was based on the incremental benefit to EPS. The mitigation effectiveness was determined by reviewing the ignitions that occurred during EPSS enablement periods. Out of the 30 ignitions reviewed, 14 of them are high	Colin Lang	4/21/2023	4/26/2023	4/26/2023	plan/reference-docs/2023/OEIS 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.10	Grid Design and System Hardening	Downed Conductor Detection Devices
231	OEIS	003	OEIS_003	17	OEIS_003_Q17	h. In Table 6.4. 9/23E has included 2003-2004 and 2009 harnest for IVCN Additionals in Regarding undefined terms in 8.4.6 PG&E discusses "red tagged" customers, "impacted" communities, and "impacted" customers (included a list and additional additional and additional additional and additional additional and additional additional additional and additional additiona	mother award randow. That resistance conclident the fault characteristic radiation to DCPUs solitile to Red Tag: For natural disasters, including wildlines, in which the Governor or POTUS declares a State of Emergency, the official definition comes from 0.19-07-015 (page 16) "when a disaster(s) has resulted in the destruction or damage of a structure, such that utility service is	Colin Lang	4/21/2023	4/26/2023	4/26/2023	plan/reference-docs/2023/OEIS 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.4.6	Emergency Preparedness	Customer Support in Wildfire and PSPS Emergencies
232	CalPA	Set WMP-17	CalPA_Set WMP- 17	1	CalPA_Set WMP-17_Q	terms are not resided.	Support the property of the Committee of	Matthew Taul	4/21/2023	4/28/2023	4/28/2023	plan/reference-docs/2023/OEIS 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
233	CalPA	Set WMP-17	CalPA_Set WMP- 17	2	CalPA_Set WMP-17_Q2	PGME's WINRM VX ranks circuit nontectine zones (ICPZs) based on risk measured across 12 risk in general, identify all the factors PG&E considers when deciding that a CPZ with a large average 2 risk; profile or large total risk in WDRM V3 should not be prioritized in PG&E's 2023 WIMP project selection.	the WFE analysis, for operational efficiency, included Circuit Protection Zones (CPZs) were	Matthew Taul	4/21/2023	4/28/2023	4/28/2023	plan/reference-docs/2023/CalAdvocates 017.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
234	CalPA	Set WMP-17	CalPA_Set WMP- 17	3	CalPA_Set WMP-17_Q	<=8EGIN CONFIDENTIAL>> 3 In Table 2 above, select CPZs that PG&E has decided to pursue Undergrounding in its first 2100 miles of UG projects of are compared by: - Consultation sides own for the CPZ in WIDSM VX.	interpret this question as involving "composite risk" scores. Any difference between these two	Matthew Taul	4/21/2023	4/28/2023	4/28/2023	plan/reference-docs/2023/CalAdvocates 017.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
235	CalPA	Set WMP-17	CalPA_Set WMP-	4	CalPA_Set WMP-17_Qe	In general, identify all the factors PG&E considers when deciding that a CPZ with small total risk 4 profiles and small average risk profiles in WDRM V3 should be prioritized in PG&E's 2023 WMP project selection.	herms is not material to our resconses. We are selecting localizers in 2022 and 2023 based on the Wildfire Feasibility Effectiveness (WFE) analysis, which leveraged WDRM V3 sisk data, to prioritize for project selection. As part of the WFE analysis, for operational efficiency, individual Circuit Protection Zones (CPZs) were bundled bigether for project selection and design.	Matthew Taul	4/21/2023	4/28/2023	4/28/2023	plan/reference-docs/2023/CalAdvocates 017.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 017.zip	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
236	TURN	006	TURN_006	1	TURN_006_Q1	Regarding the System Hardening Decision Tree provided as Attachment 3 to the response to TURN data request 5-1, please define the following acronyms used in the Decision Tree: a_PSS b_FSD c_BSCN0	Once builded tooether with adiscent CPZs, but are also identified for tamented undernorunding a PSS = Public Selectly Specialist PCSE PSS team remembers with extensive, local widther operations experience. Many had a previous career with CAL FIRE or other fire agencies. b. FSD = Field Scoping Deatlop Meeting, Meeting to scope potential undergrounding project sites had in office as opposed to in the field.	Tom Long	4/21/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/TURN 006.zip	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
237	TURN	006	TURN_006	2	TURN_006_Q2	Regarding the System Hardening Decision Tree provided as Attachment 3 to the response to TURN data request 5-1 and discussed in that response: a. Does PG&E intend to use this Decision Tree for future projects during the 2023-2025 period for selecting which system hardening mitigation to usefor a given location?	The distribution as upposeds of a rise free. 2. E2600 = Commont. Another Ockson. The was used to SCIENT SHEET SH	Tom Long	4/21/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfree-wildfire-mitigation- plan/reference-docs/2023/TURN_006.zip	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
238	TURN	006	TURN_006	3	TURN_006_Q3	b. If he arouse to "a" is suption offset than an unexaluncation," risease portain each and nume. Regarding the Undergrounding Decision Time provided as Atlachment. 1 to the response to TURN data request 5-1 and discussed in that response: a. Please provide a time range in months for each of the "Key Phases" isted in the box in the lower left comer.	System in coloring leadable in ten of adva are not decided from the coloring and coloring and coloring and a coloring and	Tom Long	4/21/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_006.zip	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
239	TURN	006	TURN_006	4	TURN_006_Q4	Place define the februies and making points.	anisotate in the statebest about introde abortion. Indic not lease 2.5 imprints not be been operated in percentation concernion to serve customers on a radially fed circuit with no available field-side operational fees (AVA *back-lea*). EASOP — Economic Analysis Software Program — Program used by PGAE to evaluate project recognition. A GEC — Doverstone Emember U. Service — Beninnal investigation serves and all stray Services — An Older type of insulated service search conductor that the more susceptible to all stray Services — An Older type of insulated service search conductor that the more susceptible to the service of the service of	Tom Long	4/21/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/TURN 006.zip	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
240	TURN	006	TURN_006	5	TURN_006_Q5	a. Gray services b. Tree-connects	water ingress and deterioration. b) Tree-connects – in this context, a service or secondary wire that is tied / connected directly to	Tom Long	4/21/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/TURN 006.zip	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
241	TURN	006	TURN_006	6	TURN_006_Q6	c. "Brasilasawi." consectors. Regarding the response to TURN data request 5-6: a. Please explain what is meant by the word "topped" in the phrase: "Determining the poles that will be topped." b. In PGAE unable to offer even a rough approximation of the percentage of existing poles in the affected distribution control. Line 10 feet on the control of the percentage of existing poles in the affected distribution control. Line 10 feet on poles transferred.	support the remaining connections. b. No, PG&E is not able to offer a rough approximation that is reasonably accurate of the	Tom Long	4/21/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_006.zip	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
242	TURN	007	TURN_007	1	TURN_007_Q1	(R1) and provided in Excel format in response to TURN Data Request 2-4: a. Please explain how, if at al. eliter or both of Simplified Wildine Rick Spend Efficiency (SWRSE) and Wildfire Fealshilty Efficiency (WFE) values (discussed on p. 998 of the WMP)	percentions of existing colors on the immanded distribution circuits that will be removed as net of The confidential attendment be being provided pursuant to a signed NDA with PG&E. The circuits listed in Table 7-2 are the same circuits listed in Table 7-4 where additional detail is provided. a. And described in ACI 22-24, PG&E used the SVRSE and WFE to identify where we could most efficiently advanced in the results of the country	Tom Long	4/21/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/TURN 007.zip	1	Yes	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
243	TURN	007	TURN_007	2	TURN_007_Q2		afficiently nations right at recentlin bounties. We aslanted the country in the Mark Country and the Mark Country in the Mark	Tom Long	4/21/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/TURN_007.zip	1	N/A	7.1.3	Wildfire Mitigation Strategy Development	Risk-Informed Prioritization
244	TURN	007	TURN_007	3	TURN_007_Q3		The confidential attachment is bring provided pursuant to a signed NDA shall PGSE. a. Pease refer to attachment "NMP-Discovery/1022 DR, TURN 007-0003Abch01CONF-star" which is the System Hardening workplan prepared for the 2022-2026 WINP [John dated January], 3, 2023). Pease see columns AH-AK and AL-AO that includes the 2025 and 2026 forecasted mister, secreption.	Tom Long	4/21/2023	4/27/2023	4/27/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_007.zip	1	Yes	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
245	TURN	007	TURN_007	4	TURN_007_Q4	suggests that this fresponse to Las Androcases was lawful from a outcommer mail aside includes the senses 30°% and 50°C. Blease smooth be mored in advantage received in the sense of this wardend for the next the senses 30°C and 50°C. Blease smooth be mored in advantage (and 10°C. Blease of the sense o	3.20.25) Predate Sec column in Privince and Inc. Privince in the Cause and Zucze Indeceded and John School (Editor) an	Tom Long	4/21/2023	4/26/2023	4/26/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_007.zip	0	N/A	6.4.2	Risk Methodology and Assessment	Top Risk-Contributing Circuits/Segments
246	CalPA	Set WMP-18	CalPA_Set WMP- 18	1	CalPA_Set WMP-18_Q	FIGURE States in response to Countrion (1s) of Californiane-PIGE 2023/MIN-15: Voyation Management for Operational Militagoline (MXXII) but be primarily broaded in HFTD and 1 HFFA. There are instances where a circuit segment may cross in or cut of HFTDHFRA and VMM would complete work on the whole circuit segment may be completed in the HFTDHFRA Expressed Time International Countries of the International Countries of the International Countries of t		Holly Wehrman	4/24/2023	4/27/2023	4/27/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 018.zip	0	N/A	8.2.2.6	Vegetation Management and Inspections	Discontinued Programs
247	CalPA	Set WMP-18	CalPA_Set WMP- 18	2		to track trees identified for wint under VMLMI and FTI using the UnlevM stock. Please provide the following regarding the OneVM took. a) its purpose(s) I how the hotylworks (if in what mechanisms or proportions it will use to achieve outputs).	vacanion strough a single sortware patrom trait incorporates VM work management systems into one. With increased integration between our databases and data, additional visibility of that work is being performed at what times could be achieved to reduce the risk of overlapping programs, reduce potential of discription to our customers, and enable better risks informed plasming and	Holly Wehrman	4/24/2023	4/27/2023	4/27/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/willdfires/willdfire-mitigation- plan/reference-docs/2023/CalAdvocates_018.zip	0	N/A	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
248	CalPA	Set WMP-18	CalPA_Set WMP- 18	3	CalPA_Set WMP-18_Q	PG&E states in its response to Question 5(a)(i) of CalAdvocates-PGE-2023WMP-15: "VM 3 EPSS-enabled outage data was used to determine both a planned unit forecast and identify CPZs where EPSS VM Outages took place."	'Planned unit forecast' refers to an estimate of the number of trees that may be worked under the program. The word 'forecast' is used because the exact number of trees is unknown until inspection has occurred.	Holly Wehrman	4/24/2023	4/27/2023	4/27/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/willdfires/willdfire-mitigation- plan/reference-docs/2023/CalAdvocates 018.zip	0	N/A	82224	Vegetation Management and Inspections	Tree Removal Inventory
	CalPA	Set WMP-18	CalPA_Set WMP-	4	CalPA Set WMP-18 Q	PG&E states in its response to Guestion 7(a) of Call-Avocates-PGE-2029WMP-15 that its forecasted 9-year pace of work for its Tree Inventory Program was provided for the first three years of the program with intent to ramp up annual pace, 9 years is a Starting point to plan the pace of work completion however, the lessons learned will inform the completion timing."	a) Nine years was selected as the starting point based on a realistically achievable average pace of approximately 33,000 trees removed per year (33,000 x 9 = 297,000) with the pace and duration of the program to be re-evaluated as needed used on the issons barned from the initial years of the program. As of August 29, 2022, when the Tree Removal Inventory (TRI)	Holly Wehrman	4/24/2023	4/27/2023	4/27/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural: disaster/wildfires/wildfire-mitigation:	0	N/A	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory

250	CalPA	Set WMP-18	CalPA_Set WMP-	5	CalPA_Set WMP-18_Q	In response to question 19(b)(iii) of CaliAdvocates-PGE-2023WMP-15, PG&E states: The difference (in projected vegetation management costs) of \$24,861,000 between 2023 and 5 2024 is due to several factors, this is how PG&E will achieve this reduction; (1) Transitioning from EVM to three new programs; (2) reducing the amount of Routine VM work conducted each five of the PGM to the VM to the PGM to PG	a-b) Year Number of Undergrounding Miles to be	Holly Wehrman	4/24/2023	4/27/2023	4/27/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.5.2	Vegetation Management and Inspections	Quality Control
250	CalPA	Set WMP-18	CalPA_Set WMP-	5 SUPP	CalPA_Set WMP-18_Qt	commensurate with the amount of underzoundino miles completed, and (3) treducino unit costs. In response to question 19(b)(iii) of Calidvocates-PGE-2029WMP-15, PGES states: The difference (in projected vegetation management costs) of \$24,861,000 between 2023 and 2024 is due to peuperal factors; this is how PGAF-will achieve this motivation (1) Transitioning from	Consisted. 3. The EVM program concluded in 2022 and would not contribute to a savings between 2023 and 2024. The reduction in Routine work and Second Patrol work, reduction in utilitizeds and representation for the programmatic efficiencies are excepted to northitude to the SEAMM in	Holly Wehrman	4/24/2023	4/28/2023	4/28/2023	plan/reference-docs/2023/CalAdvocates 018.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation-	0	N/A	8.2.5.2	Vegetation Management and Inspections	Quality Control
251	CalPA	Set WMP-18	CalPA_Set WMP-	6	CalPA_Set WMP-18_Qt	EVM to three finely programs. (c) featuring the amount of Househ with work conducted sealing year commensurate with the amount of understreamdon miles composited, and (II) subjudices part over the effective of the amount of the file effective of in projected vegetation management costs of 54 x8 80 x00 between 2023 and 2024 to do so several factors (3) reducing unit costs through definencies over the rate case perfect for dough the proper encourage.	savings that is shown in this table. Auffort Part Entity (FORE anticipates reducing costs on EVM Transitional, Routine, Tree Mortality, and VC pole clearing programs b) (I he three EVM transitional programs are Vegetation Management for Operational Mitigation	Holly Wehrman	4/24/2023	4/27/2023	4/27/2023	plan/reference-docs/2023/CalAdvocates 018.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.5.2	Vegetation Management and Inspections	Quality Control
252	CalPA	Set WMP-18	CalPA_Set WMP-	7		period through largeted programmatic adjustments that refine processes and improve resource efficiency. Please provide the following information regarding actual and projected costs for each WMP initiative under Chapter 8.2 (Vegetation Management and inspections). Each initiative should be a row in the table below.	clearing programs b). I. The tree EVM transitional programs are Vegetation Management for Operational Mitigation (VMAM). It her Removal investing VMAM is a few cause of the inspection VMAM is reconstructed in the VMAM is a few control of the inspection VMAM is reconstructed in the VMAM is report vegetation unanagement francisch passuant to the CESS disableties in Table 11 of the Caustrelly folial Report in the data below, we provide additional high-herit information into the Caustrelly folial Report in the data to include any control of the VMAM is reconstructed in VMAM in VMAM in VMAM in VMAM is reconstructed in VMAM in VMAM in VMAM in VMAM is reconstructed in VMAM in	Holly Wehrman	4/24/2023	4/27/2023	4/27/2023	plan/reference-docs/2023/CalAdvocates 018.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2	Vegetation Management and Inspections	N/A
253	TURN	008	TURN_008	1	TURN_008_Q1	WWD Installer Marrhot. Please provide PGES most recent calculation of RSEs for Undergrounding, by year from 2023- 2025, at the most granular level for which PGEE has computed them. For this question, "Undergrounding refers to all programs and underground distribution lense for wideline mitgation purposes and/or fire rebuild purposes. Please provide the workpapers with the supporting inputs and calculations of themse RSEs, is PGES referred from the Computer of the PGES referred from the Computer of the PGES is a PGES referred from the Computer of the PGES referred from the PGES referred fro	Inne. Please note that due to the nature of vegetation management work the costs isted are all (Decention: Democracy and On Castolis Internetiones. Also note this behavior Lordnes note.) Our most recent calculation of RSEs for Undergrounding is shared in our 2023 GRC. Supplemental Figin from February 2022. The most granuate level at which we calculated RSEs is at the transfe level. This is summarized in attachment "VMP Discoverp2023. OR TURN, 008- Q001Acth01." The RSE results are summarized to the RSE results that with the RSE across	Tom Long	4/24/2023	4/27/2023	4/27/2023	plan/reference-docs/2023/CalAdvocates 018.zip https://www.oge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	2	N/A	7.2	Wildfire Mitigation Strategy Development	Risk Impact of Mitigation Initiatives
254	TURN	008	TURN_008	2	TURN_008_Q2	Please provide PG&E's most recent calculation of RSEs for Covered Conductor, by year from 2023-2025, at the most granular level for which PG&E has computed them. Please identify all activities that PG&E includes in the calculation of RSEs for Covered Conductor. Please provide	QUUI ABDIVIT: The Kisse results also summarized in the Kisse Kessets state with the Kisse across 20722/20726 Abbits in incells 1471-127. Our most recent calculation of RSEs for Covered Conductor is shared in our 2023 GRC Supplemental Filing in February 2022. The most granular level at which we calculated RSEs is at the transhe level. This is summarized in attachment "WMP Discovery2023 DR. TURN 08- 001/Abdivit". The RSE results are summarized in the RSE Results' table with the RSE across	Tom Long	4/24/2023	4/27/2023	4/27/2023	plan/reference-docs/2023/TURN 008.zip https://www.oge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/willdfires/wildfire-mitigation-	0	N/A	7.2.2	Wildfire Mitigation Strategy Development	Risk Impact of Mitigation Initiatives
255	TURN	008	TURN_008	3	TURN_008_Q3	the workpapers with the supporting inputs and calculations for these RSEs in Excel format. Regarding the Undergrounding Decision Tree provided in response to Data Request 5.1, Alch 1, is there an error in the alternative response to the question at the fair right. "Will a route or project scope change mitigate impediments" it appears that the "Yes" and "No" alternatives	Cool Market 1 - The Neet results are summinized in the Neet Neet as allowed the Neet across 20022-20226. Abuse in code 14414-141. The decision free is correct as originally submitted.	Tom Long	4/24/2023	4/27/2023	4/27/2023	plan/reference-docs/2023/TURN 008.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2	Grid Design and System Hardening	ALL
256	TURN	008	TURN_008	4	TURN_008_Q4	should be flipped. If there is an error, please provide a corrected Decision Tree. The first paragraph of the response to TURN data request 5.4 states that, historically, PG&E has observed more frequent (spitions and larger wildfires associated with the overhead primary distribution powerlines, compared to lower voltage secondary distribution lines, service connections and high voltage transmission lines.	a. This statement was based on our CPUC reportable lightions in High Fire Threat Districts (HFTDs) across PGAE's service territory in 2019-2022. See Worksheet a of attachment WMP-Discovery/2023_DR_TURN_008-Q004-Auch01 stax. The detailed data by lightion can be found in worksheet entitled Teball_CPUC HFTD 2015-2022. As shown in the table on	Tom Long	4/24/2023	4/27/2023	4/27/2023	plan/reference-docs/2023/TURN_008.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	N/A	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
257	TURN	008	TURN_008	5	TURN_008_Q5	connections and high voltage transmission lines. a. Please provide, in the Serel forms, the data on which this statement asis based, and croxide in response to TURN DR 4-4, after stating that PAGE is not undergrounding service drops and is not undergrounding service drops and in rot undergrounding secondary lines in most casee, PAGE states in the last paragraph, "We overhand remaining secondary and service has been by replacing one-wire secondary, gray services, and tree-connects with the control standard covered aental conductor." (enghasis	can de locid en welcement effected (*Leisu (LPUL) en 11 x /Leis (LPUL) - x (12 x /Leis (LPUL) - x (13 x /Leis (LPU	Tom Long	4/24/2023	4/27/2023	4/27/2023	plan/reference-docs/2023/TURN 008.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
258	TURN	008	TURN_008	6	TURN_008_Q6	added.' SCE's WMP (R0), p. 252, states that: "SCE has determined that lines with covered conductor have a 90% risk in PSPS activations. When a circuit (or fully isolatable circuit segment) is all covered conduct, the de-energization threshold is increased to 40,58 mph (sustained wind(susts)." a Please movide any data studies or report in PSAE's prospession that address whether lines.	jare notins remain rearchesed. Those "termaintoir, secondate and service likes will be hardered by a we have not performed statises or have report to support whether lines will be horered conductors experienced a reduction in PSPS activations. We have not performed statises or have report to support whether any de energization thresholds should be changed for circuits (or portions thereof) with covered conductor. We carried to also an adulation bereatiots for circuits with covered conductors for the reasons.	Tom Long	4/24/2023	4/27/2023	4/27/2023	plan/reference-docs/2023/TURN 008.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN 008.zip	0	N/A	8.1.2.1 & 9	Grid Design and System Hardening & PSPS	Covered Conductor and PSPS
259	CalPA	Set WMP-19	CalPA_Set WMP-	1	CalPA_Set WMP-19_Q	Please list PG&E's expected average useful life for a given installation of the following technologies: a) DCD b) REFCI	currently do not loan, on adjusting theresholds for circuits, with coverent conductors, for the reasons, a) DCD technology is provisioned on protective relay equipment. Expected useful life based upon similar technology obsolescence, as well as asset health and lifecycle, is projected to be 20-30 years. DI REFCL exceeded useful life of the core components is estimated to be 30 years.	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	pish/reference-docs/2023/104N USB.2ip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip	0	N/A	8.1	Grid Design, Operations, and Maintenance	Down Conductor Detection Devices Rapid Earth Fault Current Limiter
260	CalPA	Set WMP-19	CalPA_Set WMP- 19	2	CalPA_Set WMP-19_Q2	a) In 2023, what is the average per-circuit-mile cost that PG&E expects to incur for asset inspection and maintenance for a covered conductor distribution line installed in the HFTD? b) in 2023, what is the average per-circuit-mile cost that PG&E expects to incur for asset inspection and maintenance for an underground distribution line installed in the HFTD?	a) Conductor is inspected as part of our General Order (GO) 165 detailed ground inspections and patrols program. It is also inspected during infrared inspection. These inspection processes currently on ord differently alte between covered conductor and barre conductor. The cost that we expect to incur for distribution overhead asset inspections in HFTDs.	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	https://www.ope.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip	0	N/A	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A
261	CalPA	Set WMP-19	CalPA_Set WMP- 19	3	CalPA_Set WMP-19_Q	In SPECIAL materials are to an order journey assistance in the residence of the PPT DY . 1) Staff the ball cost left the same flower post in which cost that DYSER sensets to his term for several as Staff the ball cost left the same flower post in the post that post in special content of the ball cost the flower product of the ball cost the installed in the HFTD. 5) Shall the ball cost the did cost of cost in miss of covered conductor distribution lines that PG&E had in the HFTD as of January 1, 2022.	conductor. The cost that we expect to incur for distribution overhead asset (respections in HFIDs AI 1922, we were 1441 fails for seat injection and minimum of an arbitration conductor has been seen as the seat of the HFIDs. We do not differential costs between covered and were conductor, so there costs are for all cases in the HFIDs. Thirty we only included the minimum cost associated with general contents of Excitor Cornective (EC) Notifications. These costs are tracked PRGE is amending patient, and and of an ordinated in the HFIDs are the seat of th	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip	0	N/A	8.1.2	Grid Design, Operations, and Maintenance	Grid Design and System Hardening
261	CalPA	Set WMP-19	CalPA_Set WMP- 19	3SUPP	CaIPA_Set WMP- 19_Q3SUPP	a. State has half casts, than DASE incurred in 2022 for seek inspection, and maintenance, on. and State the ball costs than PGASE incurred in 2022 for seek inspections and maintenance on covered conductor distribution lines installed in the NFTD. b) State the ball otherwise of circulamined or clowered conductor distribution lines that PGASE had in the NFTD as of January 1, 2022. 1.022 as the DASE of the DASE incurred in 2022 for asset inspections, and maintenance on.	PGAE is amending subgust b, d and f of our original response. Although there is not a specific stribute in GGS to distinguish covered and bare conductors, we were able to stillize the conductor type codes to differentiate between covered and bare conductors. a) in 2022, we person EQ41 million for seast inspections and maintenance or distribution coverhead (lose is tabled in the LHFTD. We do not differentiate costs a) Based on 2019-2022 data, or cost for vegetation management maintenance systematic was	Holly Wehrman	4/25/2023	5/10/2023	5/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_019.zip	0	N/A	8.1.2	Grid Design, Operations, and Maintenance	Grid Design and System Hardening
262	CalPA	Set WMP-19	CalPA_Set WMP- 19	4	CalPA_Set WMP-19_Q-	a) in 2020, which are are rigge per-circulative cost that i Code expects to incornor regulation	a) Based on 2019-2022 data, our cost for vegetation management maintenance systematick was approximately \$8,500 per mile. We expect in incur similar costs in 2023. Costs for vegetation management are not forecast separately between HFTD and Non-HFTD. b) We do not separately forecast an average per-circuit mile cost incurred for vegetation management for an underconcurd clicity timo line installed in HFTD.	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_019.zip	0	N/A	8.2	Vegetation Management and Inspections	N/A
263	CalPA	Set WMP-19	CalPA_Set WMP- 19	5	CalPA_Set WMP-19_Q!	distribution lines in the HFTD. b) State the total costs that PG&E incurred in 2022 for vegetation management on underground distribution lines in the HFTD.	a) We do not separately track costs incurred in HFTD vs. Non-HFTD for vegetation management on overhead distribution lines. b) We do not separately track costs incurred in HFTD vs. Non-HFTD for vegetation management on underground distribution lines.	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_019.zip	0	N/A	8.2	Vegetation Management and Inspections	N/A
264	CalPA	Set WMP-19	CalPA_Set WMP- 19	6		a) Please describe the vegetation management activities that PG&E currently undertakes on rigidal-lawy with underpoind lines in the HFTD. b) Please describe any changes PG&E plans to make during the 2022-2025 WIMP period regarding the vegetation management activities that PG&E plans to undertake on rights-d-way Peace 454-456 PG&E WIMP period regarding the vegetation management activities that PG&E plans to undertake on rights-d-way Paces 454-456 PG&E WIMP describe PG&E state in reduce this backool of one distribution	a) Where here are to overhead debt's facilities, we do not conduct cooline segulation. 3) Where he have a read of the FGAE by Her Market segulation. The FGAE by Her Market segulation is destroyed as a part of clearing and maintenance for packnown transforments and other typical undergrounding outputs. As a part of clearing and maintenance for packnown transforments and other typical undergrounding outputs. 1) Not acceptable. 3) The plan only applies to tags in HFRAMFTD areas because these areas constitute 99% of	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_019.zip	0	N/A	8.2	Vegetation Management and Inspections	N/A
265	CalPA	Set WMP-19	CalPA_Set WMP- 19	7	CalPA_Set WMP-19_Q	work orders. As part of this plan, PG&E states that it plans to eliminate the ignition-risk backlog by the end of 2029, and the non-lightion risk backlog by the end of 2032. A Does the plan described above anoth, the PSAF's entire service territory, or only those tans in	a) Insi pan only applies to rigis in H-HAHH-I LI areas because those areas constitute 95% of the widther risk nour service territory. b) We are still in the process of creating a plantimetine for eliminating our backlog of tags outside of our HFRAHFID areas. Given that the HFRAHFID areas comprise 99% of the widther risk in our territory, we are redirectived this work in order to reduce our widther risk as middle and	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip	0	N/A	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
266	CalPA	Set WMP-19	CalPA_Set WMP- 19	8	CalPA_Set WMP-19_Qt	The HETMAERAY Page 454 of PG&Es WMP states, "We divide remaining notifications into two groups; (1) ignition risk notifications in the HETDAHFRA; and (2) non-lightion risk notifications in the HETDAHFRA; and (3) non-lightion risk notifications in the HETDAHFRA; and (3) how does PG&Es determine whether a materinaries less is an ingritision risk rotification? "I non-lightion risk notification?" I non-lightion risk notification? "I non-lightion risk notification?" I non-lighting risk notification?" I non-lighting risk notification? "I non-lighting risk notification?" I non-lighting risk notification?" I non-lighting risk notification risk has "het published risk notification." I not risk notification risk has "het published risk not risk notification." I not risk notification risk notification risk notification risk notification." I not risk notification risk notification risk notification risk notification. I not risk notification risk notification. I not risk notification risk notificati	a) "ignition Haik" notifications are maintenance tags that have been determined to have some form of ignition in sits as a result of the non-conformance identified on the tag (e.g., conductor or structural support deficiency). We used a combination of wildfire risk models to calculate the wildfire risk for each notification. Each notification contains once or multiple EDA (Eacilita/Damane-Action) code(s) for documention.	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_019.zip	0	N/A	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
267	CalPA	Set WMP-19	CalPA_Set WMP- 19	9	CalPA_Set WMP-19_Qt	respire to more case y to position a delitional weather station is unasset. In the desired pulpotes, in a plant of the more case y to position additional weather station in unique and other regions where it short-ferm mixed carriedly spread welfacts. a) In response to this report, has PGAE assessed the need to position additional weather station in a manager and reference admired to the content statistics. In concept, and the control admired to the manner are unasset statistics. In concept, and the control admired to the manner are unasset statistics. Conductor installation. Below the table, PGAE states. The costs in Table PGAE 5.2.1-1.1 Incides the components for CGA that are comparable with the other DGAE and or Tele Joint Old efforts.	this report. The external report did not provide specific guidance on canyons and other localized	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-10 – Justification of Weather Station Network Density
268	CalPA	Set WMP-19	CalPA_Set WMP- 19	10	CalPA_Set WMP- 19_Q10	Conductor installation. Below the lable, PGBE states, "The costs in Table PGBE-22-11-3 include the components for CC that are comparable with the other IOUs as part of the Joint IOU efforts. They do not include all cost components that make up our comprehensive Overhead System Mardenion Princeram! Pages 568-569 of PGBEs WMP describe PGBEs simplified wildfire risk spend efficiency	us of a sale of miligation options including Covered Conductor, Remote Girls, Remonal, and Underground. The costs associated with the overhead hardering projects recorded were bundled into similar categories for only the overhead hardering portion of our System Hardering program. There are no additional costs associated will be into week to all the control of the size existed from Table. a) No, there is no threshold in SWHSE that we use to determine that owner exceed conductor is a more scattler miligation than undergourding. SWHSE theight provide militage for the which have	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-11 – Covered Conductor Effectiveness Lessons Learned
269	CalPA	Set WMP-19	CalPA_Set WMP- 19	11	CalPA_Set WMP- 19_Q11	(SWRSE), used to prioritize its undergrounding projects. Page 1005 states, "For the Undergrounding Program, we selected the roughly 8,000 OH miles with the highest SWRSE by produce roughly 10,000 miles of undergrounding," as I is there as threshold SWRSE was at which In PSGE relatemines, that covered conductor is a Altachment 1 to PSGE's response to data request California shart covered conductor is a second program of the psge of th	suitable miligation than undergrounding. SWRSE helps provide ranking of locations which have higher risk spend efficiency to miligate wildfire work as compared to other locations and is used to select miles for undergrounding. Beganding the decision between covered conductor and undercorounding. the owerall consideration of the amount of risk militarity in the militarities of a). The delay was due to this pole being infrustrately impreched using our legacy inspection system.	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 — Revise Process of Prioritizing Wildfire Mitigations
270	CalPA	Set WMP-19	CalPA_Set WMP- 19	12	CalPA_Set WMP- 19_Q12		select rinks for undergrounding. Regarding the decision between covered conductor and underscoredings. But meand consideration of the amount of size facts for the militation condition is, 3) The day was the to the pole being immunely inspected using our legacy impection system. 3) The day was the to the pole being immunely inspected using our legacy impection system, some control of the size of	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip https://www.pse.com/pse_elobal/common/pdfs/	0	N/A	8.1.3.2.3	Asset Inspections	Intrusive Pole Inspections
271	CalPA	Set WMP-19	CalPA_Set WMP- 19	13	CalPA_Set WMP- 19_Q13	The PG&E Independent Sately Monitor Status Update Report by Filinger Energy Partners on October 4, 2022, page 9 states: During the period, the ISM reviewed data provided by PG&E related to PG&E's Underground Transmission saste ages and the average age of certain PG&E Underground Transmission assets, For warmels RIFE's direct how on a underground transmission, rable is beyond its useful On April 12, 2022, Cal Advocates here with a Serior Director of Gird Research Innovation and On April 12, 2022 Cal Advocates here with a Serior Director of Gird Research Innovation and the Company of the Compan	declaration. a) Please reference "WMP-Discovery2023 DR, Callidrocates 019-Q013Alch01CONF pdf" for our internal POSEE presentation from May 2022. Specifically, the references are found on Sildro number 18. We clarify that "herond its useful life." a) We are still revaluating REFCL exhology in the EPIG3.15 demonstration project including field.	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip https://www.pse.com/pse_elobal/common/pdfs/	1	N/A	8.1.2.5	Grid Design and System Hardening	Traditional Overhead Hardening -Transmission Conductor and Distribution
272	CalPA	Set WMP-19	CalPA_Set WMP- 19	14	CalPA_Set WMP- 19_Q14	 a) Does the above statement accurately reflect PG&F's current assessment of REFCL 2 Please 	testing and gaining operational experience. We expect to have final results by the end of 2023. Decisions about further deployment of REFCL will be made after completion of the demonstration project with consideration for all wildfire risk mitigations available. Not sunderwise. a) POSE is actively analyzing the effectiveness of Covered Conductor (CC), in combination with	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.8.1.3.1	Grid Design, Operations, and Maintenance	8.1.8.1.3.1 Rapid Earth Fault Current Limiter
273	CalPA	Set WMP-19	CalPA_Set WMP- 19	15	CalPA_Set WMP- 19_Q15	installed on distribution circuits in the HFTD? b) If the answer to part (a) is no, please explain why not	EPSS and DCDRV. In addition, we are actively analyzing the effectiveness of Bare Conductor (BC), in combraid on with EPSS and DVDRV. PGSE is in the Initial phase of these two studies and intends to use the results to compare the effectiveness of CZ and BC.) We have not performed a similar analysis of covered conductor (CC) with the same methodology as useful in Table 7.	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.2	Grid Design and System Hardening	Various ACI PG&E-22-11 – Covered
274	CalPA	Set WMP-19	CalPA_Set WMP- 19	16	CalPA_Set WMP- 19_Q16	several vegetation management programs.	b) Not applicable.	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-11 – Covered Conductor Effectiveness Lessons Learned
275	CalPA	Set WMP-20	CalPA_Set WMP- 20	1		a) In 2022, as part of its WMP system hardening activities, did PG&E retire from service (i.e.,	seed time contains. And seement Mild procures the count of times all times and times and an extension of the count of times and times an	Holly Wehrman	4/26/2023	5/3/2023	5/3/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 020.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A
276	CalPA	Set WMP-20	CalPA_Set WMP- 20	2		register, remove, distroy, or decommission) any assets that had not been that devote at the time of retirement. The remove of the remove of the removal of	a) Not applicable. The assets to be replaced as part of WMP system hardening	Holly Wehrman	4/26/2023	5/3/2023	5/3/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 020.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.2	Grid Design and System Hardening	Al
277	CalPA	Set WMP-20	CalPA_Set WMP- 20	3	CalPA_Set WMP-20_Q	service (i.e., replace, remove, destroy, or decommission) any assets that are not fully depreciated at the time of retrement? b) Please describe how PG&E will record the retirement of assets during 2023 system hardening activities.	activenes in 2023 follow group depreciation and retirement accounting. As such, there is no undepreciated value of the assets that will be retired. Please refer to our response to Question 005, Subpart (a) for additional information. b) See response to Question 001. Subparts (a) (b) of this Data Request Set. The	Holly Wehrman	4/26/2023	5/3/2023	5/3/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 020.zip	0	N/A	8.1.2	Grid Design and System Hardening	AI

					1		Please see the response to Question 001, Subpart (b) for information regarding the					https://www.pge.com/pge_global/common/pdfs/					
278	CalPA	Set WMP-20	CalPA_Set WMP- 20	4	CalPA_Set WMP-20_Q	What is PG&E's standard practice for tracking assets that are retired from service before they are fully depreciated?	tracking of PG&E's retired assets. Please also see Question 005, Subpart (a) for information on group depreciation and retirement accounting, as established by the CPUC, FERC, and the National Association of Regulatory Utility Commissioners (MARIIC). which PG&E follows.	Holly Wehrman	4/26/2023	5/3/2023	5/3/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 020.zip	0	N/A	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A
279	CalPA	Set WMP-20	CalPA_Set WMP- 20	5	CalPA_Set WMP-20_Q	a) If PG&E retires from service an asset that has not been fully depreciated, does it remove the remaining undepreciated value of the asset from its rate base? b) How does PG&E determine the remaining undepreciated value of an asset at the time the asset is retired from service? () Dispose december any exemptic in which PCEE usual retires from service an area of the base of	JURBILLY Martin ERSE Folious. JURBILLY Martin ERSE Folious. JURBILLY Martin ERSE Folious. To the Commission of Regulatory Utility Commissioners (MARICL) Group depreciation accounting refers to the usell-established regulatory accounting method for large	Holly Wehrman	4/26/2023	5/3/2023	5/3/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 020.zip	0	N/A	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A
280	CalPA	Set WMP-20	CalPA_Set WMP- 20	6	CalPA_Set WMP-20_Q	assat is refined from service? Social is refined from service? Social is refined from service? Social is refined from service. Social is refined from service as social service is refined from service. Social is refined from service? Social is refined from service. Social is refined from service? Social is the service from city oil by sept, bears or applies with. Social is refined from service from service from service. Social is refined from service	procurs of homospoosus assets. The remeils of resus inferenciation accounting a 30 No. Please see for exposes to Outself on OS. Subpart (a) for a detailed expiration. 30 Not applicable, as described in subpart (a) of this response. 30 Not applicable, as described in subpart (a) of this response. 30 Not applicable, as described in subpart (a) of this response. 50 Not applicable, as described in subpart (a) of this response. 50 Not applicable, as described in subpart (a) of this response. 50 Not applicable, as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of this response. 50 Not applicable as described in subpart (a) of t	Holly Wehrman	4/26/2023	5/3/2023	5/3/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 020.zip	0	N/A	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A
281	CalPA	Set WMP-20	CalPA_Set WMP- 20	7		27 are not set up to enable this cross-referenced data consolidation and we do not track the volume of assets replaced that have not been fully recovered."	retired from service, PG&E has an as-bulk process to document work completed in the field. These as-builts are submitted for mapping in the system of record and the retired asset is removed from our Geospatial System or record (GSL) in addition.	Holly Wehrman	4/26/2023	5/3/2023	5/3/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1	Grid Design, Operations, and Maintenance	Distribution Pole and Replacements Traditional Overhead Hardening Transformers
282	TURN	009	TURN_009	1	TURN_009_Q1	a.b. Bease existin what is, meant by the statement. "Our asset necistry and work execution. 1. Regarding the 2023-2026 Undergounding Workplan referenced on page 910 of the WIMP (R1) and provided in Excel format in response to TURN Data Request 2-4: a. For each undergrounding project listed in this document, please provide the RSE calculated in accordance with the CPUC's SAMP Settlement (see pp. 242 et sep of PG&E's WIMP-R1) (not	the retired asset is also removed from the in-sensor partition of the work. a) Ac explained to page 986 of the 2023-2025 WINP PO&E developed a measurement described in the 2022 Revised WIMP as the Simplified Wildline Risk Spend Efficiency (SWRSE) or Wildline Feasibility Efficiency (WFE) to identify where Po&E could most efficiently reduce risk given the terrain feasibility at partitional recalation due to the presence of hard rock, large water	Tom Long	4/26/2023	5/1/2023	5/1/2023	plan/reference-docs/2023/CalAdvocates 020.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-16 - Progress and Updates on Undergrounding and Risk Prioritization
283	MGRA	Data Request No.	MGRA_Data Request No. 3	1	MGRA_Data Request No. 3_Q1	SWRSE or WFF1 that PGRE calculated for the underprounding project. Please provide all inputs. Please provide for Asset Point data for Camera, Fuse, Support Structure, and Weather Station.	crossions, and/or oraclient. PG&E calculates the SWRSE as follows: The attachments have been reuploaded to ESFT.	Joseph Mitchell	4/27/2023	5/2/2023	4/27/2023	plan/reference-docs/2023/TURN 009.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
284	MGRA	Data Request No.	MGRA_Data Request No. 3	2	MGRA_Data Request No. 3_Q2	Provide Asset Line data for Transmission Line (as permitted as non-confidential), Primary Distribution Line, and Secondary Distribution Line.	The attachments have been reuploaded to ESFT.	Joseph Mitchell	4/27/2023	5/2/2023	4/27/2023	plan/reference-docs/2023/MGRA 003.pdf https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
285	MGRA	Data Request No.	MGRA_Data Request No. 3	3	MGRA_Data Request No. 3_Q3	Provide PSPS Event data. Include Event Log, Event Line, Event Polygon data. Please exclude customer meter data. Provide all PSPS Event Asset Damage data including photos.	The attachments have been reuploaded to ESFT.	Joseph Mitchell	4/27/2023	5/2/2023	4/27/2023	plan/reference-docs/2023/MGRA_003.pdf https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
286	MGRA	Data Request No.	MGRA_Data Request No. 3	4	MGRA_Data Request No. 3_Q4	Provide Risk Event Point data, including Wire Down, Ignition, Transmission unplanned outage (as classified non-confidential), Distribution Unplanned Outage data, Distribution Vegetation Caused Unplanned Outage, Risk Event Asset Log.	The attachments have been reuploaded to ESFT.	Joseph Mitchell	4/27/2023	5/2/2023	4/27/2023	plan/reference-docs/2023/MGRA 003.pdf https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
287	MGRA	Data Request No.	MGRA_Data Request No. 3	5	MGRA_Data Request No. 3_Q5	Under Initiatives, please provide Grid Hardening data, including Hardening Log, Hardening Point, and Hardening Line data. Inspection data is not requested at this time.	The attachments have been reuploaded to ESFT.	Joseph Mitchell	4/27/2023	5/2/2023	4/27/2023	plan/reference-docs/2023/MGRA 003.pdf https://www.pge.com/pge-global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/MGRA 003.pdf	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
288	MGRA	Data Request No.	MGRA_Data Request No. 3	6	MGRA_Data Request No. 3_Q6	Under Initiatives, please provide Other Initiative data for point, line, polygon features and the Other Initiative Log.	The attachments have been reuploaded to ESFT.	Joseph Mitchell	4/27/2023	5/2/2023	4/27/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_003.pdf	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
289	MGRA	Data Request No.	MGRA_Data Request No. 3	7	MGRA_Data Request No. 3_Q7		The attachments have been reuploaded to ESFT.	Joseph Mitchell	4/27/2023	5/2/2023	4/27/2023	https://www.pec.com/pge_global/common/pdfs// safety/emergency-preparedness/natural- disaster/wildfiress/wildfire-mitigation- plan/reference-docs/2023/MGRA_003.pdf	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
290	CalPA	Set WMP-21	CalPA_Set WMP- 21	1	CalPA_Set WMP-21_Q	Per Table 8-12, Vegetation Management Implementation Objectives, PG&E's Focused Tree Inspection (FTI) Program is currently under development. By the end of 2022, PG&E plant is program to currently under development. By the end of 2022, PG&E plant is program to purpose to purpose to 1 of data required California California PG&E states in response to quastion 11 of data required California California (FTI) PG&E states in PGAE states in success of the surries on seeded to amond and inform future Per Table 2 in PGAE Provised California Volta Report for quarter 4 of 2022, PGAE but the PGAE Table 2 in PGAE Provised California Volta Report for quarter 4 of 2022, PGAE but the	Please see the table below for the Focused Tree Inspection Program schedule. PG&E is still developing the procedures for this program. We intend to use Q4 of 2023 to analyze the results of the pible to inform our 2024 FTI plan. Step in implementing the Focused Tree Inspections	Holly Wehrman	4/27/2023	5/2/2023	5/2/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 021.zip	0	N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
291	CalPA	Set WMP-21	CalPA_Set WMP- 21	2	CalPA_Set WMP-21_Q	following numbers of level 2 and level 3 findings from distribution inspections in the HFTD in 2020, 22 2021, and 2022: Distribution Inspection Findings in HFTD	- Annual response in Language and proposed in the request, PGAE realesed that the data serviced in our prior submission was incorrect. This discrepancy was the result of an Excel error that occurred when PGAE revised Table 2 with the additional inspection type details required for 04 2022. Pease see authorimet. VMBGDcovery0023 D.R. Caldhoccastes 221- 0.0002Abril. door. If or undested distribution inspection fordors in HETTI from 2021 in 2022 - The confidential authorimet is being provided pursuant to the accompanying confidentially	Holly Wehrman	4/27/2023	5/9/2023	5/9/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_021.zip	1	N/A	QDR	N/A	N/A
292	CalPA	Set WMP-21	CalPA_Set WMP- 21	3	CalPA_Set WMP-21_Q	five most common problems identified in the QC process are: C-hooks, insulators, cotter pins, shoe issues, and structural issues." For each of the five problems listed above, please list any changes PG&E has made to its	declaration. Please note, the quote is in reference to CalAdvocates-PGE-2023WMP-10, question 15.	Holly Wehrman	4/27/2023	5/2/2023	5/2/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_021.zip	3	N/A	QDR	N/A	N/A
293	CalPA	Set WMP-21	CalPA_Set WMP- 21	4	CalPA_Set WMP-21_Q	ionocinio nonoese, nonodiures, or trialitios to reduce the number of innoccinos with these. Figure PG&E=1, 18.2 on p. 465 of PG&Es WMP shows that PSPS will be considered under the foliosing conditions: 44 - Wind gusts 30-40 mph - Relative humidity 401% Dead Elia Michates eds.41%	For a satisfaced implication is always, are day 6.4-indiags were states was an extraining as in level 3.9-figure PSEA.1 in 2.0-in p. 48.6-in Code.1 will be insteaded to be a simplified version of our criteria for general awareness. Whereas the thresholds on page 78.6 of PCEE.5 w/MP are the minimum fire potential conditions with quantifiable factors used during PSPS. 3) An FPI of RS-1 is when there is an occurrence of high FPI (above 0.7) plus the presence of	Holly Wehrman	4/27/2023	5/2/2023	5/2/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-dors/2023/Cal@dwcates_021.zip	0	N/A	9.2.1	Public Safety Power Shutoff	Risk Thresholds (e.g., WS, FPI, etc.) and Decision-Making Process That Determine the Need for a PSPS.
294	MGRA	Data Request No.	MGRA_Data Request No. 4	1	MGRA_Data Request No. 4_Q1	Please provide a description of how the data was created, and from which version of WDRM. Please provide a description of how risk data was assigned to the 100 meter square polygons that make up the layer, specifically if it is an average over the risk scores of the components within the area.	bish inition notential ciview has wind. Section 6.4.1.1 provided in response to Energy Safety's 2023-2025 WIMP guidelines which requested a geospatial risk map with risk levels presented in three layers as it hop 5%, 5% to 20%, and bottom 50% within the HFAR POSE provided a more detailed presentation of risk layers than requested. For this reason, the numeric risk value is not provided as it was not	Joseph Mitchell	4/28/2023	5/3/2023	5/3/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_004.zip	1	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
295	MGRA	Data Request No.	MGRA_Data Request No. 4	2	MGRA_Data Request No. 4_Q2	Explain why the vast majority of the polygons show low risk (<25%), and why high risk polygons (>70%) are very rare.	PG&E objects to this question as vague. Subject to and without waiving this objection, PG&E responds as follows: High risk polygons are rarer than low risk polygons as the highest wildfire risk is concentrated. This distribution of risk can be seen in Figure 6.2-2-11.	Joseph Mitchell	4/28/2023	5/3/2023	5/3/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_004.zip	0	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
296	MGRA	Data Request No.	MGRA_Data Request No. 4	3	MGRA_Data Request No. 4_Q3	Explain why the polygons do not cover all of the primary distribution lines in the HFTD. Example below.	Upon review, PG&E has confirmed that the original Attachment 2023-03- 27, PGE_2023_WIMP_R1 Appendix C. AuthoritiSection. 6.gdb file inadvertently dropped some risk pixels. Please see "WIMP-Discovery/2023_DR_MCAR_004-0030A4ch01.zip" for an updated GDB file. We will reach out to Emergy Safety to provide this updated information pursuant to Emergy Safety individuals.	Joseph Mitchell	4/28/2023	5/9/2023	5/9/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_004.zip	1	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
297	MGRA	Data Request No.	MGRA_Data Request No. 4	4	MGRA_Data Request No. 4_Q4	Please explain why isolated "hot polygons" appear in the data, as shown below, and whether these represent actual risk or an artifact.	Enemas, Salahaka, austinalenes. It a difficunt to determine the boation of the provided example based on the information provided. Orphaned pixels, such as those shown in the example, may result from missing pixels due to incomplete data or processing of the data. After bypacity particle with the processing of the data of the pixels	Joseph Mitchell	4/28/2023	5/3/2023	5/3/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_004.zip	0	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
298	MGRA	Data Request No. 4	MGRA_Data Request No. 4	5	MGRA_Data Request No. 4_Q5	Please provide an alternative and more complete version of this data set in which: a. Raw numeric data is provided rather than a 5% timing. This will allow a rescaling of "low" and "high" risks to be more relative and show any galderist across the PG&E territory. b. Coverage extends to all circuits in the HFTD.	a. Please find the requested data in "WMP-Discovery2023_DR_MGRA_004-003Arch01 zip." Results from analysis at the pixel level will provide a different assessment of the spatial pattern of risk than at the aggregated level. b. Specific to this request, the attached file provides risk pixels and associated requested values for all locations, in the HETD, and HERBA.	Joseph Mitchell	4/28/2023	5/9/2023	5/9/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_004.zip	0	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
299	MGRA	Data Request No. 4	MGRA_Data Request No. 4	6	MGRA_Data Request No. 4_Q6	If the risk score for each polygon represents an average over the risk in the polygon, please provide an additional version in which the maximum numerical value in the polygon is provided instead.	As described in section 6.2.2.3, pages 171 and 172 in PG&E's 2023-2025 WMP, the pixel level risk value is the product of the cumulative probability of all risk drivers in that pixel and the wildfire consequence. As such, the value is not an average over the risk in a polygon.	Joseph Mitchell	4/28/2023	5/3/2023	5/3/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_004.zip	0	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
300	MGRA	Data Request No. 4	MGRA_Data Request No. 4	7	MGRA_Data Request No. 4_Q7	If possible, provide two additional sets of GIS data in identical format to the original, one representing the POI component of the WDRM model and a separate set showing the consequence component of the WDRM score. Output should be in numerical format and not binned.	The file provided in "WMP-Discovery2023_DR_MGRA_004-Q003Atch01.zip" contains the additionally requested Risk, POI, and Wildfire Consequence data.	Joseph Mitchell	4/28/2023	5/9/2023	5/9/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_004.zip	0	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
301	MGRA	Data Request No. 4	MGRA_Data Request No. 4	8	MGRA_Data Request No. 4_Q8	Please provide an excel spreadsheet giving the Distribution Outage ID for each outage occurring while EPSS was enabled in 2022.	Please see "WMP-Discovery2023_DR_MGRA_004-Q008Atch01.xfxx."	Joseph Mitchell	4/28/2023	5/3/2023	5/3/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_004.zip	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
302	TURN	010	TURN_010	1	TURN_010_Q1	PG&E's WMP (R1) at page 3 states PG&E undergrounded 180 miles in 2022 and 73 miles in 2021. In each of these years, separately, please provide the number of overhead miles that were converted to underground related to these mileage figures.	We currently do not track the overhead miles removed and replaced through undergrounding. Our pocepatal system of record only tracks assets currently in the field. Based on the average overhead to underground conversion factor of 1 overhead mile to 1.25 system hardening underground miles and the estimated conversion factor of 1 overhead mile to 1.25 system hardening underground miles. But introduce the control of the c	Tom Long	4/28/2023	5/3/2023	5/3/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN 010.zip	0	N/A	8.1.2.2	Grid Design, Operations, and Maintenance	Undergrounding
303	TURN	010	TURN_010	2	TURN_010_Q2	PG&E's WMP (R1) at page 4 states "Between 2023 and 2026, 87 percent of PG&E's undergrounding work is planned for the top 20 percent of risk-ranked circuit segments, as steeringly or percent of risk-ranked circuit segments, as selected or percent of the property of the percent	with PGAE. a. Please see attachment "WMP-Discovery2023_DR_TURN_010-Q002Atch01CONF.xlsx" b. "Top 20% Risk-Ranked Circuit Segments" miles can come from either the WDRM V2 or V3 Risk Rank Models:	Tom Long	4/28/2023	5/3/2023	5/3/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_010.zip	1	Yes	8.1.2.2	Grid Design, Operations, and Maintenance	Undergrounding
304	TURN	010	TURN_010	3	TURN_010_Q3	Following up on the response to TURN DR 7.4(c), in which TURN asked whether PG&E calculated crouse, regarder level RSE for the past and fulture work shown in Albachmer 2023-04. 05_PG&2022_WRIF_PG_2 section 6.4_2_Rictrol, an earlier version of which is referenced on a variety of the past and past an	y as oscrince in more cetal in response to TURN Data Request Dy, PG&E's Wildline Fearbillity (WFE) scores incorporate the elements of RSE calculations with the fearbility element used to modify the spend factor to account for operational and executability factors. Please see attachment "WIMP-Discovery/2023_DR_TURN_010-Q003Atch01.xbx" for a list of all circuit segments and their calculated WFE scores. Circuit segments without a WFE score are not.	Tom Long	4/28/2023	5/3/2023	5/3/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_010.zip	1	N/A	6.4.2	Risk Methodology and Assessment	Top Risk-Contributing Circuits/Segments
305	TURN	010	TURN_010	4	TURN_010_Q4	2002 WMP. has PG&E calculated them? If so, classes enotise the RSEs, creferably as additional. Re Figure 23-41 on p. 909 (R1): an about an additional calculations. 9. Please explain what three weighted risk per mile* means and how it is calculated. 9. Please explain what three weighted risk per mile* means and how it is calculated. 9. If not provided in part (a), in Excel please provide all circuit segments in PG&Es HFTD and HERBA and the corresponded wide Fee come and similarity MESRE. Please arroade supportion data.	note, the results and visual do not match identically due to the number of data points and size and scaling of the chart. This does not impact the Pearson	Tom Long	4/28/2023	5/10/2023	5/8/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_010.zip	1	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 — Revise Process of Prioritizing Wildline Mitigations
306	TURN	010	TURN_010	5	TURN_010_Q5	Please provide the number of miles of secondary overhead distribution lines versus primary overhead distribution lines in PG&E's HFTD, and separately for PG&E's self-identified HFRA.	Coemicine in leads. Militathicinals WGME has risk scored our circuit seements hu "Intal risk" (the sum Intal Please see "WMP-Discovery2023_DR_TURN_010-Q005Alch01.xtx".	Tom Long	4/28/2023	5/3/2023	5/3/2023	plan/reference-docs/2023/TURN 010.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN 010.zip	1	N/A	8.1.2.5	Grid Design and System Hardening	Traditional Overhead Hardening
307	TURN	010	TURN_010	6	TURN_010_Q6	PG&E w/MP (R1) at page 4 states "Recent data and analysis demonstrate that the Enhanced Vegetation Management (EVM) Program risk reduction is less than EPSS and additional Operational Milipations such as Partial Voltage Detection capabilities." Please provide this recent data, including all supporting documents and quantitative analyses in Excel, that support this statement.	PG&E introduced the comparison of risk reduction and Risk Spend Efficiency (RSE) of EPSS vs EVM in the 2022 WMP and 2023 GRC Supplemental Filing in February 2022. This comparison is described in the 2023 GRC, Exhibit 3 Chapter 4 page 3-2 through 3-7. The updated wildfire mitigation strategy is summarized in Table 3-4 on page 3-39, as the risk reduction	Tom Long	4/28/2023	5/3/2023	5/3/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	4	N/A	8.2.3	Vegetation Management and Inspections	Vegetation and Fuels Management
						statement	relative to spend between EVM and EPSS is substantially in EPSS's favor.					plan/reference-docs/2023/TURN 010.zip			1	1	

	I					PG&E WMP (R1) at page 251 states "The type of mitigation tradeoff and effectiveness analysis	a Please see "WMP.Discovery2023 DR TURN 010-00074trb03CONF.ndf" sent by VM					handle or the state of the stat				_	
308	TURN	010	TURN_010	7	TURN_010_Q7	we conduct informed PG&E's decision to transition away from the Enhanced Vegetation Management (EVM) program: a. Please provide all documentation and internal communications regarding the transition away	Program Communications on October 20, 2022 referencing end of EVM at the end of 2022. In an All-Hands Call held on October 20, 2022, PG&E informed staff that due to the end of the Enhanced Vecetation Management (EVM) Program by veer's end. PG&E has eliminated the EVM.	Tom Long	4/28/2023	5/3/2023	5/3/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_010.zip	3	Yes	8.2.3	Vegetation Management and Inspections	Vegetation and Fuels Management
309	TURN	011	TURN_011	1	TURN_011_Q1	from the EVM recoram I PSGE's WMP (R1) at page 4 references WDRM v3. a Pease explain and quantify the difference in risk ranking results between WDRM v2 and a Pease explain and quantify the difference in risk ranking results between WDRM v2 and WDRM v3. Pease provide all exploring data and analysis in Excel with working formulas. b Pease provide all results of WDRM v3 in Excel at the circuit segment, circuit protection zone, are most revoked between analysis. The benefit between the circuit segment, circuit protection zone, are most revoked between analysis. The benefit between the circuit segment, circuit protection zone, are most revoked between analysis. The benefit between the circuits represented and the circuits are circuits and the circuits segment.	zooranic, mandatoru trasirios, and exolustions. A) A exginantio and quantification of the differences between the top 20% risk ranked circuit segments between WDRM v2 and WDRM v3 models is provided in the response to ACI 22-00 on pages 368-882 of the 2025 PAGE WWP. The workshed supporting this work is provided in attachment "WMP Discovery2023_DR_TURN_011-00016 hothly story. "Within this workshed".	Tom Long	5/1/2023	5/9/2023	5/9/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_011.zip	2	N/A	6.2	Risk Methodology and Assessment	Risk Analysis Framework
310	TURN	011	TURN_011	2	TURN_011_Q2	In Please provide all results of WDRM v3 in Excel at the circuit segment, circuit protection zone, or most prospets (see lausablish). Exist postatis clarks at inspiratum the foliasium information in 2.Rep PSBE's undergrounding workplan, "2023-04-06" PGE 2023, WMP_R1 Appendix D ACI PGBE-22-16, Ackhol'! a. Please add a column that provides the unique circuit segment identifier nequested in 1(b)(ii) above.	**ODMILATED SET AND ADMINISTRATION OF THE AD	Tom Long	5/1/2023	5/9/2023	5/9/2023	https://www.pge.com/pge_plobal/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_011.zip	3	Yes	Appendix D	Areas for Continued Improvement	ACI PG&E-22-16 Progress and Updates on Undergrounding and Risk Prioritization
311	TURN	011	TURN_011	3	TURN_011_Q3	In Bease and an column to this connectional that connections the half airlife rais of near faircast. 3 Regarding DR seprence TURN-1, and anotherms, VMM-Decomy 2022 DR, TURN 007- 000 Lach of LONE sea: 1 000 Lach of LONE sea: 1 000 Lach of LONE seas: 1 000 Lach of LONE seas	CODIAGNOTONE Nat. See a contract production of the contract production on underlien in attachment "MARPDiscovery2022_DR_TURN_007. OUINAGNOTONE Nat. See column to DVOMNA v2 cross specified indefiner, and column for VVDRM v3 cross specified indefiner, and column for VVDRM v3 cross specified indefiner. and column for VVDRM v3 cross specified indefiner. Jan 2 please see particular VMDRM v3 cross specified indefiner. Jan 2 please case particular VMDRM v3 cross specified indefiner.	Tom Long	5/1/2023	5/8/2023	5/8/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
312	TURN	011	TURN_011	4	TURN_011_Q4	version or which is represented on page 196, in: 77 or the WMP (R1): a Please add a column to this spreadsheet and provide the unique circuit segment identifier required in 1(h)(i) above and 2(a) and 3 above	"PWMP Discovery2023_DR_TURN_011-Q004Atch01.stsx". b) Please see attachment "WMP-Discovery2023_DR_TURN_011-Q004Atch01.stsx". Data_RR_links_to_Model_Data_sheet_in_this_attachment.	Tom Long	5/1/2023	5/8/2023	5/8/2023	plan/reference-docs/2023/TURN 011.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation-	1	N/A	6.4.2	Risk Methodology and Assessment	Top Risk-Contributing Circuits/Segments
313	CalPA	Set WMP-22	CalPA_Set WMP- 22	1	CalPA_Set WMP-22_0		The "Blookel Data" bits surmarizes, the calculation of trick melution one circuit a) Yes, we calculated the number of High Fer Risk Area (HFRA) circuits that were protected by EPSS between May and November in 2022, which was 59.8% of circuit-days. Note that we did not include EPSS buffer circuits, which are only enabled during Fire Weather Wastin, Red Flag Warning, or minimam Fire Potential Conditions. Including bose circuits would reduce that	Holly Wehrman	5/2/2023	5/5/2023	5/5/2023	plan/reference-docs/2023/TURN 011.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation-	0	N/A	8.1.8.1.1	Grid Design and System Hardening	Protective Equipment and Device Settings
314	CalPA	Set WMP-22	CalPA_Set WMP- 22	2	CalPA_Set WMP-22_C	a) is the adorder destinate correction for the process provided in expensional or the potential of the MMP workship to GRA portion of the GRA Operation. Design, and Maintenance session of the WMP workship to GRA portion of the GRA Operation. Design, and Maintenance session of the WMP workship to GRA operation of the GRA Op	percentance similarants (fibrare circuite, or centions of circuite, are not enabled a few date not a) Yes, we calculated the number of High Fire Risk Area (HFRA) circuits that were protected by EPSS between May and November in 2022, which was 59.8% of circuit-days. Note that we did not include EPSS buffer circuits, which are only enabled during Fire Weather Watch. Red Flag Warning, or minimum Fire Potential Conditions, including those circuits would reduce that	Holly Wehrman	5/2/2023	5/5/2023	5/5/2023	plan/reference-docs/2023/CalAdvocates 022.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 022.zip	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
315	CalPA	Set WMP-22	CalPA_Set WMP- 22	3		Broaufrice understround in a seas with a steen and nocks terrain: During the OAA portion of the GRI Operation, Design, and Maintenance session of the WMP workshop held on April 27, 2023, a caller raised concerns about the feasibility of undergrounding 31 in odly and steep terrain and in westlands, in response, PGAE stated that it was evaluating boils and techniques to perform undergrounding in those areas.	percentises similificants/lifenen-irruits, are confused of circuits, are only another a financiar, per 3) 10 the greatest othert possible, PGEE avails, construction in federal or state jurisdictional wetlands and we have generally found relatively few locations where it is unavoidable to underground in a "wetland" area. PGEE will first seek by relocate our distribution circuits to a less sensitive environmental location. However, undergrounding across valeer crossings. — Perennn,	Holly Wehrman	5/2/2023	5/5/2023	5/5/2023	planyleteretic olocy 2025/caleutocates 022.ap https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- tes/feef-feef-feef-feef-feef-feef-feef-fe	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
316	CalPA	Set WMP-22	CalPA_Set WMP- 22	4	CalPA_Set WMP-22_C	air a conspection prevail in desirg oldering in unice areas. Table PGALE-22000, on on page 901 of PGAE's WMP plates that the cost per circuit mile of covered conductor was \$825,689 in 2022 PGAE's response to data request CalAdocactes-PGE 42023VMP-19, ouestion 10 confirms that "there are no additional costs associated with overhead hardening that were excluded from Table 221.1-3."	stocking loads in a weed at the American will were provided in the Control of the	Holly Wehrman	5/2/2023	5/5/2023	5/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_022.zip	0	N/A	8.1.2.1	Grid Design and System Hardening	Covered Conductor Installation – Distribution
317	CalPA	Set WMP-22	CalPA_Set WMP- 22	5		In response to date request California et al. (1997). The response to date request California et al. (1997) and (1997). The response to date request California et al. (1997) and (1997) an		Holly Wehrman	5/2/2023	5/10/2023	5/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_022.zip	0	N/A	8.1.2.1	Grid Design and System Hardening	Covered Conductor Installation – Distribution
318	CalPA	Set WMP-22	CalPA_Set WMP- 22	6		covered conductor identical to that of newly installed bare overhead conductor? b) Does PG&E expect that the asset management and maintenance needs for covered overhead conductor are identical to those of bare overhead conductor?	installed Bare Conductor (BC) because the failure modes are different between the two conductor types. At this time, PG&E does not have a set useful life expectancy for covered conductor due to oncoing evaluation of UV excosure and the possibility of accelerated corrosion from water	Holly Wehrman	5/2/2023	5/5/2023	5/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_022.zip	0	N/A	8.1.2.1	Grid Design and System Hardening	Covered Conductor Installation – Distribution
319	CalPA	Set WMP-22	CalPA_Set WMP- 22	7	CalPA_Set WMP-22_G	Table 8-7-2 on page 446 of PG&E's WMP uses the term "Critical pass rate." Please define this term.	Interior to the contection is closed. These fails are moles used occurrented in DRAE's Consent. The allachment of this response is continental as described in the confidentially occlaration of Richard Knoeber, dated May 5, 2023. Please see attachment "WMP. Biocovery/2023. DR, Califdy-octaes (2022-00/07Achio1Octo) Pp. off for the requested information. Specifically, on pages 1-2 of the document, we identify three calculations that comprise the confidence of	Holly Wehrman	5/2/2023	5/5/2023	5/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 022.zip	1	N/A	8.1.6.2	Grid Design and System Hardening	Quality Control
320	CalPA	Set WMP-22	CalPA_Set WMP- 22	8	CalPA_Set WMP-22_C	In response to data request Califviocates-PGE-2023/WIRP-05, question 3, PG&E provided the number of distribution inspections that failed QC review. Out of £2.394 inspections that underwert & deckets peality control, 4,978 (9,4%) failed. Out of 4,096 inspections that underwert field quality control, 602 (14.7%) failed a use case of 40.0% for desidence mustby control and 65.3% for feel from mustby control and 65.3% for feel from the form of the first of the first own for the	Costa Dairy Dear (1 to AUT Notchados Dars Dairy (1) the AUT Transmission Dars De Not over 3) All runthers in the table above have been verified and are accurate per our 2022 data and dashboards. b) Critical pass rate is a subset of the overall pass rate, boking at specific, Critical priority ranked attributes.	Holly Wehrman	5/2/2023	5/5/2023	5/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_022.zip	0	N/A	8.1.6.2	Grid Design and System Hardening	Quality Control
321	CalPA	Set WMP-22	CalPA_Set WMP- 22	9	CalPA_Set WMP-22_C	control. (Did (14.7%) Saled. A season of the State of th	PG&E does not track the number of miles worked by each VM contractor. PG&E tracks the number of trees worked by vendor, or poles worked by vendor depending on the program in question. Please see "WMP-Discovery2023_DR. CallAdvocates_022-0009Alch01 stack spreadsheet for the number of trees worked by vendor for Routine/CEMA, EVM, Pole Work, and Wildlife Rebuilt The Statems. Inspections program does not work with VM contractors.	Holly Wehrman	5/2/2023	5/5/2023	5/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation: plan/reference-docs/2023/CalAdvocates_022.zip	1	N/A	8.2	Vegetation Management and Inspections	various
322	CalPA	Set WMP-22	CalPA_Set WMP- 22	10	CalPA_Set WMP- 22_Q10	2022 Quality Verification Distribution Audit report (WMP- Discovery2023 DR CalAdvocates 002-0001Asch02CONF.pdf).	Widthin Rehald The Statemen Joneselfons recorated once not work with VMA contantors. The CONFIDENTIAL attachements are long provided pressured to the accompanying confidentially declaration. as yet has zero between the contant of	Holly Wehrman	5/2/2023	5/12/2023	5/12/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_022.zip	2	N/A	8.1.6.1	Grid Design and System Hardening	Quality Assurance and Quality Control
323	CalPA	Set WMP-22	CalPA_Set WMP- 22	11	CalPA_Set WMP- 22_Q11	Table PGAS-B-1, 20 on page 490 of PGASE will be supported by the position of page 4 to the above trade PGAS-B-1, 20 on page 490 of PGASE will be last to marber of undergrounding miles to be performed in "Top 20 present Risk-Rainbed Cross Begments" in 2021, 2024, 2025, and 2026. The table rocks — The 2023 risk raink for segments is based on the 2021 WDRH v1.2 The 2024- 2026 firsk raink for segments is based on the 2022 WDRH v1.2 and Debases define. Too 20 instrume Risk-Rainbed Cross Becompt. [by each user from 2022-2026.	based on the 2021 WDRM v2. The 2024-2026 risk rank for segments is based on the 2022 WDRM v3.	Holly Wehrman	5/2/2023	5/5/2023	5/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_022.zip	0	N/A	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
324	CalPA	Set WMP-23	CalPA_Set WMP- 23	1	CalPA_Set WMP-23_C	200 in ten din't or Segmenta is asset do rink au CV. Will oblive symptomic first each user firm 1003-2004. PGAE states in 19 WHP p. 71.5 Based on our updated 200 FBRP Protocols, some of the circuits below sould not have been die-energized three or more firms in any calendar year from 2019 to 2002. These circuits are noted below as tritigated with PSRP Protocols. "Pease explain in detail how drick! ID 152481106 (circuit name Brunsuck 1106) would have been miligated by PSRP brotocols."	See response to WMP-Discovery2023_DR_CallAdvocates_012-Q004Supp01, subparts b, c, and d. Additionally, see WMP-Discovery2023_DR_CallAdvocates_012-Q001Supp01Atch01 full list of circuits mitigated by PSPS Protocols and the Distribution customer-events that would have been mitigated.	Holly Wehrman	5/3/2023	5/8/2023	5/5/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 023.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	9.2	Public Safety Power Shutoff	Protocols on PSPS
325	CalPA	Set WMP-23	CalPA_Set WMP- 23	2	CalPA_Set WMP-23_C	Regarding PG&E's October 28-29, 2019, Post-PSPS Event Report4, Post-Report4, Post-PSP Protocols, as mentioned in Question 1, would have mitigated customers served by each of the affected circuits during this PSPS de- nengrazion event. Researching PSES-ASP NamA, Amendriat C, "Pronorand-Assistance Participation to Vicensus, Tract".	See response to question 1 in this data request set for explanation on how the current PSPS Protocols would mitigate customers. PGAF does not collect democraphic data, such as rapiallethnic breakfown or income distribution.	Holly Wehrman	5/3/2023	5/8/2023	5/5/2023	https://www.pgc.com/pgc_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 023.zip https://www.pgc.com/pgc_global/common/pdfs/	0	N/A	9.2	Public Safety Power Shutoff	Protocols on PSPS
326	CaIPA	Set WMP-23	CalPA_Set WMP- 23	3	CalPA_Set WMP-23_C	a) Self-Generation Incentive Program h) Portable Battery Program Reparating Ignition Probability Weather Model	PG&E does not collect demographic data, such as raciallethric breakdown or income distribution, from its outcomers. The only proxy had PG&E is aware of is participation in the California, for Energy (CAME) program. The CAME is a series of the CAME in the CAME is a series of the CAME in the CAME is a series of the CAME in the CAME is a series of the CAME in the CAME is a series of the CAME in the CAME is a series of the CAME in the CAME is a series of the CAME in the CAME is a series of the CAME in the CAME is a series of the CAME in the CAME is a series of the CAME in the CAME is a series of the CAME in the CAME is a series of the CAME in the CAME is a series of the CAME in the CAME is a series of the CAME in the CAME is a series of the CAME in the CAME is a series of the CAME in the CAME in the CAME is a series of the CAME in the CAME in the CAME is a series of the CAME in the CAME in the CAME is a series of the CAME in the CAME in the CAME is a series of the CAME in the CAME in the CAME in the CAME is a series of the CAME in the CAME in the CAME in the CAME is a series of the CAME in the C	Holly Wehrman	5/3/2023	5/8/2023	5/5/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_023.zip	3	N/A	8.5.3	Community Outreach and Engagement	Engagement with Access and Functional Needs Population
327	OEIS	004	OEIS_004	1	OEIS_004_Q1	In PG&E's WMP, it states its "IPW framework analyzes positive and negative changes in grid performance and reliability year-over year and applies a timeweighted approach to weigh more recent years of learned performance more heavily in the final model output." (p. 769). a. What medics, see used for analyze the vest-cover-wear channes in ord ned formance and	occurrence and the weather conditions present. We use evaluation metrics like the AUROC values as published in our WMP to assess model skill for model deployment. b. To date, system hardening is not an explicit feature, or input, of the IPW model. Any changes in the current model due to exclem hardening would come from the outside occurrence to weather. a. The OPW-IPW model does not differentiate between circuits that had or have EPSS enabled.	Colin Lang	5/4/2023	5/9/2023	5/9/2023	https://www.pgc.com/pgc_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip https://www.pgc.com/pgc_global/common/pdfs/	0	N/A	9.2.1	Public Safety Power Shutoff	Risk Thresholds (e.g., WS, FPI, etc.) and Decision-Making Process That Determine the Need for a PSPS. Risk Thresholds (e.g., WS, FPI,
328	OEIS	004	OEIS_004	2	OEIS_004_Q2	regarding E-PS in In Vision (EPS) and Weather (IPW) Model on p. 760 of its WMP. a. How does the IPW Model damajor and consider ordages from IPPS (i.e., differentiating b. How does the IPW Model account for IPPS (i.e., differentiating b. How does the IPW Model account for IPPS Genebled in IPPS (i.e., differentiating b. How does the IPW Model account for IPPS Genebled in IPPS FOR IPPS (i.e., differentiating b. How does the IPPS (i.e., differentiating FOR IPPS (i.e., differen	currently. The EPSS program is not expected to create additional outages; outage activity over the past 5 years on these circuits during the May to November time frame has been essentially flat, including in 2022 when EPSS was fully roled out. The outages that do occur lend to impact more customers since the notification scheme necessarbes fuses by desion flasts that cause an EPSS. The confidental attachments are being provided pursuants to the accompanying confidentially the confidental attachments are being provided pursuants to the accompanying confidentially.	Colin Lang	5/4/2023	5/9/2023	5/9/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.iip https://www.pse.com/pse_slobal/common/pdfs/	0	N/A	9.2.1	Public Safety Power Shutoff	etc.) and Decision-Making Process That Determine the Need for a PSPS.
329	OEIS	004	OEIS_004	3	OEIS_004_Q3	exercises:	a. After Action Reports are not created for Personnel Training, including the items identified in	Colin Lang	5/4/2023	5/9/2023	5/9/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip https://www.pge.com/pge_global/common/pdfs/	2	N/A	8.4.2.2.2	Emergency Preparedness	Personnel Training
330	OEIS	004	OEIS_004	4	OEIS_004_Q4	1. Libbs — Lar Periconne Training, Trainion Denomen. Regarding Customer Group in PSPS Copicion PS 0.05 In PSPS Objective PS-0.05. PLGES states that it will focus on a group of customers "not limited to APPA, MELL rand self-entirefiels valenceities propositions." To counting on? A Ministration of Committee of Commi	Table 8-30. Business are not consider for Extend Constant Prairies, Institution for New York as I addition to access and function needing PRIJN, medical baseline (MIL), and self-identified whereastic (SV) populations, PCAE intends to focus on customers more frequently impacted by PEPS andore PEPS Additionally, since premiere battelines are more contyls implement on PEPS Additionally, and continues to the provide provided and provided and PEPS Additional and Conference and management and the conference and non-continues on EPSA anditional that and other customers also make also the forecisis meson, to access the EPSA anditional that and other customers are non-continued and provided and EPSA anditional that and other customers are non-continued and EPSA anditional that the continues are not to the continues of the conference and the continues of the con	Colin Lang	5/4/2023	5/9/2023	5/9/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
331	OEIS	004	OEIS_004	5	OEIS_004_Q5	a. How will PCI&E address risk from green hazard trees (those not obviously dead, dying, or declining) in non-Areas of Concern? b. P-WMP_2023-PG&E-003, Question 7, PG&E indicated that ISA TRAQ form is not digitized and will be used as a unide for FTI. Turino FTI what information is invalided into One-VMP Provide. Regarding Enhanced Vegetation Management.	oectaration. a. As outlined in PG&E's Vegetation Management Distribution Inspection Procedure, provided as "WMP-Discovery2023_DR_OEIS_004-Q005Atch01CONF.pdf," if a VMI identifies a hazard tree during a Level 1 inspection, a Level 2 inspection will be performed to determine if thee work is. Year	Colin Lang	5/4/2023	5/9/2023	5/9/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
332	OEIS	004	OEIS_004	6	OEIS_004_Q6	a. Populate the following table with information regarding EVM: Year HFTD Miles Completed **Londonted Civilia Distincts Years Regarding Evitanced Vegetation Management	HFTD Miles Completed Inspected Virsia We would like to amend our response to "WMP Discovery/2023_DR_DEIS_004Q006.pdf," submitted to the Office of Energy Infrastructure Safety on May 9, 2023. In our response, we	Colin Lang	5/4/2023	5/9/2023	5/9/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	8.2.2.6	Vegetation Management and Inspections	Discontinued Programs
332	OEIS	004	OEIS_004	6REV	OEIS_004_Q6REV	a Fopular the following table with information regarding EVM: Vear HFTD Mise Completed HFTD Mise Completed Of Regarding Vegetation-Caused Outages a. Fopular the following table of vegetation-caused outages by mode of failure in the HFTD between 2015 and 2022, broken out by year. FOSE may add additional rows (i.e., mode of	miscalculated the number of 'Trees Worked' and the 'Average Trees Per Miles' in 2022, Please see revised chart below with the updated numbers highlighted. Year. POSE flows not canture the HFTD liet in outbox reports the refore the data belon provided cannot.	Colin Lang	5/4/2023	5/15/2023	5/15/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.2.2.2.6	Vegetation Management and Inspections	Discontinued Programs ACI PG&E-22-28 – Progression of
333	OEIS	004	OEIS_004	7	OEIS_004_Q7		be filtered to only include outages in HFTD areas. Please see attachment "WMP- Discovery2023_DR_OEIS_004-Q007Atch01.xtxx" for the system wide vegetation-caused	Colin Lang	5/4/2023	5/9/2023	5/9/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	Appendix D	Areas for Continued Improvement	Effectiveness of Enhanced Clearances Joint Study
334	OEIS	004	OEIS_004	8	OEIS_004_Q8	JACES MATERIAL CALLISIST ATTAINS AND THE CHES AND THE CHE	Coaligi or mode or Issue per mil. 2115–2012, are recorded by Y-sias. FEMEL Enterpress the question as desething vegetation residently vegetation residently vegetation residently vegetation residently vegetation. The properties of the properties	Colin Lang	5/4/2023	5/9/2023	5/9/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	9.2.2	Public Safety Power Shutoff	Evaluate the Relative Consequences of PSPS and Wildfires
335	OEIS	004	OEIS_004	9	OEIS_004_Q9	has performed effectiveness studies to evaluate how covered conductors can reduce ignition risk compared to bare conductor." a. Is the collaboration referenced the Covered Conductor Effectiveness. Study (Table 8-63. Line.	R0. Appendix D ACI PG&E-22-11. Alch01.pdf*. I. PG&E did not collaborate with the investor-owned utilities to evaluate the effectiveness of covered conductors related to PSPS.	Colin Lang	5/4/2023	5/9/2023	5/9/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-31 – PSPS Wind Threshold Change Evaluations
336	OEIS	004	OEIS_004	10	OEIS_004_Q10	In its response to ACI PG&E-22-31, PG&E states "based on collaboration with the joint IOU team, one of the biggest hazards during PSPS event is the potential for tree fail into line" (p. 356). a. Explain "one of the biggest hazards during PSPS event" in terms of risk (e.g., likelihood, consequence).	Based on PG&E's review of potential ignition events during a PSPS event, vegetation related hazards pose the highest sisk for ignitions. Please reference Table 5 and Table 6 of the Quarterly Data Report PG&E submits to the QEIS, where all of the ignitions are listed, including those that pose the highest risk for ignition. PG&E has incomposated tree strike notential and senetation tass into its PSPS cuickance.	Colin Lang	5/4/2023	5/9/2023	5/9/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-31 – PSPS Wind Threshold Change Evaluations

						Regarding RSE (Risk Buy-down) information required by the WMP Guidelines The 2023-2025 WMP Guidelines make specific requests for RSE, optimization of risk reduction	a. PG&E met with Energy Safety to discuss this data request on May 11, 2023. During that					https://www.pge.com/pge_global/common/pdfs/					
337	OEIS	004	OEIS_004	11	OEIS_004_Q11	The 2023-2025 WMP Guidelines make specific requests for RSE, openization of risk reduction and cost, and prioritization decisions: 7.1.4.1 Identifying and Evaluating Miligation Initiatives (a) The pronoclines for identification and evaluation unitiation initiatives (comparable to 2018. S.	meeting, POSE confirmed that "RSE" and "risk buydown" are distinct terms with different meanings, in its request. Energy Safety used the term "RSE" to describe the calculation of the total risk reduced divided by the cost of the mitigation in a given year. PSGE discussed how this sension of RSE considers risk reduced for one wear. In all tides not take into account the leventh of a. (i) The details on the inputs to the PSPSE. model are shown in Appendix on the risk of \$1.0 (The details on the inputs to the PSPSE. model are shown in Appendix.)	Colin Lang	5/4/2023	5/19/2023	5/19/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip	1	N/A	7.1.4	Wildfire Mitigation Strategy Development	Identifying and Evaluating Mitigation Initiatives
338	OEIS	004	OEIS_004	12	OEIS_004_Q12	The sections that relate to models PSPS-L, PSPS-C, PSPS-V and PSPS-R do not sufficiently describe the calculations that ultimately result in a PSPS Risk Score. The Guidelines for section	figures PG&E-B-3 and PG&E-B-4 and full documentation provided as part of "WMP-Discovery2023_DR_OEIS_001-Q007Atch03CONF.pdf," submitted to the Office of Energy Infrastructure and Safety on April 10, 2023	Colin Lang	5/4/2023	5/16/2023	5/16/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip	0	N/A	6.2	Risk Methodology and Assessment	Risk Analysis Framework
339	OEIS	004	OEIS_004	13	OEIS_004_Q13	5.4 resist risigisis - refinenciar recipiter decisided cossistation of Walkinson. consequence, exposure Regarding PLEAF Asset Tracking Distablishers. While PCASE provided information in the 2023-25 WMFs Appendix F on its overall progress in While PCASE provided information in the 2023-25 WMFs Appendix F on its overall progress is Asset Inventory Dutk Case gas, it is not below what PCASE propriess is on the high-risk electric distribution assets, such as primary conductors and poles, that are not in the Asset Registry and harden part per leafers in the WAIMED conductors. Inventors in EVECTS risks are increment on the harden part per leafers in the WAIMED conductors.	The LOBE Enterwards used to calculate belieflood of a SPRSE ment is hereporting to the request ROSE is unternalised with the term High Fire Risk Districts" and assumes this is a reference to "High Fire Risk Meas" (HFRA). A a Stated in response to Subpart (of VMMP-Discoverpos) QR OF (SS 003- QR 100 pt P-CSSE is not presently able to quantify the number of assets missing from the asset invarient. Literacur-submit motion procedure, and residently the form the saset invarient. Literacur-submit motion procedure, and residently the form the saset invarient. Literacur-submit motion procedure, and residently the society of the same of	Colin Lang	5/4/2023	5/23/2023	5/23/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-miligation- plan/reference-docs/2023/OEIS_004.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-33 – Progress on Filing Asset Inventory Data Gaps
340	OEIS	004	OEIS_004	14	OEIS_004_Q14	(PVD) a. Provide any analysis completed on reliability impacts due to DCD, including: 1. The complex of outgoon that occurred due to DCD in 2022 and 2022.	a. Data as of May 4th, 2023 for 2022-2023 DCD Outages: 1.17 outages have occurred with DIO settings enabled. 1.17 to table below matches outage causes to the Ignition Drivers used in Table 6 of the 2022 QC Quanterly Data Report 11. DCD is an additional contection element as, cant of EPSS, PCAE-will enable. PCAE respectfully objects to this receptor to the extent the request recorrectly implies	Colin Lang	5/4/2023	5/9/2023	5/9/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip	0	N/A	8.1.2.10.1	Grid Design and System Hardening	Downed Conductor Detection Devices
341	OEIS	004	OEIS_004	15	OEIS_004_Q15	Regarding Feasibility Constraints PGAE must provide an explanation of how, if at all, feasibility constraints impact the decision making of its Wildire Governance Steering Committee in selecting a portfolio of militation making of its Wildire Governance Steering Committee in selecting a portfolio of militation making of its Wildire Governance in the committee in the wildirection of the citizens as processed by the Wildirection Committee in the Wildire	PG&E respectify objects to this request to the cotent the request incorrectly implies PG&E does not use a "risk-informed pointization" when selecting widther miligations. As described throughout the 2023-2023 WMP, and specifically in Section 7.1.4.2, we begin developing out test of proposed miligations by analysing risk events, risk drivers, and consequences. Shifest Land will be calculated using the formula below. a. The 2022 EPSS splates Reduction is calculated using the formula below.	Colin Lang	5/4/2023	5/9/2023	5/9/2023	https://www.oge.com/gge_elobal/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip	1	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 – Revise Process of Prioritizing Wildline Mitigations
342	OEIS	004	OEIS_004	16	OEIS_004_Q16	 a. Provide the formulas and calculations used by PG&E to determine the effectiveness of EPSS. b. Provide analysis demonstrating adequate overlap between EPSS risk and wildfire risk to ensure PG&E's mitigations are directly addressing wildfire risk opposed to reliability. 	1- 2022 (2018 - 2020)	Colin Lang	5/4/2023	5/9/2023	5/9/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip	2	N/A	8.1.8.1.1	Grid Design, Operations, and Maintenance	Protective Equipment and Device Settings
343	OEIS	004	OEIS_004	17	OEIS_004_Q17	Regarding PG&E's Undergrounding Program a. Provide the cumulative V ₂ and V3 risk scores of the 2022 WMP vs. 2023 WMP undergrounding scope for 2023-2026. This should not include nor account for feasibility. b. Draylide the purphier on the sensition risk of the solders not become second for feasibility.	a. PG&E interprets cumulative risk score as foldrisk score of leach circuit segment based on the 2021 MORM v2 and the 2022 WDRM v3. Please note, for the 2022 WMP and 2023 WMP workplans, the total risk scores are provided at the CPZ-level, bowever, the entire CPZ may not be scoped in the workplan. For the 2012 WMP cleases reference—WMPL Discouraging 2012 DR. CPER. DOM.	Colin Lang	5/4/2023	5/9/2023	5/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS_004.zip	2	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
344	TURN	012	TURN_012	1	TURN_012_Q1	including. I Please confirm that the Simplified Wildire Risk Spend Efficiency (SIMRSE) and Wildire Feasibility Expenditure (WFE) measures discussed on page 886 of PG&Es WIMP- a. Aire only activated by PG&E for Undergrounding projects, and b. Camot be used to compare the cost-effectiveness of undergrounding projects with any other contexts.	a) Yes. b) Correct, the intent of calculating SWRSE and WFE was to support the selection process for targeted undergrounding projects only. c) We agree with a and b as stated above, with additional clarification about how WFE may result in the declarament of other mitigation approaches. The WFE score is used	Tom Long	5/5/2023	5/11/2023	5/11/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_012.zip	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 – Revise Process of Prioritizing Wildlire Mitigations
345	TURN	012	TURN_012	2	TURN_012_Q2	croincis. 2. Comparing the wildrifer mitigation work proposed in PG&E's WMP with the wisdire mitigation work proposed in PG&E's set by year 2023 GMC (A1-66-021); a. Please described any differences in wildrifer mitigation programs proposed or volume of wildrifer mitigation work proposed between the WMP and GMC for the years 2023-2023; and PGMC of the proposed between the WMP and GMC for the years 2023-2023; and provide years and proposed between the WMP and GMC for the years 2023-2023; and provide years and years and years and years and years and years and years are years and years and years and years and years are years and years and years and years are years and years and years are years and years are years and years and years are years are years and years are years and years are years are years and years are years are years and years are years are years are years are years are years and years are years a	max.ms.ii in the deviousment of other mitication ascronaches. The WEE score is used. The table below list he widtler mitigation programs proposed in the WMP and the GRC for the years 2022-2023 and describes differences between the two. The information provided below consists of summarizes of larger descussions provided in sither the WMP or the GRC. Please for the requested information and larger describes the work of the properties of the programs and the	Tom Long	5/5/2023	5/12/2023	5/12/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_012.zip	0	N/A	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
346	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	1	CPUC - SPD (Safety Policy Division)_004_Q	2021. The current data is an aggregated data set based on the data found here, under Fire gritten Data. WSPS is requesting an updated data set to resolve four potential issues:	Q001Atch01.xixx.* Please Note: For column E (EPI) the Fire Potential Index (EPI) rating is only assigned to locations in	Henry Sweat	5/5/2023	5/19/2023	5/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_004.zip	1	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-06 – Addressing Increase in Risk Events
347	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	2	CPUC - SPD (Safety Policy Division)_004_0;	1.WSPS generally understands that some institions may have been excluded at the time the data. In addition to the data requested down, please add the following data columns for each lightion: 1.1HFTD' - Classify each lightion as whether it was located in a "Zone 1," "Tier 2" or "Tier 3", or "Non-HFTD". 2.Fire Potential Index" — Provide the Fire Potential Index for the location on the day of each continuous.	a Fire Index Area (FIA) which are neknoons that have haven't life not always, later with Please first the rejected information statched as "WMP-Discovery2023_DR_SPD_004-0001Asch01xix." a. The requested information is identified in column H. b. The requested information is identified in column E. Pleases Note:	Henry Sweat	5/5/2023	5/19/2023	5/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_004.zip	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-06 – Addressing Increase in Risk Events
348	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	3	CPUC - SPD (Safety Policy Division)_004_Q	Provide the total number of circuit mile-days for each Fire Potential Index rating per year starting 3 in 2014.	Deace by Note: Please find the requested information below. This analysis was completed by first counting the number of days each Fire Index Area (FIA) was forecast at a certain rating by year. Those day counts were then multiplied by the number of OH line miles in each FIA to provide the circuit mile-days. Blease pack the Matheman 2014. And 2014 must deter all records of Elization behavior.	Henry Sweat	5/5/2023	5/19/2023	5/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD 004.zip	0	N/A	8.3.6	Situational Awareness and Forecasting	Fire Potential Index
349	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	4	CPUC - SPD (Safety Policy Division)_004_Q-	Provide the total number of days per year for each Fire Potential Index rating for each Fire Index Area starting in 2014.	by ser oracted of chiral materials instability Pile of provide are of Colonial county. Special control of Colonial Colo	Henry Sweat	5/5/2023	5/19/2023	5/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_004.zip	0	N/A	8.3.6	Situational Awareness and Forecasting	Fire Potential Index
350	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	5	CPUC - SPD (Safety Policy Division)_004_Q	Provide the total number of circuit mile-days for each Fire Potential Index rating in the HFTD per 5 year starting in 2014.	related from that detailment, and and an in wis do not feel doord in an intering below feel, and please find the respected formations below. All most Refs in our architecture. Men This analysis uses completed by first counting fine number of days each Fire Indica Area (Fel) was forecast in a central rating pray part. Those day counts were from multiplied (Fel) was forecast in a central rating pray part. Those day counts were from multiplied to the country of the	Henry Sweat	5/5/2023	5/19/2023	5/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disater/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_004.zip	0	N/A	8.3.6	Situational Awareness and Forecasting	Fire Potential Index
351	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	6	CPUC - SPD (Safety Policy Division)_004_Q	contained your over your.	In general, we have been evaluating our performance metrics against indicators of elevated FPI days (e.g., R3 and adverse) for the last several years as well as a red flag warning days. To provide a more specific example, we are normalizing for weather in the EPSS effectiveness/interformance in the following waters. In the reference datachment, columns (1) and (s) are the average bading for individual	Henry Sweat	5/5/2023	5/19/2023	5/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_004.zlp	0	N/A	8.3.6	Situational Awareness and Forecasting	Fire Potential Index
352	CalPA	Set WMP-24	CalPA_Set WMP- 24	1	CalPA_Set WMP-24_Q	In reference to your response to Question 11 of DR Calkdvocates-PGE-2023WMP-16, on the excess spreadanter WMP-Discovery 2022 DR 016-C011Auch01, 1 a) On table (a) Proceed; (e) Lipitace identify the circuits with CNI to UG conversion projects that have no adjacent circuit ties. In 10 In table (if and In Linkses identify the adiacent circuits that tie to the circuits with OH to LIG.	In the referenced attachment, columns (1) and (g) are the average basing for individual circuits that are adjacent to inclus in (d) and (e) respectively. For example, Anderson 1101 is adjacent to a circuit being undergrounded. The average loading is provided for Anderson 1101 in (n) L4 Anderson 1101 is not listed in (a) through (e) because Anderson 1101 is not being undergrounded in those averas.	Holly Wehrman	5/9/2023	5/12/2023	5/11/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_024.zip	2	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
353	MGRA	Data Request No. 5	MGRA_Data Request No. 5	1	MGRA_Data Request No. 5_Q1	Is the sole source of this POI data the machine learning algorithm described in WDRM documentation? If not what other inputs go into the POI?	Yes, the POI data shown is the result of the process and data described in section 6.2.1 and shown in Table PG&E 6.2.1-1.	Joseph Mitchell	5/10/2023	5/15/2023	5/15/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA 005.zip	0	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
354	MGRA	Data Request No. 5	MGRA_Data Request No. 5	2	MGRA_Data Request No. 5_Q2	is the fine-grained POI distribution a result of the localization of specific historical outages, characteristics of assets or environment, or both?	The fire grained features (other contrast is values between neighboring pixels) in PEAE risk model outputs are a priced freely variety perfect overvatiles, included neighboring and enhancements of the priced freely variety perfect overvatiles, including asset characteristics and environmental attributes. Please see PEAE's response to Dicestion 4 of this Data Request for an explantation of the historical oxigates previously relieved free grained colorations. The data response to the historical oxigates priced	Joseph Mitchell	5/10/2023	5/15/2023	5/15/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_005.zip	0	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
355	MGRA	Data Request No. 5	MGRA_Data Request No. 5	3	MGRA_Data Request No. 5_Q3	Which of the following characteristics is known or suspected to contribute to the fine-grained localization of POI shown above, and to what degree: a. Trop identity and height c. Associationable. As an example of "localized outsige" effects, if a vehicle were to collide with a utility pole and	The data representing the terms state in parts a moragin as continuous, in varying objective objecting on bottom and geography, to the film-sprained localization seen in PG&Es risk modeling outputs, including the spatial view provided by MGRA. Film grained bocalization may result where locations of significant covariate variability exist in PG&Es is service territory (e.g. a beauti, forested area next to a room (consted area.) This type of outputs evold the classified into the Contact From Object Third party whicker subset	Joseph Mitchell	5/10/2023	5/15/2023	5/15/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_005.zip	0	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
356	MGRA	Data Request No. 5	MGRA_Data Request No. 5	4	MGRA_Data Request No. 5_Q4	As an example or incorazed outage emects, if a vertice were to coise with a using pole and cause an outage in the boundary of the image above, and if the PDI were to be recalculated, would the area where the outage occurred show an elevated PDI? Or would conversely the incremental increase risk of vehicle collision outage be generally distributed over the entire landscape, or an anction of the landscape?	as Isled in Table PG&E-6.2.1-1. In reality, a single accident does not have very much sway over the third-party vehicle model one way or another because there are hundreds of historical everts already contributing to the result. However, we can say that the additional data point would enhance the POI in locations that share the same covariable characteristics as the anotided	Joseph Mitchell	5/10/2023	5/15/2023	5/15/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_005.zip	0	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
357	MGRA	Data Request No. 5	MGRA_Data Request No. 5	5	MGRA_Data Request No. 5_Q5	Are fire weather winds included in the WDRM v3 POI model in any other manner than that described in WDRM v3 discussion, in which aggregated yearly variables such as annual maximum or annual days over peak are used as explanatory variables?	Yes. In WDRM v3, day-of-event wind speed and fuel conditions are significant covariates in the probability of ignition given an outage model, which is trained on the conditions at the locations and on the day of each outage. Wind and other contributors to "fire weather" conditions are also prominent in the consequence calculations in WDRM v3.	Joseph Mitchell	5/10/2023	5/15/2023	5/15/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_005.zip	0	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Geospatial Maps of Top Risk Areas Within the HFRA Proposed Updates to HFTD
358	CalPA	Set WMP-25	CalPA_Set WMP- 25	1	CalPA_Set WMP-25_Q	With reference to Question 10 of data request Californicates.PGE-2023WMP-16, please augment your response by including partial outages as well as circuit outages (see definitions above). Specificately, please provide an Excel steet Issting each circuit that also outages (including both circuit outages and partial outages) that occurred from 2020 to 2020 an any In-FID traes. The Select should list each outages as an UPBease, provide the following antificinal information (in	Please see "WMR-Discoveny2023_DR_CallAdvocates_025-Q001Alch01.stsx" for information responsive to items (i\(\bar{\psi}\)-(q). The CONFIDENTIAL attachments are being provided pursuant to the	Holly Wehrman	5/11/2023	5/18/2023	5/18/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_025.zip	1	N/A	QDR	N/A	N/A
359	OEIS	005	OEIS_005	1	OEIS_005_Q1	Such class and suggest all any and changes instruction that during the such as the superior of	The CONFIDENTIAL attachments are being provided pursuant to the accompanying confidentially declaration. Please reference Section Six "After Action Reports" in the 2022 CERP Wildfre Annex (published Agri 1, 2022) (included as attachment "WMP Discovery2023_DR_OEIS_005- -CONTABABICONE Ref" POSSE conducts because the public safety partners, elected officials,	Colin Lang	5/11/2023	5/16/2023	5/16/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 005.zip	3	N/A	Maturity Survey	Maturity Survey	Maturity Survey
360	OEIS	005	OEIS_005	2	OEIS_005_Q2	Regarding Maturity Survey response to Sec 6.1.4 Question #2. PG&E answered "yes" that an external third party evaluation is conducted every five years. Please provide a copy of the most recent third party evaluation.	PGSE conducts biannual public meetings with public safety partners, elected officials, and other interested parties, to solid feedback related to the company's emergency response plan (CERP). Although feedback has been solicited no formal evaluations have been received. Please reference Section 1 of the CERP located on PCAE's whether at the following PGSE conducts armal reviews with Subject Matter Experts to evaluate the CERP and	Colin Lang	5/11/2023	5/16/2023	5/16/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 005.zip	0	N/A	Maturity Survey	Maturity Survey	Maturity Survey
361	OEIS	005	OEIS_005	3	OEIS_005_Q3	Regarding Maturity Survey response to Sec 6.1.4 Question #7 Regarding the Maturity Survey response to Section 6.1.4 Question #7, PG&E answered "yes" that Subject Mater Expert (SME) surviners review and evaluate its plan every five years. Please provide a copy of the most recent SME evaluation(s).	its associated functional and hazard specific annexes. The process for this annual review is documented in "WIMP-Discovery0223 JR_OISS, 005-000346401CONF.pd" Please note, these review sessions are considered working meetings and do not result	Colin Lang	5/11/2023	5/16/2023	5/16/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 005.zip	1	N/A	Maturity Survey	Maturity Survey	Maturity Survey
362	TURN	013	TURN_013	1	TURN_013_Q1	Following up on TURN DR 10-2(b) and PGSE's response: Pease explain how PGSE determined that a risk rank per the V3 risk model above 720 constitutes the top 20% of risk ranked segments? Why does 720 represent the 20% threshold? Please explain. Please provide worknowners, packations, and detail a Excellinat support your response.	a. The top 20 percent of risk raried circuit segments is dependent on the number of circuit segments analyzed in each WDRM model. Favo WDRM vol. the model includes all circuits segments scraps PGES enter overhead distribution system, which is 1,172 circuit segments (see WMP-Discovery2022) DR TURN 011-0001Astr01, tab. SH composite c. summary). To determine a normatish embedicitions as shown in WDRM v2 (described in part In) below.	Tom Long	5/11/2023	5/16/2023	5/15/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_013.zip	0	N/A	8.1.2.2	Grid Design, Operations, and Maintenance	Undergrounding of Electric Lines and/or Equipment
363	Green Power Institute (GPI)	002	Green Power Institute (GPI)_002	1	Green Power Institute (GPI)_002_Q1	Please provide: The rumber of trees removed in each year from 2019-2022 and the program under which the removals occurred. The rumber of planned tree removals for 2023, 2024, and 2025, and the program under which the removals with occur.	a. Year Routine Second Patrol EVM 2019 There are accrossimately 40.000 HFTD and HFRA miles in PG&E service territory.	Zoe Harrold	5/11/2023	5/16/2023	5/16/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/GPI_002.zip	0	N/A	82224	Vegetation Management and Inspections	Tree Removal Inventory
364	Green Power Institute (GPI)	002	Green Power Institute (GPI)_002	2	Green Power Institute (GPI)_002_Q2	Please provide the number of distribution line miles PG&E will perform trimming on to achieve enhanced clearances (> 12').	PG&E performs inspection on all line miles within HFRA and HFTD areas. While PG&E does not have a program dedicated to enhanced clearances, we are following the prescription in General Order 95, Rule 35 and our Distriction Standards which recommends a minimum 12-detect of clearance at time of time, billot, Disc. Threat District (HETT). PG&E also extends this minimum. PG&E does not truck useful time precessings of the size of the Section 12-desiration.	Zoe Harrold	5/11/2023	5/16/2023	5/16/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/GPI_002.zip	0	N/A	8.2.3.3	Vegetation Management and Inspections	Clearance
365	Green Power Institute (GPI)	002	Green Power Institute (GPI)_002	3	Green Power Institute (GPI)_002_Q3	Please provide any existing quantitative metrics (e.g. lig, truckloads, etc.) on the total amount of vegetation management "waste" (or residues) produced each year from 2020 – 2022, and the annual amounts that are disposed of at recycling facilities, landfills, biomass facilities, or other facilities.	PG&E does not track vegetation management "waste" data for all VM programs. Vegetation management "waste" data is available for PG&E contracted wood yrafs, which include wood debris from various programs, and the Wildfire Wood Management program. This data is not available prior to 2021. The following is the existion data on loneage of waste wood that came through PG&E's contracted.	Zoe Harrold	5/11/2023	5/16/2023	5/16/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/GPI_002.zip	0	N/A	8.2.3.2	Vegetation Management and Inspections	Wood and Slash Management
366	Green Power Institute (GPI)	002	Green Power Institute (GPI)_002	4	Green Power Institute (GPI)_002_Q4	Please provide the number of customer requests to retain woody biomass resulting from vegetation management activities on private property, state property, and federal property.	We do not track customer requests to retain woody biomass resulting from Vegetation Management activities.	Zoe Harrold	5/11/2023	5/16/2023	5/16/2023	https://www.oge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/GPI 002.zip	0	N/A	8.2.3.2	Vegetation Management and Inspections	Wood and Slash Management

367	Green Power Institute (GPI)	002	Green Power Institute (GPI)_002	5	Green Power Institute (GPI)_002_Q5	Please describe current agreements and any recent (2021-Present) communications with state and federal agencies regarding fuels and slash management practices on state and federal lands, respectively.	The U.S. Forest Service (USFS), Bureau of Land Management (BLM), National Plark Service (NPS), and California State Parks (CASP) have the authority to require specific wood and debits management (e.g., wood or tog persoval, decking, chipping up to a certist alteranter, pling) be incorporated into proposals for Vegetation Management work on their lands. Serveral public secretics in the control ISFS: Nave revended PCAF with their serventations for ward and ridderic	Zoe Harrold	5/11/2023	5/16/2023	5/16/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/GPI 002.zip	0	N/A	8232	Vegetation Management and Inspections	Wood and Slash Management
368	MGRA	Data Request No. 6	MGRA_Data Request No. 6	1	MGRA_Data Request No. 6_Q1	PG&E was requested to provide an Excel spreadsheet containing outage IDs. These were delivered with an OutageID totally unrelated to the DOutageID that it lists in its outage data provided as a result of DR1. Please provide the file sent in reponer to DR4-0B as soon as possible.	agencies. Includion LISES, have provided PC&E with their expectations for wood and richtis. "WMP-Discovery/2023_DR_MGRA_006-Q001Ach01 xiss" contains a new column called "DCutageID" that will align with the same outage identifier (ID) from DR1.	Joseph Mitchell	5/15/2023	5/18/2023	5/18/2023	plan/reterence-docs/2023/GPT 000.21p https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_006.zip	1	N/A	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
369	MGRA	Data Request No. 6	MGRA_Data Request No. 6	2	MGRA_Data Request No. 6_Q2	Please add (or re-add) a simple "cause" attribute to this outage file.	"WMP-Discovery2023_DR_MGRA_006-Q001Atch01.xtsx" contains a new column called "basic_cause" as requested.	Joseph Mitchell	5/15/2023	5/18/2023	5/18/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/MGRA_006.zip	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
370	MGRA	Data Request No. 6	MGRA_Data Request No. 6	3	MGRA_Data Request No. 6_Q3	Likewise, please add a 'cause' attribute to the outage data in the GIS files issued in response to MGRA DR1. Alternatively, provide an Excel file in which cause is cross-referenced to DoutageIID.	"WMP-Discovery2023_DR_MGRA_006-Q001Atch01.xtsx" includes both "basic_cause" and "DOutageID" for cross-referencing.	Joseph Mitchell	5/15/2023	5/18/2023	5/18/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_006.zip	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
371	MGRA	Data Request No. 6	MGRA_Data Request No. 6	4	MGRA_Data Request No. 6_Q4	to that provided in response to MGRA DR2-Question 8.	Not applicable.	Joseph Mitchell	5/15/2023	5/18/2023	5/18/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_006.zip	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
372	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	1	CPUC - SPD (Safety Policy Division)_005_0	Regarding costs inherent in PG&E's undergrounding grid hardening mitigation initiative projects, used in calculating cost efficiency and project feasibility as described in the 2023-2025 WMP (p. 340 and p. 98), to alte and looking forward: a What was the average cost per circuit mitig for undergrounding in 2022, 2021, and 2020, in the UETD non-UETD most buritimes.		Kevin Miller	5/15/2023	6/12/2023					8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
373	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	2	CPUC - SPD (Safety Policy Division)_005_0	Provide the utility's cost estimate breakdown for undergrounding per mile. Provide the cost estimate in a commonly used cost-estimating format (e.g., Uniformat), if the utility uses a different format, provide internal documentation on that format so SPD can understand the cost estimate.		Kevin Miller	5/15/2023	6/12/2023					8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
374	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	3		3. How is PG&E incorporating subsurface variability (e.g., encountering hard rock, slope, or other conditions presenting significant, physical obstacles) into undergrounding cost calculations? Provide an example.		Kevin Miller	5/15/2023	6/12/2023					8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
375	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	4	CPUC - SPD (Safety Policy Division)_005_0	4.PG&E has stated that Callfrans trench depth requirements exceeded PG&E trench depth requirements. How has this impacted costs and planning? For planning purposes, what 4 percentage of anticipated underground circuit miles will be impacted by the Callfrans trench depth requirements for 2023-2025?		Kevin Miller	5/15/2023	6/12/2023					8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
376	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	5	CPUC - SPD (Safety Policy Division)_005_0	5. How does service life impact cost calculation?		Kevin Miller	5/15/2023	6/12/2023					8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
377	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	6	CPUC - SPD (Safety Policy Division)_005_0	6.What is the estimated multiplier for conversion from overhead (OH) line to underground (UG) line (e.g., 1.28 Milk OH connects to 1.00 Milk UG)? 6 a How was this conversion rate derived? 7.On pilot projects completed to date: 7.On pilot projects completed to date:		Kevin Miller	5/15/2023	6/12/2023					8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
378	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	7	CPUC - SPD (Safety Policy Division)_005_0	A. What is the lotal al-lin cost per mile? A. What is the breakdown of project costs per mile? SPD expects to see the following components inside of the costs, although SPD understands they may not be broken down in this accept former.		Kevin Miller	5/15/2023	6/12/2023					8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
379	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	8	Policy Division)_005_0	Rease provide WMP-Discovery2023_DR_TURN_007-Q0014bch01cONFxisx, used to address TURN Data Request 7, Question 1, discussing RSE calculation for system hardening.		Kevin Miller	5/15/2023	6/12/2023					8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
380	CPUC - SPD (Safety Policy Division)	005	CPUC - SPD (Safety Policy Division)_005	9	CPUC - SPD (Safety Policy Division)_005_0	3 Cn page 151 of the 2022-2025 WMF PG&E states that the WDRM of syrtion source is "PG&E" Helencing lightion bias, 2015-2021 (approximately 2.500 CMU-(exposurate) 2.500 CMU-(exposurate) 2.500 bis control of the 2022-2022 CMU-(exposurate) 2.500 bis control of the 2022-2022 CMU-(exposurate) 3.500 bis control of the 2022-2022 CMU-(exposurate) 3.500 bis control of the 2022-2022 CMU-(exposurate) 3.500 bis control of the 2022-2022-2022 CMU-(exposurate) 3.500 bis control of the 2022-2022-2022-2022-2022-2022-2022-202	PG&E notes that the calculation of risk mitigation effectiveness can be computed in	Kevin Miller	5/15/2023	6/12/2023		https://www.pge.com/pge_global/common/pdfs/			6.2.1	Risk Methodology and Assessment	Risk and Risk Component Identification
381	CPUC - SPD (Safety Policy Division)	006	CPUC - SPD (Safety Policy Division)_006	1	CPUC - SPD (Safety Policy Division)_006_0	Conductor (CC), PG&E stated that CC is probably the most "mature" mitigation effectiveness as the effectiveness based on empirical data and cross utility collaboration, EPGS is the second most as it is based on empirical data, and that LIC is the least mature mitigation effectiveness as 2. PG&E asserted that PG&E is addressine the risk from secondary lines and service droos in	various ways, and taking different approaches to calculate effectiveness for different mitigations does not necessarily constitute a discrepancy. The mitigation effectiveness calculation for covered conductor was articulated as being the most "mature" because the brief I/ILs accred upon a common methodologo of usion a continuous of maturated a. As discussed during a staff meeting with SPO on May 3, 2023, PG&E curreftly	Kevin Miller	5/17/2023	5/22/2023	5/22/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD 006.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.8.1.1	Grid Design, Operations, and Maintenance	Protective Equipment and Device Settings
382	CPUC - SPD (Safety Policy Division)	006	CPUC - SPD (Safety Policy Division)_006	2		part via replacing the secondary with covered aerial conductor and breaknawy connectors at service drops [see PG&E's response to Question 4.b of SPD_PG&E_2024_003 for additional description]. PG&E also stated that there may need to be a messaging update because the 99% milication effectiveness is only meant to anoty to orimany lines, not their entire wildfire risk.	states in talking points, the PG&E website, and in customer materials that "Placing overhead powerlines underground reduces ignition risk by approximately 99% in that location." PG&E intended the phrase "in that location" to articulate that the 99% sisk militation anolied to the areas, or the private economists, achialsh belon. The CONFIDENTIAL statchments are being provided pursuant to the accompanying	Kevin Miller	5/17/2023	5/22/2023	5/22/2023	safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/SPD 006.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
383	CPUC - SPD (Safety Policy Division)	007	CPUC - SPD (Safety Policy Division)_007	1	CPUC - SPD (Safety Policy Division)_007_0	conductor - if PG&E can point to product data from a manufacturer, this would be preferred) does 1 PG&E use and does PG&E choose different types of covered conductor types near coastal areas?	confidentiality declaration. Please refer to Table 18 – Primary Alaximum ACSR and Copper XLPE Tree Wire (page 10 of 12) in PG&E standard 059626, "Conductors for Overhead Lines" (MMP_Discoven.2023_DR_SPS_007_000146re)15(ONE-off) for the bross of covered.	Henry Sweat	5/17/2023	5/18/2023	5/18/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD 007.zip	3	N/A	8.1.2.1	Grid Design and System Hardening	Covered Conductor Installation – Distribution
384	OES	006	OEIS_006	1	OEIS_006_Q1	Regarder (PAEE) in segone to OES OR 2 Osestion 10, Machinerar 1: £ Egisla the difference between p Fael Staff Reassessment and a Planned Field Safety £ In what instances would PAEE extend a work order das date through a Fael Safety £ In what instances would PAEE extend a work order das date through a Fael Safety £ In what instances would PAEE extend a work order das date through a Fael Safety £ In what instances would a Simptonia order through a work order das date of Phonice £ In what instances would a Simptonia Charge hast be extending a work order das date? Phonice £ In what instances would a Simptonia Charge hast be extending a work order das date? Phonice £ In what instances would a Simptonia Charge hast be extending a work order and extending £ In what instances would a Simptonia Charge hast be extending a work order and extending £ In what is a work or the work order what is the text course. £ In what in work order would be allowed be reassessment as seen in Charge In Reason £ In what is the work order what work order with the hast becomes £ In white non-left TD, PCAE included 19 Priority if here is not orders were closed in 2022 and £ In white non-left TD, PCAE included 19 Priority if here is not orders were associated with including details £ In white non-left TD, PCAE included 19 Priority if here is non-lower to priority in the close of the priority in which the 13 decaded wink can did the extending to the page with the priority in which the 13 decaded wink can did the extending to the page with the priority in which the 13 decaded wink can drive the PTETD. £ Provide a last of the projects in which the 13 decaded wink can drive the PTETD. £ Provide a last of the projects in which the 13 decaded wink can drive were associated with including details on the associated militagrito being used. £ Provide Peace Area of Sampton has required to a better or or or or work were associated with each of the excention of the sociated and page the complete of the provided pagines where the PTETD wi		Dakota Smith	5/18/2023	5/23/2023					8.1.7	Open Work Orders	N/A
385	OEIS	006	OEIS_006	2	OEIS_006_Q2	Regarding PG&E's Other Data Requests: a. Provide the following confidential attachments from Callutvocates Data Requests: i. Attachment 1 in response to Data Request 19 Question 13. ii. Attachment 1 in response to Data Request 21 Question 3.	The CONFIDENTIAL attachments are being provided pursuant to the accompaning conflorefailily declaration. accompaning conflorefailily declaration. Big. 004.0002Atch10/CONF-pip* for the requested conflored attachments provided to California declarations are requested conflored attachments provided provided to California of the Califor	Dakota Smith	5/18/2023	5/23/2023	5/23/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/0EIS_006.zip	2	N/A	N/A	N/A	N/A
386	OEIS	006	OEIS_006	3	OEIS_006_Q3	Jiii Attachment I Increscores In Data Becureut 22 Chestion 7 Regarding PSdSE response to ITMIX but Data Request 7, Question 3: a. For each of the circuit segments listed in part (b), provide the following via Excel: ii. WFE score: ii. SWRSE iii. Esabelbits scores.	In Distance seek "Valued bill/colone". The Turk is that bill put part to the Medical Please see attachment "VMM-Distance vary 2023 Dr. Q (SES). 500 d-000344101 stant" for the requested circuit segment detail. Please note the following: - There are differences between the WDRM V2 and the WDRM V3 and it, as a result, there are five circuit segments that have a V3 risk score but do not have a V2 risk score.	Dakota Smith	5/18/2023	5/23/2023	5/23/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/0EIS_006.zip	1	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
387	OEIS	007	OEIS_007	1	OEIS_007_Q1	III. Essabilità accresi. Ol Regarding Services provided to customers due to PSPS and wildfire emergencies in Section 8.4.6, the full extent of services PGSE provides to customers due to PSPS and wildfire emergencies is unican. Describer PGSE is ful scope of services for each service islade (a, b, c, etc.) below us a trelates to PSPS and wildfire emergencies and the segment of customers served for that service. In its discussion of each service, advantage to the meastions under each lated of that service in this discussion of each service and extens the meastions under each lated.		Alan Solomon	5/24/2023	5/30/2023				8	3.4.6	Emergency Preparedness	Customer Support in Wildfire and PSPS Emergencies
388	DEIS	008	OEIS_008	1	OEIS_008_Q1	Regarding Vegetation Management Objectives In Table 8-12 of PG&Es 2023-2025 WMP, it states that one of its objectives is to "Determine value of a multi-year historical tree data set."		Dakota Smith	5/25/2023	5/31/2023				8	3.2.1.1	Vegetation Management	EVM
389	DEIS	008	OEIS_008	2	OEIS_008_Q2	Le Equation of the facility of		Dakota Smith	5/25/2023	5/31/2023				8	3.1.2.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
390	DEIS	008	OEIS_008	3	OEIS_008_Q3	Regarding Inspection Find Rates a. Provids PG&E's work order find rate for distribution detailed and patrol inspections respectively, broken down by quarter from 2018 to 2022.		Dakota Smith	5/25/2023	5/31/2023				ŧ	3.1.3.2	Asset Inspections	Distribution Asset Inspections

391	OEIS	008	OEIS_008	4	OEIS_008_Q4	Regarding PG&E's response to TURN DR 10 Question 4 a. Provide Attachment 1 with the following additional columns: L. Leight of line (ri) d. V.P. Risk Score ii. V.P. Risk Score ii. V.P. Risk Score		Dakota Smith	5/25/2023	5/31/2023					Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 – Revise Process of Prioritizing Wildfire Mitigations
Pre-Discovery 01	CalPA	Set WMP-01	CalPA_Set WMP- 01	1	CalPA_Set WMP-01_Q	Office of Energy Infrastructure Safety (Energy Safety) in 2023 that is related to your WMP. 1 Provide the copy to Cal Advocates within one business day of the document's submittal to Energy Safety. (If you have submitted the document to Energy Safety in 2023 prior to this data request, please provide a corpus as soon as nossible and no later than 10 business days from the issuance.	applicable rules and decisions of the Commission or and any other statutes, orders, rules, or laws limiting the regulatory authority and urisdiction of the Commission. In particular, PG&E phiects to	Holly Wehrman	2/7/2023	2/14/2023	2/14/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_001.zip	0	N/A	N/A	N/A	N/A
Pre-Discovery 02	CalPA	Set WMP-01	CalPA_Set WMP- 01	2	CalPA_Set WMP-01_Q	Please provide a copy of your WMP pre-submission within two business days of its submission to Energy Safety	pre-submission to Energy Safety. Please note that this document is not our final WMP submission and may be subject to revision before the final WMP is submitted in March. Additionally us hour designated this action submission as confidential to allow with Energy.	Holly Wehrman	2/7/2023	2/15/2023	2/15/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 001.rip	1	N/A	N/A	N/A	N/A
Pre-Discovery 03	CalPA	Set WMP-01	CalPA_Set WMP- 01	3	CalPA_Set WMP-01_Q	data files, and confidential attachments) on the same business day that the document is sent to Energy Safety	Safety's remaining in common and an interest state of the time of the time or extension. In addition to all general objections, PGES specifically object to this request on the grounds that it is unduly burdensome. PGSE further objects to this request as the information requested is vague, ambiguous, and overtroad. Lasty, PGSE objects to this request on the grounds that it seeks to impose an continuing response obligation on the responding party. Continuing discovery	Holly Wehrman	2/7/2023	2/14/2023	2/14/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	N/A	N/A	N/A
Pre-Discovery 04	CalPA	Set WMP-01	CalPA_Set WMP- 01	4	CalPA_Set WMP-01_Q	Provide a copy to Cal Advocates of all your confidential responses to WMP discovery requests, on the same business day that you send the documents to the issuer of the discovery request.	chlimations are not nermitted under California Issu. Bless. v. Exon Mibil Com. 124.6 Ann.4th. In addition to all general objections. PGES specifically objects to this request on the grounds that it is unduly burdensome. PGEs further objects to this request as the information requested is vague, ambiguous, and overtroad. Lastly, PGSE objects to this request on the grounds that it seeks to impose a continuing response obligation on the responding party. Continuing discovery	Holly Wehrman	2/7/2023	2/14/2023	2/14/2023	https://www.pec.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 001.zip	0	N/A	N/A	N/A	N/A
Pre-Discovery 05	CalPA	Set WMP-02	CalPA_Set WMP- 02	1	CalPA_Set WMP-02_Q	Please identify and provide a copy of all quality assurance or quality control (QAVQC) reports Conducted by internal entitles that were completed since January 1, 2022 and that examined any programs, initiatives, or strategies described in your 2022 WMP Update.	colimations are not necritisful under California law. Bleav. Exem Mobil Com. 124 California Mobi	Holly Wehrman	2/7/2023	3/7/2023	3/7/2023	https://www.oge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 002.zip	6	N/A	N/A	N/A	N/A
Pre-Discovery 06	CalPA	Set WMP-02	CalPA_Set WMP- 02	2	CalPA_Set WMP-02_Q	Please identify and provide a copy of all quality assurance or quality control (QA/QC) reports conducted by external entities that were completed since January 1, 2022 and that examined any programs, initiatives, or strategies described in your 2022 WMP Update. External entities include, but are not limited to, consultants, contractors, auditors, court-appointed monitors, and	deubloomte communication Keu Darformanco Indicators (MDIs) and modules. The PG&E independent Safety Monitor Status Update Report, dated October 4, 2022, discusses programs and initiatives described in our 2022 VMIP. Please find the document here: https://www.cpuc.ca.gov/-Inedia/cpuc-website/industries and topics/documents/gegloversight-and-enforcement/lams-status-update-report-q3-2022 by and offerorements.	Holly Wehrman	2/7/2023	3/7/2023	3/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_002.zip	1	N/A	N/A	N/A	N/A
Pre-Discovery 07	CalPA	Set WMP-02	CalPA_Set WMP- 02	3	CalPA_Set WMP-02_Q	Indexendent Exaliators. Provide an Excel table of all defects in the year 2022 found by Energy Safety's Compliance Branch (as rows) that includes the following information in separate columns. 3) Associated circuit name b) Defect type 1) Defect type	Please see attachment "WMP-Discovery2023_DR_CallAdvocates_002-Q03Atch01CONF.xis." for a list of all alleged defects identified in December 2021 by the Office of Energy Infrastructure Safety ("Energy Safety"). Please note these defects were issued as notification of defects in March 2022.	Holly Wehrman	2/7/2023	2/22/2023	2/22/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_002.zip	1	N/A	8.1.3	Asset Inspections	N/A
Pre-Discovery 08	CalPA	Set WMP-03	CalPA_Set WMP- 03	1	CalPA_Set WMP-03_Q	h Circuit ID acceptor	Sease route the followine: PGSE is providing the requested distribution information at the circuit level in attachment "WMP-Discovery/IDS2 DR, Calikhocates, 003-000 flukhot 1-ses: Included in the table below are noise start document assumptions in the methology for data colocition. Where we have not included any notes, the data provided did not require adaptations or assumptions in answering the request.	Holly Wehrman	2/7/2023	3/10/2023	3/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_003.zip	2	N/A	8.1.3	Asset Inspections	Distribution
Pre-Discovery 09	CalPA	Set WMP-03	CalPA_Set WMP- 03	2	CalPA_Set WMP-03_Q	Total circuit prise. Total circuit prise. Total circuit prise. Total circuit prise provide an Except able of all transmission circuits existing as of January 1, 2023 (as rows) that includes the following information in separate columns. Circuit Drumber of Columns (Columns). Total circuit prise.	any inters, we disal protected with the register disappears of the register disappears in an interesting size register. PGGE is providing the requested transmission information at the circuite level in the attachment named "WMP-Discovery/02D_JBC_Calif-Discovery/02D_JBC_Calif-Discovery/02D_JBC_Calif-Discovery/02D_JBC_Calif-Discovery/02D_JBC_Calif-Discovery/02D_JBC_DISCOVERY_02D_JBC_CALIF-DISCOVERY_02D_JBC_DISCOVERY_02	Holly Wehrman	2/7/2023	3/10/2023	3/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_003.zip	0	N/A	8.1.3	Asset Inspections	Transmission
Pre-Discovery 10	CalPA	Set WMP-03	CalPA_Set WMP- 03	3	CalPA_Set WMP-03_Q	2. Total cinital miles. Total cinital miles. Through an Excell table of all distribution circuits existing as of January 1, 2022 (as rows) that were removed or decommissioned in 2022, either partially or ertiroly. This includes permanent errorous (extraord or overhead time stuff were moved undergood, or overhead fires that were control undergood, or overhead fires that were control undergood, or overhead fires that were control undergood or overhead fires that were control undergood or overhead fires that were control undergood or overhead fires of the control undergood or overhead fires of the control undergood or could used fires of January 1, 2022 (as rows) that	Attached is "MMP-Discovery/2023 DR. Callydrocates, 003-0003Atch01 xtbx", which provides information regarding removals of primary distribution lines in HFTD in 2022, which is the subset of the requested information available at this time. PG&E does not track line removals when relocating overhead to underground, removing secondary services, or removing lines in non- HFTD. Einther. our GRS cannot be used to obtain this information notronatheb because when	Holly Wehrman	2/7/2023	3/10/2023	3/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_003.zip	1	N/A	8.1.2	Grid Design and System Hardening	Work Performed in 2022
Pre-Discovery 11	CalPA	Set WMP-03	CalPA_Set WMP- 03	4	CalPA_Set WMP-03_Q	Priorize an Eucle state of all stratemission orocus ensuring as of Jainuty 1, 2022 (as rows) that were removed or decommissioned in 2022, either partially or entitley. This richuste permanent 4 removal, removal of overhead lines that were moved underground, or overhead lines that were decommissioned but not physically promoved. Includes the following riformation in separate colorizations.	Please see "WMP-Discovery2023_DR_CalAdvocates_003-Q004Atch01.xisx.	Holly Wehrman	2/7/2023	3/10/2023	3/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 003.zip	1	N/A	Grid Design and System Hardening	System Hardening	Work Performed in 2022
Pre-Discovery 12	CalPA	Set WMP-03	CalPA_Set WMP- 03	5	CalPA_Set WMP-03_Q	circust or circust-segment influenced where you performed work in 2022. 5. a. EVM. b. Covered conductor installation c. Undergrounding	(WDRM). The refined output from the 2021 WDRM is referred to as the EVM Tree-Weighted Prioritization. The EVM Tree-Weighted Prioritization prioritized the high risk CPZs with the associated miles and estimated tree work to produce the 2022 EVM Scope of Work as described.	Holly Wehrman	2/7/2023	3/10/2023	3/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural: disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_003.zip	0	N/A	2022 WMP Section 7.1	Wildfire Mitigation Strategy Development	N/A
Pre-Discovery 13	CalPA	Set WMP-03	CalPA_Set WMP- 03	6	CalPA_Set WMP-03_Q	a. EVM	Inthe 2022 WMMP Section 7.1 B. B. 2022. the coals for the EAM recommuner. (11) newforms at 1.1 The 2022 EVM Scope of Work was based on the prioritation from the 2021 Bit of circuit protection zones informed by the EAM Tire Weighed Prioritization barring external factors and inversiging efficiency of barring where possible. 1. The circuit segments selected for the installation of covered conductor in the System Alteriorism common users haved on the binets stiffler in the related described in resonance to	Holly Wehrman	2/7/2023	3/10/2023	3/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_003.zip	0	N/A	2022 WMP Section 7.1	Wildfire Mitigation Strategy Development	N/A
Pre-Discovery 14	CalPA	Set WMP-03	CalPA_Set WMP- 03	7	CalPA_Set WMP-03_Q	Covered constactor installation For each VMP inflation lasted below, please state how the modeled Wildfer Risk Scores for each For each VMP inflation lasted below, please state how the modeled Wildfer Risk Scores for each 2 EVM Some edition of the state of	5. The creative segments selected for the detailsated of covered collection in the system and PAGE is not concluding SMM and SMM an	Holly Wehrman	2/7/2023	3/10/2023	3/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_003.zip	0	N/A	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
Pre-Discovery 15	CalPA	Set WMP-03	CalPA_Set WMP- 03	8	CalPA_Set WMP-03_Q		In the circuit segiments selected on the highest widthe risk criteria described in response to Question 7(b). To then sequence projects, PG&E assesses the dependencies and readiness of each project based on the stance of the work (e.g., designipolestimation, permit acquisition, a. PG&E is not constitute PGM in 2024.	Holly Wehrman	2/7/2023	3/10/2023	3/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 003.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
Pre-Discovery 16	CalPA	Set WMP-03	CalPA_Set WMP- 03	9	CalPA_Set WMP-03_Q	each circuit or circuit-segment influence where you plan to perform work in 2024.	b. Please refer to the response to Question 7b, which also applies to 2024. c. Please refer to the response to Question 7c, which also applies to 2024. d. Please refer to the response to Question 7d, which also applies to 2024. e. For transmission line, there is no transled work named in 2024 for orid sectionalization. For DCBE is not conducting CMIA in 2024.	Holly Wehrman	2/7/2023	3/10/2023	3/10/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 003.zip	0	N/A	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
Pre-Discovery 17	CalPA	Set WMP-03	CalPA_Set WMP- 03	10	CalPA_Set WMP- 03_Q10	circuit or circuit-segment influence how work in 2024 will be sequenced. a. EVM	Please refer to the response for Question 8b, which also applies to 2024. Please refer to the response for Question 8c, which also applies to 2024.	Holly Wehrman	2/7/2023	3/10/2023	3/10/2023	nttps://www.pgc.com/pgc.gooba/common/pds// safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 003.zip https://www.pgc.com/pge_global/common/pdfs/	0	N/A	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
Pre-Discovery 18	CalPA	Set WMP-04	CalPA_Set WMP- 04	1	CalPA_Set WMP-04_Q	Lovered conductor resultations To each WMP intrinshe for which you forecast capital expenditures in 2023 to be at least two stress exhall capital expenditures in 2022, please provide: 1) The name of the initiative as it is definited in your 2023-2025 VMMP 1) The VMP initiative number in Table 11 of your 2023-2025 VMMP 1. The second refer initiative as it is desired in succe 2022-2048 VMMP 1. The second refer initiative as it is desired in succe 2022-2048 VMMP 1. The second refer initiative as it is desired in succe 2022-2048 VMMP	a. These is no burner in the interest of the control in 2024 for not interestination for both transmission on the page 3022 MWP through a characteristic and the control in 2023 MWP through a characteristic and but of in 1864 if from Energy Salety. As the 2023 WWP is an ene cycle with new mapping of financials by activities that alique with the 2023 WWP return the present is not an applete-begine re-mapping of costs back to the 2022 WWP view. Thus, the comparison can only be made using the 2023 WWP view. Below so the 2023 WWP view.	Holly Wehrman	2/7/2023	3/7/2023	3/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_004.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	Section 4.3	Proposed Expenditures	N/A
Pre-Discovery 19	CalPA	Set WMP-04	CalPA_Set WMP- 04	2		The comm of the initiative as it is identified in succ. 2022 MURE I lotted: For each VMP Initiative for vielding to increast capital rependances in 2024 to be at least two stress exclusic capital expenditures in 2022, please provide: 2.3 The manner of the initiative as it is identified in jour 2023-2025 VMP 9.3 The VMP Initiative number in Table 11 of jour 2023-2025 VMP 9.3 The VMP Initiative number in Table 11 of jour 2023-2025 VMP For each VMP Initiative for vielding jour processing processing strength or the VMP Initiative for vielding jour processing systems (and the VMP Initiative for vielding jour process) greatering responding in 2023 to be at least two	The control of the co	Holly Wehrman	2/7/2023	3/7/2023	3/7/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 004.zip	0	N/A	Section 4.3	Proposed Expenditures	N/A
Pre-Discovery 20	CalPA	Set WMP-04	CalPA_Set WMP- 04	3	CalPA_Set WMP-04_Q	times actual operating expenditures in 2022, please provide: a) The name of the ristance as its identified in your 2023-2025 WMP b) The WMR Initiative number in Tabel 1 of your 2023-2025 WMP c) The name of the initiative as it is identified in your 2023-2025 WMP loads for the initiative as it is identified in your 2022-WMRP Initiative for which you forecast operating expenditures in 2024 to be at least two	Energy Safely, As the 2023 WIMP is a new cycle with new mapping of financials by activities that align with the 2023 WIMP narrative, there is not an apples-to-apples re-mapping of costs back to the 2022 WIMP view. Trus, the comparison can only be made using the 2023 WIMP view. Below ser the 2023 WIMP activities and section numbers where 2023 nonrating expenses. a) 2023 WIMP financials are mapped per WIMP instant Activities as tall out in Table 11 from	Holly Wehrman	2/7/2023	3/7/2023	3/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 004.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	Section 4.3	Proposed Expenditures	N/A
Pre-Discovery 21	CalPA	Set WMP-04	CalPA_Set WMP- 04	4	CalPA_Set WMP-04_Q	fimes actual operating expenditures in 2022, please provide: 4 a) The name of the initiative as it is identified in jour 2023-2025 WIMP b) The WIMP initiative number in 1stale 11 of your 2023-2025 WIMP c) The name of the initiative as at it; identified in your 2023-2025 WIMP loads in response to Data Request CaliforAccease-PGE-2022WIMP-31 on September 8, 2022, PG&E in response to Data Request CaliforAccease-PGE-2022WIMP-31 on September 8, 2022, PG&E	Energy Safety, As the 2023 WMP is a new cycle with new mapping of financials by activities that align with the 2023 narrative, there is not an applies-to-applies re-mapping of costs back to the 2022 WMP view. Thus, the companion can only be made using the 2023 WMP view. Below are the 2023 WMP activities and section numbers where 2024 operation expense forecasts are at	Holly Wehrman	2/7/2023	3/7/2023	3/7/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 004.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	Section 4.3	Proposed Expenditures	N/A
Pre-Discovery 22	CalPA	Set WMP-05	CalPA_Set WMP- 05	1		provided information regarding its Wildline Distribution Risk Model version 3 (WDRM v3). Please provide an updated response to questions 1-7 of the above-referenced data request, including any new or changed information since PG&E's original response. If the response to a question bas not changed information sindicate. 3.1 Haw we up identified transportation contriders within your sequice territory where failing or failing.	No changes have been made to WDRM v3 since the September 8, 2022 response. a) The potential of falling or falling lines or poles near identified transportation corridors is not	Holly Wehrman	2/10/2023	3/10/2023	3/10/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 005.zip https://www.pec.com/pee_slobal/common/pdfs/	0	N/A	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	WDRM √3
Pre-Discovery 23	CalPA	Set WMP-05	CalPA_Set WMP- 05	2		lines or poles could currently limit egress and/or ingress during an emergency? 2 b) if the answer to part (a) is yes, please describe how you identify such transportation corridors. c) if available, please provide a geospatial data file that contains all current identified transportation corridors with incress and excess hazards.	currently reflected in our risk modeling. PG&E Public Safety Specialists with experience as career wildrand frieflighters have reviewed general egress and/or ingress concerns when evaluating circuits or circuit segments for potential system hardening work. bit Not annicable.	Holly Wehrman	2/10/2023	3/10/2023	3/10/2023	safety/emergency-preparedness/natural- disaster/willdfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 005.zip https://www.pse.com/pse_elobal/common/pdfs/	0	N/A	8.1.3	Asset Inspections	N/A
Pre-Discovery 24	CalPA	Set WMP-05	CalPA_Set WMP- 05	3	CalPA_Set WMP-05_Q	Please fit out the attached spreadeheet, CalAdvocates-PGE-2023WMP-05 Attachment 1, requesting information regarding your asset inspections in 2022. Please augment Table 13 of the non-spatial data tables in your WMP Quarterly Data Report for	Please see attachment "WMP-Discovery2023_DR_CalAdvocates_005-Q003Atch01.xisx" for the requested information a-b. Please see attachments "WMP-Discovery2023_DR_CalAdvocates_005-Q004Atch01.xisx"	Holly Wehrman	2/10/2023	3/10/2023	3/10/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 005.zip	1	N/A	8.1.3	Asset Inspections	Inspections completed in 2022
Pre-Discovery 25	CalPA	Set WMP-05	CalPA_Set WMP- 05	4	CalPA_Set WMP-05_Q	Q4 of 2022, which reports asset-related corrective notifications on electric circuits that were	for the requested Distribution information and "MMP Discovery2023 DR Calledvocates 005- Q004Ab/D23bb;" for the requested Transmission information. C. Plass rote that columns 1, and will not be available for Distribution and Transmission information. C. Plass are to the touckness 1, is, and will not be available for Distribution and Transmission circuits until the 2023 OH Ouasterly Data Record (IODR) because the data is not ready, and due to	Holly Wehrman	2/10/2023	3/10/2023	3/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 005.zip https://www.pge.com/pge_global/common/pdfs/	2	N/A	2022 Q4 QDR	Р	tags
Pre-Discovery 26	CalPA	Set WMP-06	CalPA_Set WMP- 06	1	CalPA_Set WMP-06_Q	workpin should be in an Excel format, with circut-segments as rows. Please include the following information in separate columns in the Excel spreadsheet at a minimum: a) Circuit harme b) Circuit harme b) Circuit harme b) Circuit harme c) Circuit harme b) Circuit harme c) Circ	The EVM program concluded at the end of 2022. There is no EVM workplan for 2023	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 006.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	2023-2025 WMP 8.2.3	Vegetation Management	EVM
Pre-Discovery 27	CalPA	Set WMP-06	CalPA_Set WMP- 06	2	CalPA_Set WMP-06_Q	Information in separate columns in the Excel spreadsheet at a minimum:	The EVM program concluded at the end of 2022. There is no EVM workplain for 2024. Please see "WMM-Discovery2023_DR_CallAvivocates_006-Q003Atch01.xisx" for actual 2022 EVM mileage data broken down by circuit segment.	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 006.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	2023-2025 WMP 8.2.3	Vegetation Management	EVM
Pre-Discovery 28	CalPA	Set WMP-06	CalPA_Set WMP- 06	3	CalPA_Set WMP-06_Q	a) Cross Tames ACT Control District Conference (PGE-50227WMP-11, Question 2, March 3, 2022, PGE provided in 2022 PM workpin. Pease provide an applied version of this workpin that 18 bits the actual EMP integrape provide in accordance growing an applied version of this workpin that 18 bits the actual EMP integrape provider in accordance agreement 2022 as zero column. Result in the size of the actual EMP integration to the actual EMP integration of the	Table 50 Wint - Indicate special To Committee and To Comm	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	nttps://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 006.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	2022 WMP 7.3.5.2	Vegetation Management and Inspections	Enhanced Vegetation Management
Pre-Discovery 29	CalPA	Set WMP-06	CalPA_Set WMP- 06	4	CalPA_Set WMP-06_Q	In response to Unital requires Currouch 2002-7-192-202-2019-19, Openal III., 1901-190. PG&E stated the floolwing: Through 2022, the EVM program includes strike trees evaluation and 4 hazard trees mitigation, overhang clearing and radial clearance. Starting in 2023, Enhanced VM only includes overhang clearing: a) is the statement above still accurate as of the date of this request?	Management (EVM) program concluded at the end of 2022. b) Three new VM programs will be incorporated into the 2023 workplan. These programs for VM are Focused Tree inspections, VM for Operational Milisplanics, and Tree Removal Inventory. - Focused Tree Inspections: We developed specific areas of focus (inferred to as Areas of	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	https://www.ope.com/pge_global/common/pdts/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 006.zip	0	N/A	2022 WMP 7.3.5	Vegetation Management and Inspections	Program Costs

Pre-Discovery 30	CalPA	Set WMP-06	CalPA_Set WMP- 06	5	CalPA_Set WMP-06_Qt	In response to Data Request CalAdvocates-PGE-2022WMP-15, Question 16, March 18, 2022, PG&E provided the following table, which shows spending on vegetation management programs in thousands of dollars (actual figures for 2019-2021 and forecast figures for 2022-2023): Please update first table as follows:	Please see updated table below with 2022 Actuals, and our current forecasts for 2023 and 2024.	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	Vegetation Management	N/A	N/A
Pre-Discovery 31	CalPA	Set WMP-06	CalPA_Set WMP- 06	6	CalPA_Set WMP-06_Q6	8 worksite where the contractor's actions created a safety hazard for either workers or the general public.	Please refer to Attachment "WIMP-Discovery2023_DR_CalAdvocates_006- Q006Ash01CONF star." for a list of all contractors involved safety incidents that took place in 2022. This data includes, but is not limited to: - Contractor Name/ParentCo-The contractor/parent company involved in the incident.	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	plan/reference-docs/2023/CalAdvocates 006.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 006.zip	1	N/A	Vegetation Management	N/A	N/A
Pre-Discovery 32	CalPA	Set WMP-06	CalPA_Set WMP- 06	7	CalPA_Set WMP-06_Q7	PG&E provided its 2022 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 2022 for each of these	comprehensive list of 2022 projects. Similarly, the 2020 columns were only for projects that overlapped with 2021 completed miles. It did not represent a comprehensive list of 2020 projects.	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wilddfre-mitigation- plan/reference-docs/2023/CalAdvocates 006.zip	1	N/A	2022 WMP Section 7.3.3.17	Grid Design and System Hardening	System Hardening
Pre-Discovery 33	CalPA	Set WMP-06	CalPA_Set WMP- 06	8	CalPA_Set WMP-06_Q8	cateopoies. Please acid craves, as cenefied to nowest all circuit accomposits where PCRE restformed. Provide your workplain that describes where and when you will perform system hardening on distribution circuits in 2023. For projects that you expect to partially complete in 2023 (i.e., 3 projects that started before 2023 and are expected to continue in 2023, or projects that are expected to be completed after 2023, please include the project and report the work that you forecast will actually be needformed in calendary ware. 2019.	Please see attachment "WMP-Discovery/2023_DR_CallAdvocates_008-Q008Atch01CONF.xisx." a. See columns A (order number), and B (order description) b. See columns C. c. See column D. d. See Co	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/willdfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_006.zip	1	N/A	2023 WMP Section 8.1.2.5	System Hardening	N/A
Pre-Discovery 34	CalPA	Set WMP-06	CalPA_Set WMP- 06	9	CalPA_Set WMP-06_QS	Provide your workplan that describes where and when you will perform system hardening on distribution circuits in 2024. For projects that you expect to partially complete in 2024 (i.e., projects that are expected to start before 2024 and are expected to continue in 2024, or projects that are expected to be completed after 2024, juisase include the project and report the work that your forecast will actually be performed in calendar war 2024.	A. Sen columns. E. Please see "WIM-Discovery2023_DR_Calidvocates_006-0008Atch01CONF_xtsx." a. See columns A (order number), and B (order description) b. See columns C. c. See columns D. d. See colum	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 006.zip	0	N/A	2023 WMP Section 8.1.2.5	System Hardening	N/A
Pre-Discovery 35	CalPA	Set WMP-06	CalPA_Set WMP- 06	10	CalPA_Set WMP- 06_Q10	For each of your 2023-2025 WMP system hardening initiatives, please provide disaggregated information related to expenditures and circuit miles treated in the attached table, CalAdvocates PGE-2023WMP-06 Attachment 1. Add columns as needed.	Please see details on the cost and mileage breakouts in attached file "WMP Discovery2023_DR_CalAdvocates_006-Q010Atch01.xtsx.	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 006.zip	1	N/A	2023 WMP Section 4.3	Proposed Expenditures	System Hardening
Pre-Discovery 36	CalPA	Set WMP-06	CalPA_Set WMP- 06	11	CalPA_Set WMP- 06_Q11	following information (as columns): a) Project ID number or other identifier b) Circuit ID	See "WMP-Discovery2023_DR_Callshocates_006-Q011Atch01CONF.stsx." a) Project ID number or other identifier – See columns A (order Number) and B (Order Description) b) Circuit ID – See column C L) ID of each forinit seemeet that was settirely undercorounded in the project – Our undercoroundion.	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural: disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_006.zip	1	N/A	8.1.2.2	Grid Design, Operations, and Maintenance	Undergrounding of Electric Lines and/or Equipment
Pre-Discovery 37	CalPA	Set WMP-06	CalPA_Set WMP- 06	12	CaIPA_Set WMP- 06_Q12	Please provide a goodstabase file with a polyline feature for each undergrounding project completed during the period of January 1, 2022 through December 31, 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 the previous question Jul Circuit ID.	See attachment "WMP-Discovery2023_DR_CalAdvocates_006-Q012Atch01CONF.zip." Please note that the data reflected in this GIS geospatial file will not match the data set from Q11 due to the process time lag between construction completion and being fully mapped in GIS.	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_006.zip	1	N/A	8.1.2.2	Grid Design, Operations, and Maintenance	Undergrounding of Electric Lines and/or Equipment
Pre-Discovery 38	CalPA	Set WMP-06	CalPA_Set WMP- 06	13	CalPA_Set WMP- 06_Q13	Identify any junitons in 2022 associated with assets where you had an existing corrective notification at the time of the ignition. Please provide a spreadsheet listing each such ignition (as rows) with the following information in separate columns: a) Urique ignition ID b). Date of incinion.	Please see the table below identifying 2022 CPUC reportable ignitions where the asset involved in the ignition was associated with an existing open corrective maintenance notification at the time of the event. Ignition ID Date of Jonation.	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 006.zip	0	N/A	2022 WMP Section 7.3.4	Asset Management and Inspections	N/A
Pre-Discovery 39	CalPA	Set WMP-06	CalPA_Set WMP- 06	14	CalPA_Set WMP- 06_Q14	a) Has PGAE's Asser Failure Analysis Team causally connected any ignitions that occurred in 2022 to assets with existing asset or registation corrective notifications at the fine of ignition? b) if the answer to part (a) is yes, please provide the following information on each such ignition: Unique ignition ID markning the previous persistion). I. Date of protion. PCRAE's response to Data Request Callydrocates-PGE-2022WINP-17, Question 13, March	a) Yes, please see below. b) Two (gallions have been identified that meet these criteria: gallion ID Date of Igallion Cause Type of Corrective Notification Copies of Associated	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_006.zip	0	N/A	2022 WMP 7.3.7	Data Governance	Asset Failure Analysis
Pre-Discovery 40	CalPA	Set WMP-06	CalPA_Set WMP- 06	15	CalPA_Set WMP- 06_Q15	Per PG&E: a response to Data Request CaliAncoates-PGE-2022WMP-17, Question 13, March 24, 2022, PG&E: is respection strategy in 2022 was to complete detailed inpections on all assets in HFID Tier 3 and Zone 1, and approximately one-third of assets in HFID Tier 2, a) Please describe any changes to the above strategy for PG&E's detailed distribution inspections in 2023. Regarding your PSPS circuit modeling capabilities:	L'Cories A Missociation de 2023, PG&E's detailed inspections of distribution structures in high fire areas will all Begrinning in 2023, PG&E's detailed inspection or each structure de visit fire areas will poil. Every position of the properties of the properties of the position of the passes o	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_006.zip	0	N/A	2022 WMP 7.3.4.1 and 7.3.4.14	Asset Management and Inspections	N/A
Pre-Discovery 41	CalPA	Set WMP-06	CalPA_Set WMP- 06	16	CalPA_Set WMP- 06_Q16	a) Please describe your present circuit modeling capabilities with regard to PSPS decision making ("PSPS circuit modeling capabilities"), including with what level of granularity they are able to determine how circuit hardening efforts or other changes to a line segment will affect DSPS thank-link.	which a utility can model the configuration of its electrical assets and de-energize them as such. PG&E models and de-energizes circuits utilizing all switching devices on the system that do not pose ignition risks. The effects of hardening and other changes to lines will be accounted for by one IDM models which were models also received to constitute and configuration and under the configuration of the configuration of the constitution and configuration and under the configuration of the configuration of the configuration of the configuration and under the configuration of the config	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural: disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 006.zip	0	N/A	PSPS	N/A	N/A
Pre-Discovery 42	CalPA	Set WMP-06	CalPA_Set WMP- 06	17	CalPA_Set WMP- 06_Q17	level?	a) Yes. This is cited in Section 6.2.1, figure 6.2.1-3. b) No. c) Please see "WMP-Discovery/2023_DR_CalAdvocates_008-Q017Atch01CCNF.zip" which is a geodatabase file containing the circuit segments along with PSPS risk values and Circuit Segment, Joness-Dus In bine different circuit sements viatores accordinately 40.0 His circuit sements.	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural: disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_006.zip	2	N/A	PSPS/EPSS	N/A	N/A
Pre-Discovery 43	CPUC - SPO (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division), (01)	1	CPUC - SPD (Safety Polley Division)_001_01	REFCL Impaires: -REFCL Projuries: -REFCL Projuries: -REFCL Projuries: -REFCL Projuries: -REFCL Projuries: -REFCL Projuries: -REFCL REFCL REFCR REFCL REFCR REFCL REFCR REFCR REFCL REFCR REFCL REFCR REFCL REFCL REFCR REFCL REFCR REFCR REFCL REFCR REFCL REFCR	The DETECT, suppress installed in the substation profess of the primary lose or both Calcidage circuit. Three settings priced above for charged and sententiny and regist pollution and the primary income could be provided as the confidence of the primary income could be provided as the primary could be presented as the primary could be presented as the country of the primary could be presented as the country of the country	Wendy Ashhilidad	2232023	3/9/2023	3/9/2023	bitas://www.pec.com/gee_dobal/rommon/gds/ .admir/mergence-generates-afmirusi- donate/a/dobas-e/deffe-mergence- plan/reference-docs/2023/SPD_003.ap	O	N/A	81813	Gris Operations and Procedures	Settings of Other Emerging Technologies (e.g., Repel Earn Paul Current Limiters)
Pre-Discovery 44	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	2	CPUC - SPD (Safety Policy Division)_001_Q2	EPSS & Supporting Technologies (DCD & Partial Votage Detection) Inquiries: -Explain all activities planned to mitigate EPSS reliability impacts. olive customer support programs (e.g., battery backup) distinct from or linked to those in place for PSPS implementation? -Explain Security Court of Suit autition for EPSS anabilist current support.	a. The following incudes activities on-going and planned to mitigate EPSS reliability impacts: Enhanced Cutage Review Team (ORT) process that includes additional review of circuit/Circuit Protection Zone (EPZ) performance that when multiple outages occur triggers a Multiple Outage Review MMDRP to drive additional actions of the needed to nettine repeat outages online forward.	Wendy Al-Mukdad	2/23/2023	3/9/2023	3/9/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_001.zip	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
Pre-Discovery 45	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	3	CPUC - SPD (Safety Policy Division)_001_Q3	Evalua Secretive Scruard East settions for EPSS enabled circuit seconords EPSS & REFCL (Degrates: 4PSS vs REFCL — Describe the major similarities and differences. of what are advantages and disadvantages? In terms of capability, sectionalization, safety, and reliability? 4Phoses on Carmon East vs x Comment Militerbase I East, What is the ciris nortific of existing.	- Continuin Proactive Venestation Trimition on the Ton. 12 circuit seminent, that seen identified a lin concept, EPSS and REPCLs are two very different approaches that share a common goal of attempting to reduce risk associated with ignitions on primary electric distribution systems. IEPSS — advantages: - Can be implemented on mostly existing equipment and relays. - Sequence incident fait enerory, access all beness of fairly. (Themendasse, linear, line,	Wendy Al-Mukdad	2/23/2023	3/9/2023	3/9/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_001.zip	0	N/A	8.1.8.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
Pre-Discovery 46	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	4	CPUC - SPD (Safety Policy Division)_001_Q4	General risk reduction inquiry: -What's PG&E's goal for long-term risk reduction, particularly reduction of likelihood of ignition and also reduction of consequences, for circuits in HFTDs that are not undergrounded?	- Bendence incident fault enema, agross all brees of faults. Otherschisse. Illends. Inc. Bendo. PRGES is tog temp goal is to maximum sink reduction by undergounding high widther sick locations. For location that will not be undergounded, se will continue to deplay our saile of Operational Mitigations and other System Resilience Mitigations. Operational Mitigations and other programs such as EPSS, equipment maintenance and repair, vegetation management for operational PPGES has designated the entire operations and experiments of the entire operational programs.	Wendy Al-Mukdad	2/23/2023	3/9/2023	3/9/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_001.zip	0	N/A	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
Pre-Discovery 47	Green Power Institute (GPI)	001	Green Power Institute (GPI)_001	1	Green Power Institute (GPI)_001_Q1	Please provide PG&E's Pre-submission 2023-2025 WMP Base Plan filed on February 13, 2023, with the OEIS per the 2023 WMP Guidelines and Schedule document. Including all attachments and associated supporting documents required for the Pre-submission 2023-2025 WMP Base Plan filing.	PG&E has designated the entire pre-submission as confidential to align with Energy Safety's pre- submission process and guidelines which stipulate that the pre-submission documents are not to be made public. In addition, the pre-submission contains contact information for individuals that is considered confidential. An entaid in our confirmationabless the run on March 8th and March 18th we can provide user with a	Zoe Harrold	3/1/2023	3/14/2023	3/14/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/GPI 001.zip	0	N/A	AI	All	All