Count	Party Name	Data Set	Data Request	Question No.	Question ID	Link to Discovery Responses: Question Text	https://www.pge.com/en_US/safety/emergency-preparedness/natural-disaster/wil Responses	dfires/wildfire-mitig Requestor	gation-plan-disco Date Rec'd	very-data-requ Final Due Date	ests.page Date Sent	Links	Number of Atchs	NDA Required	WMP Section	Category	Subcategory
1	CalPA	Set WMP-07	CalPA_Set WMP- 07	1		b) in asset data concords after barring (1, 2022 was calcular Poses and Portion VS, prease specing) the date(s) on which any such data was collected. c) Please confirm that "asset data" in parts a) and b) is geospatial (GIS) data from the operational system of record if not rease state the onicin of the asset data.	c) coo aname to part a.	Joshua Borkowski	3/27/2023	3/30/2023	3/30/2023	http://www.pge.com/pge_global/common/pdfs/ safety/emergency-reparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/Calidvocates.007.sig	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_Q2	Age 15 of the E3 Review includes a list of components included in the WORM v3. 4 a) Please confirm the table but the WORM v3 was included by the Indu to I of components is different than used as ingolar PORES WORM v3. Of the PI and P	a) The Wildlife Distribution Risk Model (WRGM) v3 was finalized by approval at the Wildlife Risk Governance Steering Committee (WRGSC) on April 13, 2022. b) The B asset proposi Isted on page 15 of the ES Review are included in the WDRM v3 but are grouped into the sub-models listed in Figure 5 Sub-model Predictive Performance Measures on none 21 of the ES 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		a) Please confirm the date that the WRDM 4 was finalized, if has not been finalized, please provide an estimateduate on which it will be finalized, b) Please provide a current list of components that are used as inputs in v4 of the WDRM model, c) Please state the date of PG&E asset data used in v4 of the WDRM model. If there are multiple dates, include the most recent that for any asset data used in he model and any child(c) on ankinch for that used in the model of the model and any child c) on any child the model and any child(c) on ankinch for that used in the model of the model.		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. 1	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 QEIS GIS Data Standard Submixsion. 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-miligation- 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. 1	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 CBS GIS Data Standard Submission. PG&E is also providing non-confidential data from the Support Structure feature data. PG&E is not providing data for these 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. 1	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-confidential 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. 1	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-confidential 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. 1	MGRA_Data Request No. 1	3	MGRA_Data Request No 1_Q3		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.aip	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
6	MGRA	Data Request No. 1	MGRA_Data Request No. 1	3 SUPP	MGRA_Data Request No 1_Q3 SUPP	Provide PSPS Event data. Include Event Log, Event Log, 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. 1	MGRA_Data Request No. 1	4	MGRA_Data Request No 1_Q4	Provide Risk Event Point data, including Wire Down, Ignition, Transmission urplanned 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 Urghanned Outage, Distribution Urghanned 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. 1	MGRA_Data Request No. 1	4 SUPP	MGRA_Data Request No 1_Q4 SUPP	Provide Risk Event Point data, including Wire Down, Ignition, Transmission urplanned 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 Urphaned Outage, Distribution Urphaned Outage, Distribution Vegetation Caused Unplanned Outage, and Risk Event Asset Log feature classes and related table. PG&E does not have any non-confidential or non-privilezed data to provide in response to this	Joseph Mitchell	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disater/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.pj	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
8	MGRA	Data Request No. 1	MGRA_Data Request No. 1	5	MGRA_Data Request No 1_Q5	Provide photo data for Risk Events.	Fase Look is to law any involution that or introproveged data to provide in response to this request. The photos provided in this feature class may be subject to attorney client phyloge or the work product dectime and may be subject to an ongoing investigation. Additionally, PGAE mere very photos are confidential CEII because they reveal chesical facility and critical infrastructure boations. PGAE does not have any non-confidential or non-priveleged data to provide in response to this photo.	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. 1	MGRA_Data Request No. 1	5 SUPP	MGRA_Data Request No 1_Q5 SUPP	Provide photo data for Risk Events.	register. The photon provided in this feature class may be subject to altorine or toportune of the photon provided in this feature class may be subject to altorine you client privilege or the even's photod. Exclorine and may be exapled to also required. The subject to all sub	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. 1	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.	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 where BCREs from rechargements, which endowerments runne american analysements, and SCADA to personal their remarks (DREE) is provided in one profilemental data for the Sutram Hardening.	Joseph Mitchell	3/29/2023	4/10/2023	4/7/2023	https://www.ppe.com/ppe_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip https://www.ppe.com/pge_global/common/pdfs/	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
9	MGRA	Data Request No. 1	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.	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 where	Joseph Mitchell	3/29/2023	4/13/2023	4/13/2023	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. 1	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.	CREEK is an antisectorem ¹⁶ , such incidencement, such an antiset resolutionerest, and SPATA Instructure bits increased PASE is provided With initiate program data for fire Neutrer Initiate Log and Other Initiate Post related to the Antisetter Initiate Log and Other Initiate Post related to the Initiate Antisetter III and the Initiate Inititate Initiate Initiate Initiate Initiate Inititate Initia	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 https://www.pge.com/pge_global/common/pdfs/	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
10	MGRA	Data Request No. 1	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 initiation 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&Es Line Sensor installations. Distribution Eault Anticipation. EPGS Reliability. Immovements and Early Eault	Joseph Mitchell	3/29/2023	4/13/2023	4/13/2023	https://www.pge.com/gge_global/common/pdry/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA 001.zip https://www.pge.com/gge_global/common/pdfs/	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
11	MGRA	Data Request No. 1	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	Intop://www.pge-com/pge-gooa/common/pais/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_001.zip https://www.pge.com/pge_global/common/odfs/	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
11	MGRA	Data Request No. 1	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. The method described in the 2023 WMP to appreciate model results is conducted to produce a	Joseph Mitchell	3/29/2023	4/13/2023	4/13/2023	safety/emergency-preparedness/natural- disater/wildfires/wildfire-milgation- plan/reference-docs/2023/MGRA_001.zip https://www.pee.com/pee_elobal/common/odfs/	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
12	MGRA	Data Request No. 1	MGRA_Data Request No. 1	9	MGRA_Data Request No 1_Q9	Please provide a tayle indicating calculated circuit-level risk using the methodology recented in the VMPs. a. If independent probability and consequence layers exist, please provide these independently as well. Please provide a tayle indicating calculated circuit-level risk using the	The method described in the 2023 WMP to aggregate model results is conducted to produce a circuit segment level risk value. But is not used to produce a circuit level first value. However, the oppostal argometantian of circuit segments that would be produced in response to this data response howless the identification of CEII, which was are negatived by two to maintain as confidential the method described in the 2023 WMP is ascredue model results is conducted as the method described in the 2023 WMP is ascredue model results is conducted as the method described in the 2023 WMP is ascredue model results is conducted to conduce a	Joseph Mitchell	3/29/2023	4/10/2023	4/7/2023	Into:sizeww.pge.com/ge_gotarcommer/pary safety/emergency-preparedness/natural: disater/wildfires/wildfire-militation- plan/reference-docs/2023/MGRA 001.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
12	MGRA	Data Request No. 1	MGRA_Data Request No. 1	9 SUPP	MGRA_Data Request No 1_Q9 SUPP	. methodology presented in the VMMP. a. If independent probability and consequence layers exist, please provide these independently as well.	The denote service author of how execution and a same in the service to the information. As each a same The method described in the 2023 VMPM a pagegatem model results is conducted the produce a circuit segment level risk value. But is not used by produce a circuit level risk value. However, the oppostable representation of Circiit segments that would be provided in response to this data measure involves the identification of CEII, which was are negarized by law to maintain as confidential and care product modes which data the negative models and as more than the confidential and care production and the first end end and as amonim to accord the table structure.	Joseph Mitchell	3/29/2023	4/21/2023	4/21/2023	https://www.pge.com/pge-good/common/pds/ safety/emergency-preparedness/natural: disater/wildfires/wildfire-miltation- plan/reference-docs/2023/MGRA_001.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
13	CalPA	Set WMP-08	CalPA_Set WMP- 08	1	CaIPA_Set WMP-08_Q1	PG&E's VMP states: The EVXP forgation concluded at the end of 2022. PG&E will continue to strengthen our other existing VM programs. PG&E is transitioning the maintenance of enhanced clearances that were achieved in EVM Rodure VM parkies. We established rodune maintenance regimements for enderticit distribution circuits where EVM screece because share here nerformed (in HETD Regarding the men "The Removal Inventory Program" descreted in sectors 22.2.4 of PG&EEst	95 Rule 35, Appendix E) to 12 feet within HFRA. 2) There is an anticipated increase of tree removals vs tims as it is the first course of action recommended at time of listing per the Distribution Vegetation Inspection Procedure (DRIP), running has been provided to account for increased memorals. 3): Them are indete controls through sensor hand monitorion of work a) For this program the use of "Transitional represents the program transition from EVM to our	Holy 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	8.2.2.2.6	Vegetation Management and Inspections	Discontinued Programs
14	CalPA	Set WMP-08	CalPA_Set WMP- 08	2	CHIPA Set WMP.08 02	YWMP, Hoade States: 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 mone than 300.000 trees at the end of 2022. Under the Tree Removal Inventor Reparation the new "Wh for Charachinal Mitimatine" described in section 8.2.2.2.3 of EQR's.	a) For this program the use or Transitional represents we program transmission there will be used with the new Tree Investment Program, which were identified under EVM guidelines and will be over a period of time based on resolution of constraints or other factors that hindred completion of work. b) Yes, but not under the Tree Removal Investment Program which is focused on removing the QD or wildfree migation capabilities have continued to evolve and matter size 2019. With the second second seco	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 https://www.pge.com/pge_global/common/pdfs/	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		Regarding the relevance of operational imaginaries used used in secular 0.222.23 or Pose's WMP, PG&E tables: This is a new transitional program for 2023 stemming from the conclusion of the EVM program. This program is intended to help reduce outages and potential ignitions using a risk-informed, <u>lameter chain to militeate notential worefation contacts based on biotoric worefation outages on Regarding the new "Focused The Inspections" described in section 8.22.2.5 of PG&Es WMP,</u>	a) Our women imaginon capabonies have commend of evolve and mainter since 2019, with the conclusion of Financed Vegetation Management (EVM) at the end of 2022, we confine to evolve our Vegetation Management program. The use of 'transitional' for this program represents the evolution of the Vegetation Management program through the <u>introduction of a new concome</u> . Moreotation Management for Concutional Ministors, CMICMU a) Simitrix TFI and WIOM programs, the Focus Tree Inspection (FT) program has been	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	8.2.2.2.3	Vegetation Management and Inspections	VM for Operational Mitigations
16	CalPA	Set WMP-08	CalPA_Set WMP- 08	4		PG&E states: This is a new transitional program for 2023 stemming from the conclusion of the EVM program. PG&E is developing AOCs to better focus VM efforts to address high risk areas that have experienced higher with mes of senetation damage during PSPS events, outcases, and/or indifices.	developed following the conclusion of EVM in 2022. For this program "Transitional" is used to recognize similar targeted efforts to reduce risk formerly associated with EVM that go beyond compliance mandated clearances. All three programs are intended to further reduce vegetation related outnows and indices. In BCRE investment the companying of trik production, and Park Event (Efficiency (ZEC) of EDEC	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/Caldvocates 008.zip	0	N/A	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
17	CalPA	Set WMP-08	CalPA_Set WMP- 08	5		PG&E is restructuring our VM Program starting in 2023. Based on recent data and analysis, the risk reduction of the EVM Program is less than the risk reduction from the EPSS program that was introduced in 2021.8 a) Blance describe the advantmentioned "data and analysis" that advant that it is determined to the set of the set	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 wildlife militation strateny is superarized in Table 3-4 on page 3/39 as the risk reduction relative in	Holy 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	CaIPA_Set WMP-08_Q6	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) Does "PVD" stand for "Pathal Voltage Detection" in this instance? Please define if not	b) Yes, "DCD" refers to Downed Conductor Detection. c) Partial Voltage Detection (and subsequent force outs of the nearest upstream SCADA capable device) are and of a "inference in detrift" stratency that unniements the already highly effective.	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/Caldvocates_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	CaIPA_Set WMP-08_Q7	groups. Group 2 includes "Inspections and maintenance programs where we exceed compliance requirements until permanent mitigations are deployed and/or we implement new technologies so	PG&E Goes not currently have specific ortheria for the lated mitigatores, though certain permanent mitigations (e.g. distilbution undergrounding) mary rotext net ko as point where exceeding compliance is no longer needed. Continued analysis of (gnitores, inspection finds, technology implementation results, etc. will inform the level of interim mitigation peeded. Waw UII continue is uninterment the Corum 2 mitigations based no nick or benefit.	Holy 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	Wildlire Mitigation Strategy Development	Interim Mitigation Initiatives

20	CalPA	Set WMP-08	CalPA_Set WMP- 08	8	CaIPA_Set WMP-08_Q8		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 compliance with state and federal regulations, as well as mitigate portions of the system that may be exposed to wildfler risk that cannot be managed through our	Holy 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	7.2.3	Wildfire Mitigation Strategy Development	Interim Mitigation Initiatives
21	CalPA	Set WMP-08	CalPA_Set WMP- 08	9	CaIPA_Set WMP-08_Q9	Eor each of the following Groun 2 milinations, nlease state whether PG&E intends to discontinue. Regarding the new "Tree Removal Inventory Program" described in section 8.2.2.2.4 of PG&E's WMP, PG&E states: "PG&E estimates that our EVM inventory included more than 300,000 trees at the end of 2022."	portionis of the signature that may be explosed to water to find a control of emalging the folget or to a signature of the	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	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
22	CalPA	Set WMP-08	CalPA_Set WMP- 08	10	CaIPA_Set WMP- 08_Q10	Takés AL R 2012b, J. M. Turnets, i. 402 stables the RDARE all answers analysis of the R 2012b and Turnets and Turn	conducts and sail continue to conduct around Bourder and Second Datacia of these areas and FREE will continue to assess the first of the earliers during the preof form 2023 activity to the Data of the earlier and the earlier and the earlier of the earlier and the earlier and the content emergent priority trees is embedded into al VM tree. The determinant of hazardous or the advection programs, as well as the resulting work vertication and quality programs. In addition to the Econemic Technology content of the advection of the trees and the program of the In addition to the Econemic Technology content of the tree advection of the trees and the In the International Content of the International Content of the trees and the trees and the International Content of the International Content of the International Content of the International Content of the International Content of the International Content of the International Content of the International Co	Holy Wehrman	3/30/2023	4/5/2023	4/5/2023	plan/reference-docs/2023/CalAdvocates 008.tip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
23	CalPA	Set WMP-08	CalPA_Set WMP- 08	11	CaIPA_Set WMP- 08_Q11	Table 5-2, Electrical Infrastructure, states that PG&E has a total of 18,111 circuit miles of	In addition, the E-ocused Tene Issanchon Prozem PC&E has also introduced the Tene Removal a) Nov, PG&B will obsect LUAR state and all overhead Transmission circuit miles b) NA b) NA c) The difference between LDAR Transmission inspections mapped on ETGIS and our LIDAR c) The differences, miles are conclimed available (incuit busing and plant) for the LIDAR of the tenes of the tenes of the differences in the state of the tenes of the tenes of the tenes of the tenes of the tenes of the tenes of tenes of the tenes of tenes	Holy 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	8.2.2.1.1	Vegetation Management and Inspections	Routine Transmission NERC and Non-NERC
24	CalPA	Set WMP-08	CalPA_Set WMP- 08	12	CaIPA_Set WMP- 08_Q12	Over near a raining of the second sec	Should a program fall below a 95% pass rate, catch back plans will be developed in partnership with VM execution to mitgate for specific cause of deficient rate.	Holy 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-intigation-	0	N/A	82224	Vegetation Management and Inspections	Tree Removal Inventory
25	CalPA	Set WMP-08	CalPA_Set WMP- 08	13	CaIPA_Set WMP- 08_Q13	Jachieves a 9.0%, nass rate on maliky worlfcation auritis. Table 8-16-1, Vegetation Management QV Program, lists the following audit pass results for 2022 VM work: Distribution: 91.3% Transmission: 94.2%	overal VM work product throughput and risk identification/mitigation. Clear definitions of acceptance criteria, sampling methodology, population eligibility, and pass rate calculations were established and communicated across the VM organization prior	Holy 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/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 008.zip	0	N/A	8.2.5.1	Vegetation Management and Inspections	Quality Assurance and Quality Verification
26	CalPA	Set WMP-08	CalPA_Set WMP- 08	14	CaIPA_Set WMP- 08_Q14	states: "PG&E has implemented a plan to complete the identified dead/dying tree work within 180 days for HFTD areas and within 365 days for non-HFTD areas." a) What specific steps, actions, or measures are included in the plan noted in the quote above – in a) What specific steps, actions, or measures are included in the plan noted in the quote above – in the specific steps, actions, or measures are included in the plan noted in the quote above – in the specific steps, actions, or measures are included in the plan noted in the quote above – in the specific steps, actions, or measures are included in the plan noted in the quote above – in the specific steps, actions, or measures are included in the plan noted in the quote above – in the specific steps, actions, or measures are included in the plan noted in the quote above – in the specific steps, actions, or measures are included in the plan noted in the quote above – in the specific steps, actions, or measures are included in the plan noted in the quote above – in the specific steps, actions, or measures are included in the plan noted in the quote above – in the specific steps, actions, or measures are included in the plan noted in the quote above – in the specific steps, actions, or measures are included in the plan noted in the quote above – in the specific steps, actions, or measures are included in the plan noted in the specific steps and the specific steps actions are specific steps acti	Operating reviews at multiple functional levels -including VM leadership and VM execution - the status of dead and dying trees and their timelines and timeliness status. This measure ensures	Holly Wehrman	3/30/2023	4/5/2023	4/5/2023	plan/reference/obc/2023/cand/docates/obc/20 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	8.2.2.2.2	Vegetation Management and Inspections	Distribution Second Patrol
27	CalPA	Set WMP-08	CalPA_Set WMP- 08	15	CaIPA_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 an industry super descents."	visibilitional accountabilities afte metional level. a) When defensible space conse extend onto private property, outreach to such landowners is made in advance to obtain permission to enter and conduct inspection. If accoss is granted, the impection is executed with fur at reduction and PRC 4.22 for compliance prescription determined. If access is derived and found to be without applicable easements, other land rights or valid entry	Holy 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-dors/2023/cal44wncates_008.zin	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	as When a shotting defective space zones, softend into include, uneed property, what is Regarding "Wood and Stash Management" described in soften 0.3.2.2 of PGAE's WMP, PGAE states: "Ohjs are left on site or removed off its based on owner preferences." PGAE further states that "Wood Management is a voluntary program in which property owners must opt in to participate."	access to benefat and random one will add approximate value index unant and ingle to walke wanty and the second s	Holy Wehrman	3/30/2023	4/5/2023	4/5/2023	http://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	8.2.3.2	Vegetation Management and Inspections	Wood and Slash Management
29	CalPA	Set WMP-08	CalPA_Set WMP- 08	17	CaIPA_Set WMP- 08_Q17	an UE PCRAE is unable to context a landcamer: how close it manages and chine? Regarding "High-Taki Species" decorded in section 8.2.3 of PCRAE's WIMP, PCRAE states: "There are no governing standards for high-risk species." a) Does PCRAE (but to develp operanding standards for high-risk species? b) If the answer to part (a) is yes, when does PCRAE expect to complete development of such standards?	field rescone lattered to ansare with landsamers in unerson about time work and unoid a) For Routine and Second Patrol (PREA does not currently have standards opporting to high-tisk species. Trees identified during these inspection cycles that require migration per PRC2439 and GOBS Rule 33 are expected to be identified and isted for work regardless of species. A new program, Focused There Impection (FTI) is being pibled starting in Q2 2023 and will incorporate incrinolationation analysis information but nere caused cultances within Anses AC Concern. (ACC).	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	8.2.3.6	Vegetation Management and Inspections	High-Risk Species
30	CalPA	Set WMP-08	CalPA_Set WMP- 08	18	CaIPA_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. Please explain why PG&E has not set target pass rates for VM Field QC for 2023-2025.	The Quality Management team has aligned on setting larget pass rates at 88% for Field Quality Control Active Observation Programs for the following core vegetation management programs: Routine Distribution, Second Patrol Distribution, Vegetation Control, and Routine Transmission.	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	8.2.5.2	Vegetation Management and Inspections	Quality Control
31	CalPA	Set WMP-08	CalPA_Set WMP- 08	19	CaIPA_Set WMP- 08_Q19	Table 8-19. Prority (Hhriony 2 and Second Patrol Trees Categorised By Age, show 286 priority 1 or 2 trees that we imposed another than 180 day prior to Potrany 28, 2023. Please provide a table with the following additional information for these 266 trees: a) The exact number of days since the task impection, and Potrany 28, 2023. In The Internet extende table sites the second seco	The data for the 296 P1/P2/Second Patrol trees can be found on WMP Discovery/2023_DR_Gal4dvocates_004-00194/ch01.stx ⁺ For the 3 Priority / Theres out of the set of 296, base refer to tab 'P2 Data'. a) Please see 'Age' in 'Column' on tab 'P2 Data' for the age in days since the last inspection as of <i>Column</i> 29 and 2012.	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	1	N/A	8.2.6	Vegetation Management and Inspections	Open Work Orders
32	CalPA	Set WMP-09	CalPA_Set WMP- 09	1	CaIPA_Set WMP-09_Q1	a) Please list the "less impactful" targets that were removed from the 2023 WMP. b) For each target in part (a), please explain how PG&E determined that the target was "less	of Education 19 2010 a) The targets that were included in the 2022 WMP but not included in the 2023 WMP are identified below. Please note that we do not necessarily consider each of these to be "tess included the end of the the end of the mitigation profile on the please include not the end the each choice the end of the mitigate include on the end of the end of the end of the end of the Washer Satisfue Installation and United the 2023-2022 WMP as a general deservation	Holy 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: plan/reference-docs/2023/CalAdvocates_009.zip	0	N/A	1	Executive Summary & Overview	N/A
33	CalPA	Set WMP-09	CalPA_Set WMP- 09	2	CaIPA_Set WMP-09_Q2	Immoduli of PAE's WMP states: "Increased interpretations can cause detriction explorment to age 1.0 roughly with all increases the near off or more frequent and treplacements. Higher temperatures may cause explorment to fail resulting in calciners or utages." a) What steps has PAE taken to mitigate the increased risk of asset failure anticipated from risko temperatures." P. Side of PAEEs WMP states:	about the sensitivity of certain electric assets to prevailing temperatures that exceed equipment design specifications. It does not constitute a thorough evaluation of the vulnerability (meaning, the	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- 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	CaIPA_Set WMP-09_Q3	In 2022 we confinued our assessment through the Electric Program Investment Charge 3.46, "Automated Fire Detection from Wildfife Alext Cameras," program. Through our assessment period we determined that Al detection on camera will improve our detection system and in 2023 we will select a unedrot in instal Al detection on cut ameras.	topologies of a size of a sport contrast nation as we as an access sensitivity to that cannot an approximate of the sport sensitivity of the cannot assist with the detection and notification of new ignitions. In 2022 a project was launched under the bective Program Investment Charge 3 add in which multiple potential works participated by prove out the ability of the Al technology to continuously monitor the feeds from the wildfile canners Bective Program Investment Charge 3 add in which multiple potential works participated by rough the ability of the Al technology to continuously monitor the feeds from the wildfile canners Bective Program Investment Charge 3 add sets the shift Add Data and the add the shift of the add the state of the Bective Program Investment Charge 3 add the shift shift Add Data and the source and the shift of the shift of the Al technology to continuously monitor the feeds from the wildfile canners and the add the shift of the shift of the shift shift add the shift shift add the add the shift of the add the shift of the shift of the shift of the shift shift of the shift of	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- plan/reference-docs/2023/Caldvocates_009.zip	1	N/A	8.3.4.2	Situational Awareness and Forecasting	Ignition Detection Systems
35	CalPA	Set WMP-09	CalPA_Set WMP- 09	4	CaIPA_Set WMP-09_Q4	P. 174 of PG&E: WMP datase. The results of the PSPS Consequence Model are then calibrated to PG&Es Emprise Rink Model An WP. Fink Score For PSPS' For each component in PG&Es MAVF, explain how the results of the PSPS Consequence Model are calibrated to the MAVF.	I bable 3* the d intervent souther isolated and (1) totaker) (in the minimula the hospitality of the combination of their components results in a total MAVF Risk Score for RSPS. For Safety, PG&E uses the combination of 50% PG&E RSPS data and 50% US industry widespread unpaned outspe data. Based on blending of the two datasets. PG&E arrives at a Serious insirus of Satelies (18E1 / million Carstomer Ministes Interrunted (17MI). Details are shown in a Vrs. the same area off the risk are anoided to a components within a rowipion Grominion a	Holy Wehrman	4/4/2023	4/7/2023	4/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/willdfires/willdfire-mitigation- plan/reference-docs/2023/CalAvocates 009-zip	3	N/A	62.2.3	Risk Methodology and Assessment	Risk and Risk Components Calculation
36	CalPA	Set WMP-09	CalPA_Set WMP- 09	5		W INM. Group G has two sub-groups. Posta states, "sub-croup 1 consists of components where the life cycle closely aligns with that of the structure. These include the hanger plate and bolts." a) Does the WIRM apply the same hazards and threats to all components within a grouping? Please environ work answer.	set or components is based on the following considerations: 1. Similar asset lifecycle; 2. Sensitivity to similar threats and hazards; and 3. Similar Asset Management strategy May be other other provide IPOPE many life (the heaves 100th provide the intervi-	Holy 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- plan/reference-docs/2023/CalAdvocates 009.zip	0	N/A	62.2.1	Risk Methodology and Assessment	Risk and Risk Components Calculation
37	CalPA	Set WMP-09	CalPA_Set WMP- 09	6	CaIPA_Set WMP-09_Q6	C 10 100 million har hardware, POEE works and before a strategy of the good of the strategy	highest quartille of risk scores. b) The "upper 20th percentrille" refers to a subset of WDRM v3 risk scores. The "top risk" areas were identified using the following process: (1) PG&E service territory was spatially divided into a ord of scores. 101 m v 101 m vinek; (2) for each risk intersection DPG&E overhead electrical a) A species-species information related to	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 009.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	6.4.1.2	Risk Methodology and Assessment	Top Risk Areas Within the HFRA
38	CalPA	Set WMP-09	CalPA_Set WMP- 09	7	CaIPA_Set WMP-09_Q7	health and mortality." a) What is PG&E's species-specific stress index model for tree health and mortality? b) How does PG&E utilize its species-specific stress index model for tree health and mortality? c) Disease describe the data inputs to this model. P. 129 of PG&E's WMP states: P. 120 of PG&E's	temperature, precipitation, evapotranspiration, and other environmental itends to evaluate issues impacting tech beach and mortality. b) PO&E has not yet necesived the information from its vendor needed to develop the stress index models bet exercised to neoneb it stbork. Theore the information is neoneb not 20ed, all environment The BMPs referenced on Page 129 of the WMP in TD-1102P-01-JA01, Best Management Practices (BMPs) are Vegation Management's (NM) controls to ensure compliance with	Holly Wehrman	4/4/2023	4/7/2023	4/7/2023	safety/emergency-preparedness/natural: disaster/wildfires/wildfire-mities/wildfire- 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		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 physically possible and not conflicting with other regulatory physically possible and not conflicting with other regulatory and the physically possible and not conflicting with other regulatory and the physically possible and not conflicting with other regulatory and the physically possible and not conflicting with other regulatory and the physically possible and not conflicting with other regulatory and the physically possible and not conflicting with other regulatory and the physically possible and not conflicting with other regulatory and the physically possible and not conflicting with other regulatory and the physically possible and not conflicting with other regulatory and the physically possible and not conflicting with other regulatory and the physically possible and not conflicting with other regulatory and the physically possible and not conflicting with other regulatory and the physically possible and not conflicting with other regulatory and the physically possible and not conflicting with other regulatory and the physically possible and not conflicting with other regulatory and the physically possible and the physical phys	environmental compliance requirements. a) PG&E makes every effort to comply with the BMPs. If the risk of vegetation in relation to our arsets and notentiation.compliance with GO dE Rules 18.8.3%. PRCs. 4292 or 4293. or NFRC. The BMPs referenced on Page 129 of the VMPs In TD-71029-01-JA01, Best Management	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 https://www.pee.com/pze-alobal/common/odfs/	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	CaIPA_Set WMP- 09_Q8REV	P. 1:20 or PLALE 3 YMM* states: YMM= conducting VMM+ states: CASE employees and contractors must addres to PLAE's Best YMM= conducting VMM achieves have must be the state of the state of the state of the state physical possible and not conficting with other regulatory constrainters on states consideration (CLO STA BLAE). And STATE ADDRESS and YMM address P. 526 of PLAE's VMM* states: The primary larged for secondary patrols in HFTD and HFRA but exceptions and address areas are in-stated to septometratio address vegetation associated and ymmetra.	Practice (BMPs) are Vegetation Management's (VM) controls to ensure compliance with environmental compliance requirements. a) PG&E makes every effort to comply with the BMPs. If the risk of vegetation in relation to our assets and notential non-compliance with GC0 & Buies, 18, 3.15, BPCs, 4252 nr. 4253, nr. 4ERC, a) In the paragraph on page 526 outlined above, the term "secondary patient's is used	Holly Wehrman	4/4/2023	4/12/2023	4/13/2023	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	5.4.5	Overview of the Service Territory	Environmental Compliance and Permitting
40	CalPA	Set WMP-09	CalPA_Set WMP- 09	9	CaIPA_Set WMP-09_Q9	risks." P. 267 states. "Beginning in 2023. PG&E will use the annual review of AOC, that we committed to doing in RN. PC&E-22-09. to identify areas subject to Second Patrols." P. 342 of PCME's WMP dates. "In July 2021. PCAE burnehed a millionear renoram to	a) In-sample energy entrops concerning with the same. The first on englestation in relation is board of the same and th	Holy 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	8.2.2.2	Vegetation Management and Inspections	Distribution Second Patrol
41	CalPA	Set WMP-09	CalPA_Set WMP- 09	10	CaIPA_Set WMP- 09_Q10	underground 10,000 distribution circuit miles in high wildline risk areas. ⁴ a) Since the July 2021 amouncement 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 melised? P. 969 of PG&E's WMP states, 'on average, it takes 1.25 UG install miles to replace 1 OH mile.	approximately 70 percent of risk in the HFTD. We initially used the output from our Wildlire Distribution Risk Model (WDRM) version 2 to first identify the 10,000 miles. We then subsequently validated that this was the correct number of miles after the July 2021 announcement using the output from our undated WDRM v3.	Holy 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.pze.com/pze_elobal/common/pdfs/	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- 09	11	CaIPA_Set WMP- 09_Q11	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 be moved underground, or the number of underground circuit-miles to be installed?	 DCEF did not excisive a ferrenza and excisive first for and excession for an and the excession of the first second se 	Holy 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.ope.com/ope_slobal/common/odf/	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 – Revise Process of Prioritizing Wildlire Mitigations
43	CalPA	Set WMP-09	CalPA_Set WMP- 09	12	CaIPA_Set WMP- 09_Q12	b) Please provide workpapers to support your answer to part (a).	a) PoSe that has not many consert and execution by the CLAS and means that DeSE global multiple posts to complement specifically in the second half of 2023 the NMPH However, POSE did provide ta surget unit costs (cost gene circuit mile) by year for undergrounding projects through our 2023 GRC Rept Mell (A Marce CLAT and CLAS Second Half Old 2023 the NMPH However, POSE and provide the Marce CLAS and CLAS Second Half Old 2023 the NMPH However, in the 2023 GRC POSE Pose periliary in the second half of 2023 the NMPH However, in the 2023 GRC POSE provided and specifically in the second half of 2023 the NMPH. However, in the 2023 GRC POSE provided and periliary in the second half of 2023 the NMPH. However, in the 2023 GRC POSE provided and periliary in the second half of 2023 the NMPH. However, in the 2023 GRC POSE provided and periliary in the second half of 2023 the NMPH. However, in the 2023 GRC POSE provided and periliary in the second half of 2023 the NMPH. However, the 2023 GRC POSE provided and periliary in the second half of 2023 the NMPH. However, the 2023 GRC POSE provided and periliary in the second half of 2023 the NMPH. However, the 2023 GRC POSE provided and periliary in the second half of 2023 the NMPH. However, the 2023 GRC POSE provided and periliary in the second half of 2023 the NMPH. However, the 2023 GRC POSE provided and periliary in the second half of 2023 the NMPH. However, the 2023 GRC POSE provided and the second half of 2023 the NMPH. However, the 2023 GRC POSE provided and the second half of 2023 the NMPH. However, the 2023 GRC POSE provided and the second half of 2023 the NMPH. However, the 2023 GRC POSE provided and the second half of 2023 the NMPH. However, the 2023 GRC POSE provided and the second half of 2023 the NMPH. However, the second half of 2023 the second half of 2023 the NMPH. However, the NMPH however, the NMPH. However, the NMPH however, the NMPH however, the NMPH. However, the NMPH	Holy 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	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
44	CalPA	Set WMP-09	CalPA_Set WMP- 09	13	CaIPA_Set WMP- 09_Q13	a) What is PG&E's forecast RSE for undergrounding completed in the second half of 2025? b) Please provide workpapers to support your answers to part (a).	RSE of 5.4 in 2025 for underground system hardening (A. 21-06-021, Exhibit PG&E-4, Chapter 3, p. 3-6, Table 3-1). h) Please see attachment "WMB-Discover/2023. DR. Caladvocates: 019;00134brH01 stem for a) PG&E does not forecast costs per circularitie for covered conductor projects in its WMP-	Holy 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	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
45	CalPA	Set WMP-09	CalPA_Set WMP- 09	14	CaIPA_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 2020? b) Please provide workpapers to support your answer to part (a). a) What is PG&E's forecast RSE for covered conductor system hardening completed in the	However, PO&E dd provide a unit cost of \$1.678 million per mile for overhead hardening in 2023 in as 2023 GRC (A. 216-621. Exhibit Polisole.4. Worksper A-28. In 18). b) Please see attachment "WMP-Discovery2023_DR_Calvidycastes_009-2014Atch11 pdf" for harmanatehi formation. a) PO&E does not forecast an RES for covered conductor system hardening for the second harf of 2023 in st WMP. However, in her 2023 GRC, PO&E provided an REE of 5.81 r2025 for 19.2023 for 2014 for the second harf	Holy 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	second half of 2025? b) Please provide workpapers to support your answers to part (a).	b) Plance see attachment "WMP. Discovery/2023. DP. Californizates. 009-0013 Michol view" for	Holy 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	8.1.2.5	Grid Design and System Hardening	Traditional Overhead Hardening -Transmission Conductor and Distribution
47	CaIPA	Set WMP-09	CalPA_Set WMP- 09	16	CaIPA_Set WMP- 09_Q16		a) DCD is capable of seeing from the device to "end of line", therefore we are able to provide	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	7.2	Wildlire Mitigation Strategy Development	Wildfire Mitigation Strategy
48	CalPA	Set WMP-10	CalPA_Set WMP- 10	1	CaIPA_Set WMP-10_Q1	Detection (DCD): • 500 devices in 2023, • 400 devices in 2024, and • 250 devices in 2027	DCD protection on most eligible High Fire Risk Area line miles by the end of 2023, then supplementing that coverage in 2024 and 2025, including in the EPS8 Buffer area. The number of devices decrease in 2024 and 2025 because the line miles covered in 2024 and 2026, including EPSS 8/iffer area are less than the line coverage in eligible HERA for 2023.	Holy 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	8.1.1.2	Grid Design, Operations, and Maintenance	Targets

49	CaIPA	Set WMP-10 CalPA_Set WMP- 10	2 CalPA_Set WMP-10_Q	Table 8-5 on p. 336 of PG&E's WMP shows a forecast reduction in the number of EPSS events of one to two percent annually from 2022 to 2025. 2 a) What factors does PG&E expect to contribute to the reduction in the number of EPSS events discussed above?	impacted protective zones to reduce the reliability impact. These will be installed in locations that	Holy 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
50	CalPA	Set WMP-10 CalPA_Set WMP- 10	3 CalPA_Set WMP-10_Q	 All White JPAR's forecast induction in the number of EPSS meets linear across the 2023,2025. A) Does PGAE forecast induction in the number of EPSS meets during the 2023-2025 period? A) The answer to part (a) is yes, provide the expected average duration of EPSS events for 2023, 2024 and 2025. 	are within the HH-KA or protect equipment within the HH-KA. The partness installs will provide instabilitie beneficies on fixes hand lines within the scores of the EPSS monoram. PASE will also a) Not at this time. b) NA. c) We require more operating experience before being able to accurately forecast reduction in average duration for EPSS outgase. We have lowered the target of four hours to 210 minutes in	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	8.1.13	Grid Design, Operations, and Maintenance	Performance Metrics Identified by the Electrical Corporation
51	CalPA	Set WMP-10 CaIPA_Set WMP- 10	4 CalPA_Set WMP-10_Q	2.112, Aux and Aux	alverage duration for Er-So outlages, we have lowered the target of four nours to 21 unitudes in 2023. a) DTS-FAST is an integrated system of sensors and technologies that are established and available on the market, working together to mitigate widther insk. Testing focused on validating sensor functionally in widther and utility user scenarios, encompassing functional testing, environmental testing, and tong-term esilence testing. Learnings were immediately applied to the sensor of the sen	Holy 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	8.1.2.6.2	Grid Design and System Hardening	Emerging Grid Hardening Technology Installations and Pilots
52	CaIPA	Set WMP-10 CaIPA_Set WMP- 10	5 CaIPA_Set WMP-10_Q	P. 357 of PG&E's WMP states, 'If deployed, DTS-FAST could have a significant impact on wildfin	optimize sensor configuration a) Please quantify the phrase "a significant impact on wildfire risk" in the above quote. We do not be account data to gravide a gravity of gravity of the impact at this time. The derived	Holy 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 CaIPA_Set WMP- 10	6 CalPA_Set WMP-10_Q	g (risk where deployed: a) Phase quarks the phrase 's significant impact on widtle risk' in the above quote. b) Phase provide any workpapers or studies to support your answer to part (a). P 444 of PGSE VMP abuse, 'n 3222, we reduced the Customer Average Interruption Duration P445 of PGSE VMP abuse, 'n 3222, we reduced the Customer Average Interruption Duration PSSE (Custom) and customer Dependencing is State of Day (CISS2), cautumers served by PSSE (Customer Average Interruption Dependencing) and the PSSE (CISS2) and the Customer Server (State Original Dependencing) and the PSSE (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependencing (State Original Dependencing) and the Customer Average Interruption Dependenc	Instance, the sensors are capable of detecting vegetation thas failen onto power lines or are leaning analist if. When such an event is detected. the sensor will known an alarm at 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-	1	N/A	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfre Risk
54	CalPA	Set WMP-10 CaIPA_Set WMP- 10		b) Dease provide the CESO value for all HETD customers for each year from 2018,2022 P. 464 of PG&ES WMP states. "By the end of 2022, we responde to 89 percent of outages on EPSS-enabled lines whin 60 minutes, responding on average within 42 minutes." The statement above refers to results achieved "by the end of 2022. "What time period is this data of the statement above refers to results achieved "by the end of 2022."	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,	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- 10		or with norm in ourse notes, use section and any section of the se	2022 EDecember 31, 2022. 2022 EPSS OUTAGE RESPONSE AVERAGE RESPONSE TIME SYTU DEDRESPITIE DEDRONNEE 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/emgency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
56	CalPA	Set WMP-10 CaIPA_Set WMP- 10	9 CalPA_Set WMP-10_Q	a) New age response time b) 26th encoding response time P, 464 of PG&E's WIMP 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 the 11 9 percent of outages (noted in this quote) on EPSS-enabled lines that PG&E dd not respond to	MEDIAN (07TH PERCENTLE) RESPONSE TIME TATH BERCENTLE RESPONSE TIME 2022 EPSC NUTLE RESPONSE TIME AVERAGE RESPONSE TIME FOR RESPONSES > 60 MINUTES LVENGEST RESPONSE TIME FOR DESPONSE 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-wiltigation-	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
57	CalPA	Set WMP-10 CaIPA_Set WMP- 10	10 CaIPA_Set WMP- 10 Q10	within 60 minutes, provide the following: a Jaurane encourses time. P. 441 of PO&E's WMP states, "We plan to implement a QA (quality assurance) program for systems inspections." a) Plasse discuss the progress PO&E has made so far in implementing a QA program for	95 Ministen a) The function that has been historically referred to as "quality verification" is in fact a component of the QA program for systems inspections and will be referred to as "QA" rather than "QV" moving forward. We have made significant progress on this work and the program has been invelocement	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-wiltigation-	0	N/A	8.1.6.1	Quality Assurance and Quality Control	Quality Assurance
58	CalPA	Set WMP-10 CaIPA_Set WMP- 10	11 CaIPA_Set WMP- 10 Q11	systems inspections. In When does DS&E expect to implement a OA program for systems inspections? P. 441 of PG&E's WMP states, "We plan to update existing QV (quality verification) procedures for systems inspections." a) Please discuss the progress PG&E has made so far in updating existing QV procedures for	In periodic and the set of the se	Holly Wehrman	4/4/2023	4/10/2023	4/10/2023	plan/reference-docs/2023/CalAdvocates 010.zip https://www.pge.com/pge_globa/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-wiltigation-	0	N/A	8.1.6.1	Quality Assurance and Quality Control	Quality Assurance
59	CaIPA	Set WMP-10 CaIPA_Set WMP- 10	12 CalPA_Set WMP. 10 Q12	systems inspections. h) When does DGAE excert to committee its unclates to existing OV monoclumes for systems. P. 450 of PGAE's WMP tastes, "Joing with reducing withtire risk related to backlog grahon risk- tags in HFTD/HFA, new (EC notifications identified after January 1st, 2023) HFTD/HFRA ignition risk tags will be completed in compliance with GO 95 rule 18 timelines, barring external	c) The parmed updates improve upon PGAE's existing QV procedures by accurately reflecting the <i>IVX role</i> in the holding system of the output of the particular of the page B31 of our 2023 WWP which defines external factors as follows: "External Factors represent reasonable circumatores which may impact execution against targets, objectives, other work, or performance metrics including, but not limited b, physical conditions, landboller refease, memoramed address, ucatomer refusion or non-context, permitting	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	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
60	CalPA	Set WMP-10 CaIPA_Set WMP- 10	13 CaIPA_Set WMP- 10_Q13	actors: a) What external factors does PGAE anticinate max revent 8 from completion HETD/HERA 1) What external factors does PGAE anticinate max revent 8 from completion HETD/HERA 1) Table PGAE-8.1.7.1 on p. 451 of PGAE anticinate max revent 8 factor Reasonanter (FSR) performed annually on time dependent tags to confirm Priority 8 Notification has not escalated to Priority A or 8." a) Under PGAE's current procedures and policies, can a FSR de-escalate the priority of a	anononcer retrutais, environmenta dealys, customer retrutais of non-contacts, permitting explosites/tributes, usable: conditions, cennoul or of dealisment assess, activations within expensions a) The FSR program is focused on identifying conditions that have escalated to Photoly A and B, hapechors can also recommend that a notification to estimate in they time it was created in error, is no longer required according to PG&Es guidelines, or if they find al work identified on the EC is a laready completed in the field. In certain instances, the FSR can be also a downgrade in tag	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-wiltigation-	0	N/A	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
61	CaIPA	Set WMP-10 CaIPA_Set WMP- 10	14 CaIPA_Set WMP- 10_Q14	a) UNIA FORE SCATTER (DOCUMENTS and DOCUMENTS, Cart af SYN CREASURATE the photory on a continuition Officiation and the innois and the scatter of the scatter of the scatter of the photory of a Table PG&E-8.1.7.3 on p. 458 of PG&E's VIMP has empty cells in the HFRA row. a) Pease 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.	Ex 6 a release competed in the result incention instances, the resc can reace be competed in any instances of the result instances of the result instances of the result in a instance concentration. The HFRA line in Table PG&E-61.7.3 was blank because PG&E was unable to segregate the HFRA line. Table 1 below shows the number of open distribution work orders categorized by HFTD liter from Q1 2020 through Q4 2022 and is lited to the QDR data provided to Energy Safety on March 1.	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	8.1.7.2	Open Work Orders	Open Work Orders – Distribution Tags
62	CalPA	Set WMP-10 CalPA_Set WMP- 10	15 CaIPA_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."	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	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	8.1.3	Asset Inspections	N/A
63	TURN	001 TURN_001	1 TURN_001_Q1	Integration assigns a statip incide to undergrounding and does not demonstrate is decayate weight incide objace to RES estimations' and which decaid the strateging HarDEGE must rate the strate to the bio face requires program. The strateging decarateriation provide a comparison of the RES of solution and the related biological feel object and the RES of admentation feel or energy appropriate level for undergrounding compared to be RES of admentation feel or energy appropriate. The relation of the RES of admentation feel or energy appropriate. The relation of the RES of admentation feel evelower address, and as covered conductor? If so, please products have applied to the strateging the specific content that provides the strateging biological and RES belowers to RES comparison content that a Restings to the table strate RES comparison content that a screen docated that consenses admentional works and that docated the screen docated that consenses admentioned and that docated the strateging the specific observations and admention that admention the screen screen docated that consenses admentioned to admention docated as a screen docated that consenses admentioned to admention docated as a screen docated to a screen docated based to the Rest Rest of Rest Rest of Rest Rest of Rest Rest of Rest of Rest Rest of Rest of Rest Rest Rest of Rest Rest Rest Rest of Rest Rest Rest Rest Rest Rest Rest Rest	gradion. In proceedings of the second seco	Tom Long	4/4/2023	4/7/2023	4/7/2023	https://www.gg.com/ggg_global/common/gdfg/ aafety/wenegency-programedness/natural- disaste/welferse/editor-mitigation- glan/reference-docs/2023/TUBN_001.sig	1	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 – Revise Process of Prioritizing Wildlire Mitigations
64	TURN	002 TURN_002	1 TURN_002_Q1		Linchest risk areas_and then selects the anoncontaite risk mitioation approach for that circuit which Please see attachment "WMP-Discovery2023_DR_TURN_002-Q001Atch01CONF.xtsx" 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/wildfire-s/wildfire-mitigation- plan/reference-docs/2023/TURN_002.zip	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.xlsx" for the requested information.	Tom Long	4/4/2023	4/7/2023	4/7/2023	pain/reference-docs/2023/TORW-002-zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/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/wildfire-s/wildfire-mitigation- plan/reference-docs/2023/TURN_002.zip	0	N/A	2022 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.xlsx" 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		The CONFIDENTIAL attachment is being provided pursuant to the confidentiality declaration "DRU11407.003_Confidentiality Declaration.pdf". As requested, please see attachment "2023.03.27_PGE_2023_WMP_R0_Appendix D ACI PG&E-22-16_Alch01_CONF.vlsx" attached.	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? b. What inspection programs, if any, listed in Section 8.2.2 will use the TAT? c. If PG&E is not union 15.TAT who has it discontinued its use?	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. b) No inspection programs listed in Section 8.2 of the 2023-2025 WMP plan to utilize the TAT at this time. Please after parsonce not not (a) of this userison.	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	b. What inspecton programs, if any, basic dis Section 8.2.2 will use the TAT? (Regarding FIGHER) transfer the Section 2.2 will use the TAT? (Regarding FIGHER) transfer the Sections (TAT) Ching and the Assessment Tool (TAT) Ching and FIG 4.1.5.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	a) Nine recommendations were provided to PG&E in the final report of the Targeted Tree Species Study that was completed in March 2022. PG&E tas considered these recommendations and has taken action where we deemed appropriate. Below are the actions taken specific to each of the rine recommendations. Recommendation - <u>Involvement a rule set. harmonized with O&I monetures.</u> for T&T to record at	Colin Lang	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-wildfire-mitigation- plan/reference-docs/2023/0EIS_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	Regarding PG&E's Focused Tree Inspections plot a. Describe the current state of dreadopment for the plot area, PG&E's Areas of Concern (ADC), and "brydyner where focused vegetation inspection can be evaluated to determine appropriate countries to prioritize pildet(s)" (page 529) and the expected timeline for nonentionalmition Regarding PG&E's Focused Tree Inspections plot	2023. b) AOCs were identified through a cross-functional effort utilizing county-based regional reviews to create potenties. Initial potence development utilized Public Safety Specialed circuit/based	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	3	N/A	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
71	OEIS	001 OEIS_001	3 SUPP OEIS_001_Q3 SUPP	Regarding PG&E's Focused Tree Inspections plot a. Describe the current state of development for the plot area, PG&E's Areas of Concern (AOC), and "polygone where focused vegetation inspection can be evaluated to determine appropriate countries to prioritize pilot(s)" (page 529) and the expected timeline for <u>non-internationalistic</u> (page 529) and the expected timeline for <u>Regarding PG&E's Focused Tree Inspections plot</u>	h) 2023 development of Areas of Concern (AOC) used WDRM v16 prioritize CPZs is inform the piol rareas selected. In the four AOC selected for piols there are 31 CPZs table 22 of these CPZs match where WDRM v2 was used in 2022 and EVM Tree Weighted Risk Scores and Rarrings are available to accurately consist-effective. SC EPZs and how EVM Tree Weighted Risk Scores and Brailing. These emissions and with const accellance and/or another owner- (GISB per for each polygon with the additional althouble and bee been provided. With the VICE of the AVE of the additional althouble and been been provided. With the AVE of the AVE	Colin Lang	4/5/2023	4/19/2023	4/19/2023	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	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
71	OEIS	001 OEIS_001	3 SUPP_2 OEIS_001_Q3 SUPP_3	Regarding PG&E's Focused Tree Inspections plot a. Describe the current state of development for the plot area, PG&E's Areas of Concern (AOC), 2 and "polygone where focused vegetation inspection can be evaluated to determine appropriate countries to prioritize pilot(s)" (page 22) and the expected timeline for oncertainolaization. Regarding PG&E's Tree Removal Invertiony On page, 528, PG&E states that is will "temove, or re	Discovery2023_DR_OES_001-2003Supp02Ath02.xkx." Specifically for Overall Utility Risk, Ignition Risk, and PSPS Risk, these are typically presented in	Colin Lang	4/5/2023	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/OEIS_001_zip	2	N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
72	OEIS	001 OEIS_001	4 OEIS_001_Q4	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) no-inspected/assessed prior to abatement?	a) 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 massessed thus a Tree Risk Assessment Chalification (TRAG) inservice in determine if	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	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
73	OEIS	001 OEIS_001	5 OEIS_001_Q5	b. What standards, excesses, proportiums, and took are verbation management proceed. Reparing Wood Management On pages 530, FGAE says that its wood management program addresses large wood generated by PGAE's What activities including post-fire work activities and wood generated by the EVM program. a. Considering the EVM program has been discontinued, does the wood management program: L Address large aside generated the EVM program.	a) i. Yes. We will uphold commitments to manage wood generated by Enhanced Vegetation Management (EVM) tree work for customers who requested this service. II. We will continue to fulfil wood management commitments that have been made to customers. In JBCAE criters would management for our widfline resource and EVM concerns. Eve all moreares.	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	1	N/A	8232	Vegetation Management and Inspections	Wood and Slash Management
74	OEIS	001 OEIS_001	6 OEIS_001_Q6	Lektres larine aucon devicented from the EAM concerns that has not abread addressed? Regarding Etherand Clearances Charge 503, PGBE as 201 Concerns that have been addressed by the second secon	b) BCRE drifters are obtained by the observation and the balancement of board and the balancement of the balance at time of your on Enhance of the positionally deared EVM against is also 12 feet as a discussion of a second of the balance at time of a second balance at time of a discussion of a second balance at time of a discussion of a second balance at time of a second balance at time of a second balance at time of a discussion of a second balance at time balance at the second balance at the secon	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	8.2.3.3	Vegetation Management and Inspections	Clearance

					1												
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 outlined in the 2023-2025 Wildlife Milligation Plan Technical Guidelines, Appendix B. If the data is tabular (formulas, tables graphs, charts) provide it in MS Excel. If the data is test-heavy, provide the information in MS Word.	The requested information is provided in the following four documents: •"WMP-Discovery2023_DR_OEIS_001-0007Atch01.pd" •"WMP-Discovery2023_DR_OEIS_001-0007Atch02CONF.pd" •"WMP-Discovery2023_DR_OEIS_001-0007Atch03CONF.pd"	Colin Lang	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disater/wildfires/wildfire-mitigation- plan/reference-docs/2023/0EIS_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 AI Risk Models Used Provide comprehensive system diagrams in MS Visio or PPT for all risk models.	PostEnas provided two system diagrams within WIM-Discovery2023_DR_OEIS_001- Q008Abch01.pdf in response to this data reguest – one for operational models (slide 01) and one for planeting models (slide 03). Each directing desicit is interaction among	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-	1	N/A	6.1.2	Risk Methodology and Assessment	Summary of Risk Models
π	OEIS	001	OEIS_001	9	OEIS_001_Q9	2. A comprehensive diagram for glanning model. Section 6.1.2 Section 2.1.2 Section	efforent models and early legds and outputs. The diagrams also show the decision point, process flaws, denotes boost where a decision point, and the state of the state of the state of the a) Based on the Wildfler Distribution Risk Model, which is based on circuit segments are experised to the enterprise wildfler in kin works of the state o	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-	2	N/A	7.1.4.1	Wildfire Mitigation Strategy Development	Identifying and Evaluating Mitigation
78	OEIS	001	OEIS_001	10	OEIS_001_Q10	accorational or backness unit). 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 hundle is used? b. How is the chance that a project exceeds the threshold computed?	of this twent (LoRE) and consequence of risk event (LoRE). Please see "VMP- lifecomen/2021. ALE LORES (DLLCOMENDATI shart" which is RGAE-2023.2020 walfate bound a) We do not have a specific threshold to justify projects. b) White we don't calculate a specific threshold to justify projects. b) White we don't calculate a specific threshold to justify projects. WWF/cost locations for executing projects. We also develop risk bupdown curves and implement projects at the higher end of the curve. The higher end of the curve expressers the higher	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	7.1.4.2	Wildfire Mitigation Strategy Development	Mitigation Initiative Prioritization
79	OEIS	001	OEIS_001	11	OEIS_001_Q11	Is now in the charter that is project association the threshold computer? (Regarding FABER Response to AC PACES-210) PGAE describes an external study funded by California Foreign Commission (CEC) grant (Regarding FABER and and describe and an external charter and the toxicolon that already have waither CT - 1502 to Exception and cleff any across the similar charter bockdown that already have waither CT - 1502 to Exception and cleff any across the similar charter bockdown that already have waither a phone the advectory of the Response to AC PACEE devicement and uncertainty and the advectory of the approximation of the Response to AC PACEEE 2000	The watter optimises of the cost interruption that use current represents are ruption to the watter optimises may be a set to carry represent. Programs can ruption the watter optimises may be and instructed us not to distituate the document. Therefore, we are an addressing of the report and instructed us not to distituate the document. Therefore, we are economiced that there gas balance youthin the programs than the ruption that the document. Therefore, we recommend that there gas balance youthin the programs than the ruption that the foreign through the cost of the reformation models before the balance that for report. These the scene accesses are used to the foreign the scenes of the scenes of the scenes of the scenes of the scenes are addressing the Wide-Docsen registry 200 (Ked Biol Of cost) address in the 1/L at the scenes 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	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. Encode the external native study which DF48E described and used to assess the statewide Regarding PF68E Response to ACI PG4E.2co. a. PG4E states that '363 (circuits) dropped to the lower 80 percent' (p. 891). For each of these circuit segments, provide the following information via Excel document: I. NameIID CP2	b. The probability of ignition change was driven primarily by greater granularity in failure modes associated with assets in the probability calculation. Please see attachment WMP-	Colin Lang	4/5/2023	4/12/2023	4/12/2023	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	Appendix D	Areas for Continued Improvement	ACI PG&E-2209 Evaluation of Model Reprioritization and Fire Rebuild in High-Risk Areas
81	OEIS	001	OEIS_001	13	OEIS_001_Q13	1: U2 mitchase of circuit seament Regarding PGSE: Response to ACI PG&E-22-20 PG&E states that "Adding dones to the detailed GO 165 inspection slowed the inspection to roughly 20 to 25 poles per day, which is slower than both the stand-alone ground inspection as we as the image capture rate for both drone-only and helicopter-only" (page 920).	48 280 5* 20.25 N/A	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: else/reference-docs/2022/OEIS 001.zip	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-2220 Asset Inspection Drone Program Pilot
82	OEIS	001	OEIS_001	14	OEIS_001_Q14	as are integritude to an out out out out out out out of an intercondent out y (large dout). La Browle Bac Antibuscention notes to standadoen annual intercondent out one-on-out immee Compage 43, POAEE solve that "POAEE has significantly advanced our data management practices and the quality of our asset inventory (Asset Registry) database over the bact two years to y applying the international Organization for Standardization (ISO) 55001 standards.	Asseancies rate in dield (stanchurenklowissenchrs) a) Our asset wennehowy database (Assea Registry) does include attribute fields for location (fatiliong and/or identification of support structure ID for attached equipment), manufacturer, model ID (as appropriate), and installation date. These are considered critical data elements (CDEs) and data governance and data quality metrics are being established to taxcit the associated data quality.	Colin Lang	4/5/2023	4/10/2023	4/10/2023	http://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/OEIS_001.rip	0	N/A	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A
83	OEIS	001	OEIS_001	15	OEIS_001_Q15	(b) applying the International Organization for Standardisation (ISD) (S001 Standards. International Control (ISD) (ISD	SWM-mixed and static static set only elaboration of track re-acceleration as Stati- 10 (DCB algorithm statisfies and scheduleration and statisfies and statisfies and statisfies and statisfies and statisfies and scheduleration as Statisfies and S	Colin Lang	4/5/2023	4/10/2023	4/10/2023	http://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/0EIS_001.ip	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
84	CaIPA	Set WMP-11	CalPA_Set WMP- 11	1	CaIPA_Set WMP-11_Q1	Jeongen, "Deen on none TXL DPAKE-Lakes half be DIDT11886 Instatus wall lakek controls as from cloaring," and the Distance of the Distance of the Distance of the Distance of the Outsign of the Distance of the Distance of the Distance of the Distance of the OLIGID Cost POLISE have experiment with REFCL? A 123 Yes, POLE 5 Electric Perlimities of Sterner PLane TV (and Sterner No. 2014). Referring to POLES Electric Perlimities Statement PLane TV. (and Sterner No. 2014).	ECEL CONTRACT, CONTRACT	Pul-Wa Li	4/5/2023	4/10/2023	4/10/2023	http://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitgation- 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
85	CaIPA	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 tracks the actual program expenses to the authorized EPIC program budgets pursuant to D.12:06-037. D.20:08-042, and D.21:11-028	PG&E's 2023 General Rate Case (GRC) proceeding and has no enunciated connection to PG&E's WMP proceeding. Furthermore, Cal 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	Pul-Wa Li	4/5/2023	4/10/2023	4/10/2023	http://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitgation- 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
86	CalPA	Set WMP-11	CalPA_Set WMP- 11	3	CaIPA_Set WMP-11_Q3	PGBE 2022 WMP Socion 7.1E, Abachment 1 (Atch, Q3 pd) states the following regarding the project status of EPIC 3.16.—Procedive Wires Down Mitigation Demonstration Project (Rapid Berth Fauk Current Limiter) as of February 25, 2022: Evaluation of additional substations for the state of the states of the stat	PG&E objects to the portions of this request relating to Major Work Category (MWC) 39R as beyond the scope of this proceeding. Notwithstanding and without waiving this objection, PG&E responds as follows: a PG&E has not performed an evaluation of additional schedulors for suitability of additional and PG&E has not performed an evaluation of additional schedulors for suitability of additional	Pui-Wa Li	4/5/2023	4/10/2023	4/10/2023	http://www.ppe.com/ppe_global/common/pdfs/ safety/emergency-preparedness/natural- disater/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	CaIPA_Set WMP-11_Q4	Table 1200 - maintaine action faith units regulation and planting the share inside type and regeneration of the state of	CECT: associations arises the constants for d.95 detections in strategies. <i>BORE 24</i> = etf. and when a lay free, our plane have changed over the stage layer for mark when sex presents in the quote client above form and WLRP. B) (POGE is not quote) and a planeting when the PCL deployments and after complete evaluation of the IS (POGE is not quote). PCL deployments and after complete evaluation of the start and a planeting of the PCL deployments and after complete evaluation of the start and the complete evaluation of the PCL deployments and the technology into normal operations. PCRE analysis of technology into normal operations. PCRE analysis of the technology into normal operations. PCRE analysis of technology intonology into normal ope	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	CaIPA	Set WMP-11	CalPA_Set WMP- 11	5		Referring to Exhibit PG&E-17, p. 4.3-6, Table 4.3-3, Ine 6, served on July 11, 2022: Line 6 of the slow bale indicates the PG&E forecasts the capital expenditures to be \$17.331 5 million in 2023, \$17.800 million in 2024, \$18.200 million in 2026, and \$18.774 million in 2026. Given the current status of PG&EF evaluation of additional substations for seven substatility and PG&EF planes for stars deviament of BEFC1 s. as of March 27. 2027, Ielsens Indicate ana adjustment in In December 2021, PG&E presented at the EPCS Symposium. See	Year	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
89	CaIPA	Set WMP-11	CalPA_Set WMP- 11	6	CaIPA_Set WMP-11_Q6	Aftch. Q6 EPIC Presentation.pdf. The presentation sides state that: 6 Rapid Earth Fault Current Limiter (REFCL) technology is an extension of resonant grounding at a distribution substation to neutralize oround fault current and revivent a snark. REFCL has been	walving frie objection, PG&E responds as follows: a) Yes, jihi satement remains an accurate high-level description. b) Not applicable, as described in response to subpart (a).	Pui-Wa Li	4/5/2023	4/10/2023	4/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-proparedness/natural- disaster/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	CaIPA	Set WMP-11	CalPA_Set WMP- 11	7	CaIPA_Set WMP-11_Q7	However, PG85's 2023 WMP at page 275, states that 7	This distinction is based on the fact that REFCL is not a plag-and-play technology and requires supporting construction and equipment changes in the substation and on the distribution circuits to function. This is different from ICD 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	CaIPA	Set WMP-11	CalPA_Set WMP- 11	8	CaIPA_Set WMP-11_Q8	Whe PAGE is indiced at companies for BEFC1 devicements in our distribution schotaknows to PGGEE 2023 WHE rapped 275, states that: "Whe PGGEE is booking at opportunities for REFC1 deployments in our distribution substations to PGGEE states with and evaluating constraints of REFC1 the PESS and other mitigations, implementing it would require agrificant and costly changes to the grid." J Please state the secleted table also PGEF rapidles to constraints "Implemention (REFC1) and please state the secleted table also PGEF rapidles the constraints the "Implemention (REFC1) and please state the secleted table also PGEF rapidles the constraints the "Implemention (REFC1) and please state the secleted table also PGEF rapidles the constraints the "Implemention (REFC1) and please state the secleted table also PGEF rapidles the constraints that "Implemention (REFC1) and please state the secleted table also PGEF rapidles the constraints that "Implemention (REFC1) and please state the secleted table also PGEF rapidles the constraints that "Implemention (REFC1) and please state the secleted table also PGEF rapidles the constraints that "Implemention (REFC1) and please state the secleted table also PGEF rapidles the constraints that "Implemention (REFC1) and please state the secleted table also PGEF rapidles the constraints that "Implemention (REFC1) and please state the secleted table also PGEF rapidles the constraints that the PGEF rest and please tables the please state table also PGEF rapidles the constraints that the PGEF rapidles the constraints that the PGEF rapidles the constraints the PGEF rapidles the constraints that the PGEF rapidles the PGEF rapidles the constraints the PGEF rapidles the PGEF rapidles the constraints that the PGEF rapidles the PGEF rapid	resultes to resource and require and require signment of the social competence. a) Implementing ReFECL requires significant and costly hanges to the girl entailive to DCD and Partial Votage detection. PG&E first understood the deployment cost of REFCL in early 2021. b) PG&E needed to complete the field construction of the demonstration project to determine the cost to deploy REFCL at a substration. D measure mice to REFECL at a substration.	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
92	CaIPA	Set WMP-11	CalPA_Set WMP- 11	9		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.	Pul-Wa Li	4/5/2023	4/10/2023	4/10/2023	https://www.ppe.com/ppe_global/common/odfs/ 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	CaIPA	Set WMP-11	CalPA_Set WMP- 11	10	CaIPA_Set WMP- 11_Q10	Has PG&E done any benchmarking study on REFCL with Southerm 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	CaIPA	Set WMP-11	CalPA_Set WMP- 11	11	CaIPA_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 califmeeting 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	CaIPA	Set WMP-11	CalPA_Set WMP- 11	12	CaIPA_Set WMP- 11_Q12	PGEE 5223 WMP at page 27, state that Bittered of making costly changes to the grid use en moving forward with more cost-affective solutions such at DCD (Dansed conductor Detection) and Partial Voltage Detection. Regarding Downed Conductor Detection (DCD), with at "changes to the grid" an engineer to the State Detection (DCD), by (bt) (Changes and the state outcome to the State Detection (DCD), by (bt) (Changes and the state outcome to the State Detection (DCD), by (bt) (Changes and the state outcome to the State Detection (DCD), by (bt) (Changes and the state outcome to the State Detection (DCD), CREE 5233 WMP, page 275, states that "Bitted of making costly changes to the grid, we	a) Depending on the existing recicker controller, ICCO may not require a physical "change to the optior" or imay requires the involving on exclusion plan exclusion controller. B) IDCD is most compatible with "avier systems: Implementation on 4-arise to possible but may not achieve the beneficial device to the third plane satisfyst Tereshold's that would be required. As a most area not a correction containing InCCO on 4-arise storems. The solution is the store plane there are not a physical value of the solution of the	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	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
96	CaIPA	Set WMP-11	CaIPA_Set WMP- 11	13	CaIPA_Set WMP- 11_Q13	are moving forward with more cost-effective solutions such as DCD and Partial Voltage Detection." Regarding Partial Voltage Detection (PVD), a) What "changes to the grid" are required for PG&E to implement this technology? b) Lis PUD viable on 3/with southerns. Autor sustems, or both? Bread on BCGET solution or DECCI =:	above refers to how this makes PVD a cost-effective solution. b) PVD is viable on both 3-wire and 4-wire systems. c) No, as there is no cost to 'tegoly PVD. di. Not anelxabin- nease see the resonase to subcart (r) above. a) The significant changes to the grid required to implement REFCL are identified below.	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 https://www.pge.com/pge_global/common/odfs/	0	N/A	7.2.1	Wildfire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
97	CalPA	Set WMP-11	CalPA_Set WMP- 11	14	CaIPA_Set WMP- 11_Q14	a Please date the lack when PGK finished valuating the following:	Replacing voltage regulators in closed delta; Installing new, matched sets of feeder breaker current transformers (CTs); Replacing bus obtenial transformers (PTs); Replacing bus obtenial transformers (PTs);	Pul-Wa Li	4/5/2023	4/10/2023	4/10/2023	safety/www.gec.com/gee_gooarcommon/pois/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_011_zip https://www.gec.com/gee_global/common/odfs/	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- 11	15	CaIPA_Set WMP- 11_Q15	a) The significant changes to the grid required to implement REFCL technology, b) The cost estimates for such changes, c) The environment installations required due to such changes, and	a) – d) We finished the evaluation of each item identified above in early 2021. a) Piezze see: Rilery, Roger and Jon Bernardo. "JA8648-0-0 REFCL Functional Performance	Pul-Wa Li	4/5/2023	4/10/2023	4/10/2023	safety/emergency-preparedness/natural- disaster/wildfire-mitgation- plan/reference-docs/2023/CalAdvocates 011.zip https://www.ope.com/pge_global/common/pdfs/	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- 11	16	CaIPA_Set WMP- 11_Q16	on each of the following aspects of REFLC deployment: a) The significant changes to the grid required to implement REFCL technology, b) The cost estimates for such changes, c) The excitomed institutions required due to such changes, and Planear provide data in PGAFE respectivity of the following:	a) Peake Set, NB(2): KB(2): and John Sentiaux. Janobe-U-5 AEPC-5 Publicities Periodiana Periodiana Periodiana Periodiana Periodiana Periodiana Periodiana Periodia	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.pge.com/pge_global/common/pdfs/	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	 a. The SAND (System Average Interruption Duration Index) for the years 2018-2022 for underground distribution facilities; b. The MMIF (Momentary Average Interruption Frequency Index) for the years 2018-2022 for underground distribution facilities; 	Please see the attachment "WMP-Discovery2023_DR_TURN_003-0001Abb101 sker for the requested information. Please note that PGG& does not capute covered ion-covered conductor status in our current outage reporting, so SAIDIMANFI data for covered conductor equipment cannot be provided at this time. PG&E publiches an amrual reliability report which provides a detailed report on the system-wide PG&E publiches.	Tom Long	4/5/2023	4/10/2023	4/10/2023	safety/emergency-preparedness/natural- disaster/wildfire-wildfire-mitigation: plan/reference-docs/2023/TURN 003.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	NA	N/A	N/A
101	TURN	003	TURN_003	2	TURN_003_Q2	Passe provide all reports or studies in PG&E's possession prepared from January 1, 2018 to the present that discuss the relatelity of underground distribution facilities, who everhead distribution facilities whose coverback or portunated distribution facilities whose covered conductor, or events and SADI and MAPI data. Regarding Table 7-23, 22 08, the bittom row re FSRS-	reliability performance. Please see the following attachments for the requested information: "WMP-Discovery2023_DR_TURN_003-Q002/Atch01.pdf," "WMP-Discovery2023_DR_TURN_003-Q002/Atch02.pdf,"	Tom Long	4/5/2023	4/10/2023	4/10/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_003.zip https://www.pge.com/pge_global/common/pdfs/	5	N/A	N/A	N/A	N/A
102	TURN	003	TURN_003	3	TURN_003_Q3	Regarding Table 7-3-2, p. 295, the bottom move RSRS: a Plassic continum that the targets for inclused customer impacts in 2023, 2024 and 2025 are continue, is, that the 33,000 (igner for 2024) includes the 15,000 reduced impacts for 2023, and on a Plassa monich the support of the strength of the strength of the SSRS incorts in 2023, 115,000 Regarding Table 2 (Litts of Frequent) be energized Criticals in Appendix of PORGE's WING For PORGE's Control of the support of the SSRS incorts in 2023, 115,000 For the SSRS incorts and the support of the SSRS incorts in 2023, 115,000 For the SSRS incorts and the SSRS incorts and the SSRS incorts in 2023, 115,000 For the SSRS incorts and the SSRS incorts and the SSRS incorts in 2023, 115,000 For the SSRS incorts and the SSRS incorts and the SSRS incorts in 2023, 115,000 For the SSRS incorts and the SSRS incorts and the SSRS incorts in 2023, 115,000 For the SSRS incorts and the SSRS incorts and the SSRS incorts in the SSRS incorts in 2023, 115,000 For the SSRS incorts and the SSRS incorts and the SSRS incorts in the SSRS incorts in 2023, 115,000 For the SSRS incorts and the SSRS incorts and the SSRS incorts and the SSRS incorts in the SSRS incorts in 2023, 115,000 For the SSRS incorts and the SSRS incorts and the SSRS incorts and the SSRS incorts in 2023, 115,000 For the SSRS incorts and the SSRS inco	107 in Table 7-3-2. Please see Table PG&E-22-35-1 (2023 WMP p. 973) for the breakout of incremental customers for each respective year. b) Please see attachment WMP-Discover/2023_DR_TURN_003-0003Atch01 for supporting data for the estimates of reduced PSPS impacts in 2023-2025 for the five-waar neriod_2018.	Tom Long	4/5/2023	4/10/2023	4/10/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN 003.zip	1	N/A	9.1.5	Public Safety Power Shutoff	Performance Metrics Identified by the Electrical Corporation
103	CaIPA	Set WMP-12	CalPA_Set WMP- 12	1	CaIPA_Set WMP-12_Q1	Regarding Table 9-2 (Lists of Frequently De-energized Circuits) in Appendix F of PG&Es VMIP, the column "Measures Tables, or Partnerid to Be Tables, to Reduce the Need or and Impact of F Jutter PSPS of Circuit's Is bark for the following distribution circuit Entry Numbers 7, 8, 11, 15, 17, 18, 28, 29, 30, 35, 73, 83, 94, 75, 65, 62, 63, 70, 71, 71, 70, 51, 111, 122, 122, 123, 123, 148, 145, 145, 145, 147, 172, 173, 148. Regarding Table 2 (Lists of Frequently De-energized Circuits) in Appendix F of PG&Es VMIP,	a) We discovered an error in our 2023 WMP submission in the "Measures Taken, or Planned Ib Be Taken, Refactore the Need for and Impact of Future PSPS of Circuit" of the Pregarity De- energized Circuits list. We will reach out be Energy Safety to provide this corrected information and discuss updating on VMPP admissional pursuant ID Energy Safety 3 guidelines. We will provide an entrelination of an intermediate blanks. We have guideline of List of Engenity De-energized Circuits based on the errors found in our We have guideline of List of Engenity De-energized Circuits based on the errors found in our	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
103	CalPA	Set WMP-12	CalPA_Set WMP- 12	1 SUPP	CaIPA_Set WMP-12_Q1 SUPP	Regarding Table 9-2 (Lists of Frequently De-emergized Circuits) in Appendix F of PGAE'E VMP- the column "Neurons Taktor, or Painment to Bashaets, to Reduce the Neuron For Application of Future PSPS of Circuit" Is blank for the following distribution circuit Entry Numbers: 7, 8, 11, 15, 17, 18, 28, 29, 30, 36, 37, 38, 39, 47, 55, 62, 63, 70, 71, 97, 105, 111, 112, 120, 122, 125, 126, 124, 141, 143, 143, 178, 179, 179, 148;	We have updated our List of Frequently De-energized Circuits based on the errors found in our review. The Entry Number's listed above may not reflect the lastics circuits that are mitigated by PSPS protocols. Please see attachment "WMPD/iscovery2023 DR, CaliAdvocates (J12- Q001Supp01Atch01 star' for the updated List of Frequently De-energized Circuits. Ja Mer unstalance table: individual distintation circuits have no PSPS Mitration Measures Laken or La Mer unstalance table.	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	1	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	CalPA_Set WMP-12_Q2	Regarding Table 9-2 (Lists of Frequently De-energized Circuits) in Appendix F of PG&E's WMP, the column "Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit is blank 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 entry to the state of th	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. We will provide an	Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disater/wildfires/wildfire-mitigation- plan(reference-docr/2003/c)aldwicester_012_in	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	CaIPA_Set WMP-12_Q2 SUPP	Folder PSPS of Circuit is ballk for the following transmission circuit Entry Numbers. 200, 227 a)	Perinamon in an unertaining name. 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 listest circuits that are mitigated by PSPS protocols. Please see attachment "WMPDB/soverp2023_DR_CalAdvocates_012- Q001Supp01Atch01.stox" 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/odfs/ safety/emergency-preparedness/natural- disater/wildfires/wildfire-mitigation- plag(reference-doce/2003/CalMonester_012_in	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	CaIPA_Set WMP-12_Q3	• So also for the Bobe Lardy Xandhar, Backel Agaan Vay, Sachards Taal, An Palandes Lee, Regarding Table S 2, Lark of Presength O-mergined Circuits (Jackel Agaan), Appendix F of PGACES WIR- derbotion cruati Emy Nambers 1, 21, 22, 23, 24, 25, 20, 27, 33, 34, 44, 46, 90, 83, 46, 400, 11, 11, 10, 12, 11, 21, 12, 12, 13, 13, 11, 14, 12, 12, 15, 10, 10, 10, 10, 17, 110, 17, 10, 11 (Jackel Again Circuit Emy Nambers 1, 21, 22, 23, 24, 25, 20, 27, 33, 34, 44, 46, 90, 83, 46, 400, 11, 11, 10, 12, 11, 12, 12, 12, 13, 13, 11, 14, 12, 12, 15, 100, 110, 10, 17, 110, 17, 101, 18, 11, 10, 10, 12, 12, 12, 12, 13, 13, 14, 14, 12, 12, 15, 100, 110, 10, 17, 110, 17, 101, 164, 16, 10, 10, 10, 10, 10, 10, 10, 10, 11, 11	a) We deploy two Temporary Generation initiatives (Distribution Microgrids and Backup) Generation) to address different types of PSPS impacts to benefit the number outcomers stated. See Section 22 v on p. 781 on details for additional details. The number of customers that benefited from Temporary Generation for each of the circuits	Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	http://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disater/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		Beginding Table 9.2 (Liks of Frequent); De-exception Cround): In Agenetic F of PCAES 14489 Beginding Table 9.2 (Liks of Frequent); De-exception Cround): In Agenetic F of PCAES 14489 Bedinbulon cround Frequent; Numbers 3.4, 6, 11.4, 11.9, 02.1, 22.2, 23, 24.3, 26.2 9 (10, 23, 80, 01, 64, 65, 66, 76, 87, 27, 17, 76, 77, 78, 90, 81, 82, 64, 85, 91, 94, 96 9 (10, 10, 10, 24, 06, 160, 170, 100, 114, 115, 116, 112, 124, 127, 128, 128, 120, 132, 137, 139, 130, 142, 124, 127, 128, 123, 120, 132, 137, 139, 130, 142, 145, 146, 146, 146, 146, 146, 146, 141, 171, 147, 148, 144, 146, 146		Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	http://www.pge.com/pge.global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 012.rip	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	CaIPA_Set WMP-12_Q4 SUPP	distribution circuit Entry Numbers: 3, 4, 6, 13, 14, 19, 20, 21, 22, 23, 24, 25, 26, 27, 32, 35, 49, 50, 51, 52, 53, 60, 61, 64, 65, 66, 67, 68, 72, 73, 75, 76, 77, 78, 79, 80, 81, 82, 84, 85, 91, 94, 96, 51, 52, 53, 60, 61, 64, 65, 66, 67, 68, 72, 73, 75, 76, 77, 78, 79, 80, 81, 82, 84, 85, 91, 94, 96, 51, 52, 53, 60, 61, 64, 65, 66, 67, 68, 72, 73, 75, 76, 77, 78, 79, 80, 81, 82, 84, 85, 91, 94, 96, 51, 52, 53, 60, 61, 64, 65, 66, 67, 68, 72, 73, 75, 76, 77, 78, 79, 80, 81, 82, 84, 85, 91, 94, 96, 51, 52, 53, 60, 61, 64, 65, 66, 67, 68, 72, 73, 75, 76, 77, 78, 79, 80, 81, 82, 84, 85, 91, 94, 96, 51, 52, 53, 60, 61, 64, 65, 66, 67, 68, 72, 73, 75, 76, 77, 78, 79, 80, 81, 82, 84, 85, 91, 94, 96, 51, 52, 53, 60, 61, 64, 65, 66, 67, 68, 72, 73, 75, 76, 77, 78, 79, 80, 81, 82, 84, 85, 91, 94, 96, 51, 52, 53, 60, 61, 64, 65, 66, 67, 68, 72, 73, 75, 76, 77, 78, 79, 80, 81, 82, 84, 85, 91, 94, 96, 51, 52, 53, 50, 51, 52, 53, 50, 51, 52, 51, 52, 51, 52, 51, 52, 51, 52, 51, 52, 51, 52, 51, 52, 51, 52, 51, 52, 51, 50, 51, 52, 51, 52, 51, 52, 51, 52, 52, 51, 52, 52, 51, 52, 51, 52, 51, 52, 51, 52, 51, 52, 51, 52, 51, 52, 52, 51, 52, 5	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.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	CaIPA_Set WMP-12_Q5	235, 236 a) Please describe the PSPS protocols referenced in these Entry Numbers. b) Please	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 IsI. 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 provide an excitation of the uncertainty of the Safety Safety's guidelines. We will provide an excitation of the uncertainty of the Safety Safety's guidelines.	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	CaIPA	Set WMP-12	CalPA_Set WMP- 12	5 SUPP	CaIPA_Set WMP-12_Q5 SUPP	Regarding Table 9-2 (Lists of Frequently De-energized Circuits) in Appendix F of PG&Es WMP, trammission circuit Errly Nuthers T: 19, 196, 197, 198, 199, 201, 202, 203, 204, 205, 206, 208, 209, 210, 211, 212, 213, 215, 217, 218, 219, 221, 222, 223, 224, 226, 228, 231, 232, 233, 234, 235, 236 a) Paese describe the PSPS photobic reference in here Estiny Numbers. b) Paese revisit how cristomers user "Misiated hit PSPS photobic reference in here Estiny Numbers. b) PG&Es WMP - 715, Section 31, 21, 2486 shaft "This table fields hour hours intervisites".	Q001Supp01Atch01 xisx' 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
108	CalPA	Set WMP-12	CalPA_Set WMP- 12	6		measures taken, or planned to be taken, to reduce the likelhood of PSPS on those circuits." Regarding Table 9-2 (Lists of Frequently De-energized Circuits) in Appendix F of PG&E's WMP:	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 decrease undefine our WMD submission surgered to Energy Safety to provide this corrected information and decrease undefine our WMD submission surgered to Energy Safety to provide this corrected information and decrease undefine and WMD submission surgered to Energy Safety to provide this corrected information and decrease undefine and WMD submission surgered to Energy Safety to provide this corrected information and decrease undefine and WMD submission surgered to the Energy Safety to provide this corrected information and decrease undefine and the Safety surgered to the Energy Safety to provide this corrected information and decrease undefine and the Safety surgered to the Safety surgery surgered to the Safety surgered to the Safety surgery surgered to the Safety surgery surgered to the Safety surgery su	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	CaIPA_Set WMP-12_Q7		Additionals, maketik of the initialization bases listed on a. 251 and circuit specific and we have, and Table PGEE-253.51 shows customers mitigated and not customers impacted. In the analysis, we applied the 2022 guidance in the weather loobtack period of 2016-2022. Other mitigation methods such as a existinalizing devices, grift handering, and PSPS protocola are aircasif startored into the loobtack. This allows us to calculate the number of customers we are able to mitigate with the two demonstrations (underromotion and MSOT) was meet to correlate to 2522.2025.	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	CaIPA_Set WMP-12_Q8	Reporting WMP p. 782, Section 9.2.4 (Protocold for Millioning the Public Sofety Impacts of	The bins detended mitrations (indextransmitters and MSC) use sevent in control in the sevent is not sevent in the sevent in the sevent in the sevent is not sevent in the sevent in the sevent in the sevent is not sevent in the sevent in the sevent in the sevent is not	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) Protocols for Mitigating the Public
111	CalPA	Set WMP-12	CalPA_Set WMP- 12	9	CaIPA_Set WMP-12_Q9		a) Lobe protocol accessible interpol energy of the strange prime transmission of the strange	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_ip	1	N/A	9.2.4	Public Safety Power Shutoff	Safety Impacts of PSPS, Including Impacts on First Responders, Health Care Facilities, Operators of Telecommunications, Infrastructure
112	CaIPA	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. b) Please tell all other in 2013 and 2023 when PG&E anticipated PSPE conditions but utilized.	EPSS operates independent of PSPS based on different criteria and thresholds – see Section 8.1.8.1 of PG&E's WMP.	Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	safety/mww.pge.com/pge_gouarcommunipary safety/mergency-preparedness/natural: disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 012.zip https://www.pge.com/pge_global/common/odfs/	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	CaIPA_Set WMP- 12_Q11	ESS and the statute at the contrast Regarding communications to automate for ESSS a) Deals below the statute of the statute of the statute a) Deals below the statute of the statute of the statute of the statute a) Deals below the statute of the statute of the statute of the statute a) Deals below the statute of the statute of the statute of the statute or cut the statute of the Statute of the statute of the statute of the statute or cut the statute of the statute	(1) The mean start and bottles in the start and the sta	Holly Wehrman	4/6/2023	4/11/2023	4/11/2023	safety/www.pge.com/pge_polar/commungation disater/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_012.tip https://www.pge.com/pge_plobal/common/pdfs/	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	CaIPA_Set WMP-13_Q1	a) Does PG&E plan to primarily implement DCD on 4-wire distribution, 3-wire distribution, or a mix? b) Bease state the number of overhead circuit miles of 4-wire distribution in GG&E's 4HETD Table 8-27 on p. 586 of PG3&E's WMP summarizes and operation monitoring systems, including	7.1.4-2 incorrectly identified DCD applicable to 4-wire when it should have indicated 3-wire sustems. a) Distribution Fault Anticipation (DFA) is designed to detect conditions that generate current and	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	8.1.2.10.1	Grid Design and System Hardening	Downed Conductor Detection Devices
115	CaIPA	Set WMP-13	CalPA_Set WMP- 13	2	CalPA_Set WMP-13_Q2	Distribution hauf Anticipation (U-A) and samy Hauf Detection (E-D). (a) Describe the types of faults, equipment failures, and/or other issues that DFA is capable of detecting. (h) Describe the bases of faults, equipment failures, and/or other issues that EFD is canable of Table 7-3-1 on 281 of PGBE WMP states the following objective with an estimated completion	voltage anomalies including servies acroing issues (elbows, späces, switches) and shurt arcing fault (line stay, expectation contact, wire down). It can also detect loss of load caused by broken b). Each East Intertoin (FEP) is, desimed in detect according that nenerate accumulation of a) Constraints Management Organization (CMM) was created to acts the responsible group for diveloping and managing processes for constraints resolution. Following the timal lassons	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	8.3.3.1	Situational Awareness and Forecasting	Existing Systems, Technologies, and Procedures
116	CaIPA	Set WMP-13	CalPA_Set WMP- 13	3	CalPA_Set WMP-13_Q3	(atte of 1231/0223: Develop a process of centralizing constraints resolution. As part of the build out of the centralized constraints team, three major categories will be addressed: customer constraints, environmental constraints (including linear	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 Vegetation Management (VM) denatment about the management (VM) programs within the VM department, the Constraints a) For some Vegetation Management (VM) programs within the VM department, the Constraints	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/odfs/	0	N/A	8.2.6	Vegetation Management and Inspections	Open Work Order
117	CalPA	Set WMP-13	CalPA_Set WMP- 13	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 PG&E expect to be in implemention its noncess for contraliction customer 	constraints process as early as Q2 of 2023. b) The CMT has already begun facilitating regular check-in meetings with our Environmental teams in discuss environmental permittion peeds, discuss comptimities for process improvement, and to	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	8.2.6	Vegetation Management and Inspections	Open Work Order
118	CalPA	Set WMP-13	CalPA_Set WMP- 13	5		1 able / 4 of pp. 3//-31.5 dF Value 5 WMP visits the top track circuit segments (i.e., raisset) segments where could by total wildlife risk), a) Foothoris b in the could by total wildlife risk). a) Foothoris b in the could by total wildlife risk). Total WFPSS: Presse equal to wPOSE quart and the risk reduction associated with TPSS: Presse equal to wPOSE quart and the risk reduction associated with TPSS: Presse equal to wPOSE quart and the risk reduction associated with TPSS: Presse equal to wPOSE quart and the risk reduction associated with TPSS: Presse equal to wPOSE quart and the risk reduction associated with the POSE of POSE of POSE of POSE wINP lists four consequence values derived from the mean MWF of hotorical fires.		Holly Wehrman	4/6/2023	4/28/2023	4/28/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 013.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	7.2.2.3	Wildline Mitigation Strategy Development	Highest-Risk Circuits Over the 3- Year WMP Cycle
119	CalPA	Set WMP-13	CalPA_Set WMP- 13	6		a) Has PG&E performed a sensitivity study to determine the effect of these values on the output of PG&E's WFC model? A sensitivity analysis could involve (for example) perturbations in how the mean MAVE of historical fires is calculated, or which historical fires are included in the calculation. In section 7.2 on pp. 275-276 of PG&E's WMP, PG&E states? We determined that EPSS is a final section 7.2.1 on pp. 275-276 of PG&E's WMP, PG&E states?	explanation of our deductive analysis. b) For points within High Fire Risk Areas (HERA) (or pon-HERA), there is only a single variable	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.ppe.com/ppg_global/common/pdfs/	0	N/A	6.2.2.2	Risk Methodology and Assessment Wildline Mitigation Strategy	Consequence
120	CalPA	Set WMP-13	13	7	CaIPA_Set WMP-13_Q7	EPSS RSE of 105.7' a) Other than RSE what other criteria did PG&E evaluate in the decision to move avery from For each of the following programs, what metrics does PG&E track to validate their impact and effectiveness at mitigation the impacts of PSPS events?	Besides mitigation effectiveness and implementation and operating costs described by the fixst Spend Efficiency (RSL), we considered the fatter pace of implementing EPSS compared to EVM, which results in frater risk reduction. The ability has reared EPSS ancress all circuits in the Hin-Eine 3) we track Magnetis (MV), solationser mitigated, and the number of usages per location cases a season to validate the impact and effectiveness of Temporary Distribution Microgrids. B) we to ack damate the impact and effectiveness of Temporary Distribution Microgrids.	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/ safety/emergency-preparedness/natural-	0	N/A	7.2.1	Development	Activities
121	CaIPA	Set WMP-13	CalPA_Set WMP- 13	8		Do the following programs have any impact on customer reliability (e.g., frequency or duration of outages) in general? Please explain your response for each program.	number or benefining customer accounts. •) Bease see our response to subnart (h) (a) Distribution microgrids are designed to power communities' central corridors, or "Main Streets", (b) bade refair unrelide alectricities to citize for filter and borned community resources, and reduce	Holly Wehrman	4/6/2023	4/12/2023	4/12/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 013.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	0	N/A	8.1.2.7	Grid Design and System Hardening	Microgrids
122	CaIPA	Set WMP-13	CalPA Set WMP-	9	CaIPA_Set WMP-13_Q9 CaIPA_Set WMP-	a) Temporary Distribution Microgrids b) Community Microgrid Enablement Program c) Microgrid Incertine Processor Figure 7-1 on p. 298 shows a sharp decline in risk after 2026.	The provide section of the section indicates and an encoder have y devote and reacted the number of customers impacted by PSPS. In general customers being served by a temporary distribution microgrid will experience have brief outages: one as the microgrid is connected and one when the microardist disconcented table the PSPS concerning the provide section of a) The context for this sharper decline in risk after 2026 represents the expected, continued ramp- up of undergrounding miles to be installed each year.	Holly Wehrman	4/6/2023	4/12/2023	4/12/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/Caladvocates 013.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	0	NA	8.1.2.7	Grid Design and System Hardening Wildfire Mitigation Strategy	Microgrids
123	CaIPA	Set WMP-13	TalPA_Set WMP-	1	13_Q10 CaIPA Set WMP-14 Q1	a) Please provide context as to what drives this decime. b) Why does PAGE anticipate a significantly more rapid rate of decime in residual risk after 2026 than the 2020-2026 period? PAIR of PAGEX WHAT states (regarding PGAE's undergrounding program), "Among other benefits, the reduced pace (as compared to prior projections) will decrease costs in the initial years of the program."	b) The more majorate 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%) circuit accements. In which the benefits of undergrounding are cumulative over time. See There are also additional benefits to reducing the near-term undergrounding mileage targets, includion mostle to due more receiver.	Holy Wehrman	4/11/2023	4/12/2023	4/12/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 013.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-		NA	8.1.2.2	Grid Design and System Hardening	Projected Overall Risk Reduction
124	CaPA	Set WMP-14	T4 CalPA_Set WMP-	2	CaPA_Set WMP-14_Q1	years of the program." Please is the "hort benefits" referenced in the quote above. P: 347 of PG&Es VMUP4 states (regarding PG&Es undergrounding program), "Among other benefits, the reduced pace (as compared to plot projections) will decrease costs in the initial years of the program." Please is the "hort benefits" referenced in the quote above.	Including providing more time to drive process improvements that may reduce long term costs and drive long term differency of the program. a) No. DTS-RST cases not have the capability to revengine a lane. Currently, DTS FAST is monitoring only, and is not advantable approximation to the drive and the system has more testing to ensure accuracy. b) DTS-RST second task will exposit am conditions in red line. For example, if vegetation has	Holy Wehrman	4/11/2023	4/17/2023	4/17/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/ safetv/emergency-neeparedoess/natural-	-	NA	8.1.2.6.1	Grid Design and System	and/or Equipment – Distribution Distribution, Transmission, and Substation: Fire Action Schemes
126	CalPA	Set WMP-14	14 CalPA_Set WMP-	3		P. 359 of PG&E's WMP discusses Breakaway Connectors, and states, "The breakaway	failes into the altern sone and sensitive (i.e. learning on the conductor line) the altern will sensitin a) Maximum wild speed is not easily defined. Span length, tension, conductor size and wind direction al influence the maximum wind speed. General Order 95 rule 49.4 Table 8 and 49.4 C3 require Supply service droos to have a minimum	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	disaster/wildfire-wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	0	N/A	8.1.2.6.2	Hardening Grid Design and System Hardening	and Technology Breakaway Connector
127	CaIPA	Set WMP-14	14 CalPA_Set WMP- 14	4	CalPA_Set WMP-14_Q4	141 bit for grand de-energiant's vision a producted point to signal action and units wrond we shall all what is for maximum wind speed that Breaksawy. Comcesson can hand with which separating? In Han, BC&E shulled whether conditions with that could cause a temporary fault and minimal or P. 359 of PC&E's WMP states, "Breaksawy disconnect does not impact PSPS Risk." Please tatte the basis for the above quote.	strength of #8 soft or annealed copper. This is 470 å pounds. The service breaksawuhat kan vanishelw wank leks 500 hs. for services 75 and shocker 760 Breaksawy disconnects are used to prevent energized vire down to minimize ignition risk. At this point in time, of the presence of breaksawy disconnects is not included in PSP5 scoping discission, Breferice, releaksawy disconnects do not imgest the PSP5 risk.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	disaster/wildfires/wildfire-mitigation: plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation-	0	N/A	8.1.2.6.2	Hardening Grid Design and System Hardening	Breakaway Connector
128	CalPA	Set WMP-14	CalPA_Set WMP-	5	CaIPA_Set WMP-14_Q5	Y. 365 of POALE'S WMP states, Temporary distribution micrograss are designed to support community resilience and reduce the number of customers impacted by PSPS by energizing finalin street corridors' with clusters of shared services and critical facilities so that those	a-c) Responses are summarized in the tables below, by year: 2020: Temporary Distribution Microgrid available to operate in 2020	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation-	0	N/A	8.1.2.7.2	Grid Design and System Hardening	Temporary Distribution Microgrids
129	CaIPA	Set WMP-14	CalPA_Set WMP- 14	6	CaIPA_Set WMP-14_Q6	resources can continue serving surrounding residents during PSPs events." - "Soo or Hoad's twome same," I net Resources cades wheth PSP services and the service service and the service serv	Approx. rby of service of several does not approximately \$3.3MM. PG&E does not have the register fragmentation of our project approximately \$3.3MM. PG&E does not have the project fragmentation of our project partners. Place contract Schatz Energy Research Center at Cal.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.2.7.3	Grid Design and System Hardening	Community Microgrid Enablement Program and Microgrid Incentive Program
						Choice Aggregator), in collaboration with PG&E's EPIC 3.11, "Multi-Use Microgrid," project." P. 365 of PG&E's WMP states, "The successful deployment of RCAM provides a model for other communities for collaborative development of multi-customer microgrids for energy resilience." a) Howdoes PG&E determine the success of the RCAM?	The start of the start of the Project, PG&E defined the following metrics to calculate the full					plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-				Grid Design and System	Community Microgrid Enablement

131	CalPA	Set WMP-14 CalF	PA_Set WMP- 14	8	CaIPA_Set WMP-14_Q8	P:369 of PG&E's WMP states, "For 2023, we have planned to instal devices that will provide significant reliability benefits on fuse tap lines that are in the scope of EPSS." a) Please quantify 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 cuatomer minutes. During EPSS enablement, updream protective devices are required to see faults beyond fuses to provide a gang trip of all three phases upon a fault condition. This practice multifies the benefits of traditional line fuse protection. With three additional protective devices	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-	0	N/A	8.1.2.8.1	Grid Design and System Hardening	Installation of System Automation Equipment – Distribution Protective Devices
132	CalPA	Set WMP-14 CalF	PA_Set WMP- 14	9	CaIPA_Set WMP-14_Q9	h) Please provide any available workpapers or studies to support your response to nart (a) P. 385 of PG&E's WMP states that it will perform a "Substation Animal Abatement Effectiveness Study' in 2023. a) When does PG&E expect to begin the Substation Animal Abatement Effectiveness Study?	Installed, nonection analysishib and conservation reliability immact can be returned in the tanine a) The study was officially lickled off on January 28, 2023. The "PS1" team at Electric Power Research Institute (EPRI) was provided with PGGE historical animal contact records, existing and historical animal abatement strategies employed by PGGE, and other pertinent information needed to perform the study.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge.global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	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 CalF	PA_Set WMP-	10	CaIPA_Set WMP- 14_Q10	b) When does PG&E expect to complete the Substation Animal Abatement Effectiveness Study? 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.	to periorm me study. b) The study is enceled to conclude by Jak 18, 2023. b) The study is enceled to conclude by Jak 18, 2023. Please see our current procedure 1D-2222P-01 for the requested information: thips.//www.ppc.com/pgdboalcommon/stds/all49(emregency prepared/ess/hatural- disater/withfires/withfire-mitigation-planistandarb-and procedures/b2225p-01.pdf The Revision Notes table on page 40 of the document describes in dealth the changes that were	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.1.3.1.5	Asset Inspections	Intrusive Pole Inspection
134	CaIPA	Set WMP-14 CalF	PA_Set WMP-	11	CaIPA_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."	made consared to the neice version a) The quote referenced above is based on the wildfire consequence scores from the WDRM v3. b) We plan to review wildfire risk model results annually and evaluate how to update the inspection	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	0	N/A	8.1.3.2.1	Asset Inspections	Detailed Ground Inspection
135	CalPA		PA_Set WMP-	12	CaIPA Set WMP-	The part of the second se	c) After we review risk model results each year, we will evaluate whether the plan needs to be particuled. I loades to the name inductive reasoning a natit man to a different nonsecrement iner a) in order to ensure we will continue to reduce our backlog of asset tags, as of January 1, 2023, all new HFTDHFRA tags will be completed by the compliance date. Thus, these tags will be in a treatment in a different in order on the reduce our backlog of asset.	Holy Wehrman	4/11/2023	4/17/2023	4/17/2023	disaster/wildfires/wildfire-mitigation: plan/reference-docs/2023/CalAdvocates_014.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	0	N/A	817.2	Onen Work Orders	Open Work Orders – Distribution
136	CalPA		14 PA Set WMP-		14_Q12 CalPA Set WMP-	P. 463 of PG&E's WMP states, "EPSS does not cause a power outage." Given that EPSS	a) in other to childre we will communit in House for an additional of all and applications of the second					disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-				Grid Operations and	Tags Protective Equipment and Device
		Set WMP-14	14 PA Set WMP-	13	14_Q13 CalPA_Set WMP-	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 2022.	distribution system when a fault or abnormal condition is detocted that could generate a spark and backequient utility generations are used a softening higher impedance faults. Outgage shark course when all PG&E reported 1.081 unknown cause outgages in 2022. Note that while this is indicative that onclusive corrective actions want to directified using the outgages particular systems for process, it is not indicative of no ignition risk. Our focus during outgage particle and restoration is to restore prover as soon as it is safe to do so for our customer and communities.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.8.1.1	Procedures Grid Operations and	Settings Protective Equipment and Device
137	CalPA	Set WMP-14	PA_Set WMP- 14	14	14_Q14	and of the EPSS-triggened outages in 3022, In how many of these outages did PG&E first that no corrective actions were regarding prior to -energising (Le Nerve was no persistent condition that PG&E model to rescale unon inspection the location of the actions)? PLAS of PG&ESE WWW states, "In 3022 we expanded the scope of EPSS to all HERAe in our service territory and select adjacent EPSS buffer area." a) in 3022, of PG&ESE parged the scope of EPSS to all HERAe and all HETD?	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. It) hanges that ourcrued as a neuroint of raisend subtribution of from in our hoursent (e. o. a numo or a) EPSS capability was setended to 100% of HFRA in 2022. 100% of HFTD was not largeled. ID PDE FS_UFIC_man is a reasonable with anot is indicating to the hoursent (PDPD).	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfires-mitigation- plan/reference-docs/2023/CalAdvocates_014.tip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.8.1.1	Procedures	Settings
138	CalPA	Set WMP-14 CalF	PA_Set WMP- 14	15	CaIPA_Set WMP- 14_Q15	b) If PG&E did not expand the scope of EPSS to all HFTD in 2022, please state the basis for this decision Cal Advocates understands that a circuit segment that has been undergrounded may still	a) Outpend that approximate is a same indication of temporal antibiotic control in the control of temporal and a same control of temporal and tempora and temporal and temporal and temp	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	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
139	CalPA	Set WMP-14 CalF	PA_Set WMP- 14	16	CaIPA_Set WMP- 14_Q16	experience PSPS outages, if segments upstream or downstream of the undergrounded circuit segment are subject to PSPS. a) Is the above understanding correct? If not, please correct the above. b) Diricine the 2023-2023 WMP notion. does PGAE intend to althout termorane microarisk on other. a) Has PGAE benomed a study or back cast to predict the likelihood that an undergrounded	characterization declarity in possible in a possible in a service downs the am notation revices. b) in cases where undergrounding segments affected by upstream overhead segments, mitigations such as Temp Microgrids may possibly remove the underground section from scope. However, it may not be feasible to utilize temporary microgrids due to resource constraints, and/or a) No, we have not performed a study or back cast mentioned in the question.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	safety/emergency-preparedness/natural- disaster/wildfire-wiltigation- plan/reference-docs/2023/CalAdvocates 014.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	9.1.5	Public Safety Power Shutoff	Performance Metrics Identified by the Electrical Corporation
140	CalPA	Set WMP-14 CalF	PA_Set WMP- 14	17	CalPA_Set WMP- 14_Q17	segment will be subject to PSPS de energizations due to upstream or downstream segments becoming subject to PSPS? b) if the answer to part(a) is yes, please provide the results of any such studies. c) if the answer to part(a) is no. riesae entitien who not a) Has PG&E profilmed a study or back cast to predict the likelihood that an undergrounded	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 expected metuchon in customers, affected by ESPS for future underground work. a) We have not performed this year of study.	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.nae.com/oae_dobal/common/odf/	0	N/A	9.1.5	Public Safety Power Shutoff	Performance Metrics Identified by the Electrical Corporation
141	CalPA	Set WMP-14 CalF	PA_Set WMP- 14	18	CaIPA_Set WMP- 14_Q18	segment will be subject to an EPSS-triggered 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 part (a) is no. necesse enrollin who not Bearse provide the lot of all field incidents that concreated from 2020.0002 and involved an	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 is natively earn. The analysis would need to be circuit specific. For this type of study to be more meaningful, a meater number of underground miles and tened to be PG&E object to be request as beyond the scope of this proceeding and unrelated to PG&Es.	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	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
142	CalPA	Set WMP-14 CalF	PA_Set WMP- 14	19	CaIPA_Set WMP- 14_Q19	underground electric distribution line. For each incident, please provide: a) Date of the incident b) Whether the dio-in was caused by PG&E employees. PG&E contractors, or a third-party	Pose optice is an energiest as adjust the scope of this proceeding and alreaded or Pose's 2023 VMP. Novimitshanding and whose waiving these objections, we provide the following information in relation to dig ins that happened in the 2020 to 2022 timeframe within HFTD Tier 2 and Tier 3 zones:	Holly Wehrman	4/11/2023	4/28/2023	4/28/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- diaster/wildfire-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	CaIPA	Set WMP-14 CalF	PA_Set WMP- 14	20	CaIPA_Set WMP- 14_Q20	c) Prosterio of the assertition contexe, if undertable al During the production (2002-2002) (dd PGAE replace any distribution poles as part of its WWIP activities for which PGAE had not fully recovered the original cost of the pole? b) if the answer to part (a) js yes, which was PGAE's practice regarding cost recovery on the unrecovered portion of the value associated with the replaced pole? (c) if the answer to rank (a) is use, which are mode to the united of such notes that PGAE' prefaced (c) if the answer to rank (a) is use, absence mode the neutrinot of such notes that PGAE' prefaced (c) if the answer to rank (a) is use, absence mode the neutrinot of such notes that PGAE' prefaced (c) if the answer to rank (a) is use, absence mode the neutrinot of such notes that PGAE' prefaced.	(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/wildfires-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 CalF	PA_Set WMP- 14	21	CaIPA_Set WMP- 14_Q21	c) If the answer to card (a) is use, phase movide the number of such robes that PGAE created a) During the period from 2020-2020; d) PGAE regards and y distribution conductor as part of this WWB activities for which PGAE had not fully recovered the original cost of the conductor? This may involve undergrounding a previously hardened line, or replacing a base overhead line with covered conductor.	(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.	Holy Wehrman	4/11/2023	4/17/2023	4/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfires-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 CalF	PA_Set WMP- 14	22	CalPA_Set WMP- 14_Q22	It if the assesser to not (A) is used, what also DRAE's reaction reservation cost terrowner on the obj During the prototion 02:00-02:02 did PG&E register any distribution transformers as part of its WMP activities for which PG&E had not fully recovered the original cost of the transformer? b) if the answer to part (a) is yes, what was PG&E's practice cost recovery on the unrecovered portion of the value associated with the registed transformer?	(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	http://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- ble/kineses-dnes/2023/celakenstes-20.4 pie	0	N/A	8.1.4.11	Equipment Maintenance and Repair	Transformers
146	CaIPA	Set WMP-14 CalF	PA_Set WMP- 14	23	CaIPA_Set WMP- 14_Q23	c. If the answer to not r (a) is use, neares movide the number of such transformers that PG&E a) In 2022, how many ignitions did PG&E experience related to overhead covered conductor distribution lines? b) In 2022, how many ignitions did PG&E experience related to overhead bare conductor distribution lines?	a) In 2022, PG&E observed 1 CPUC reportable ignition where the equipment type associated with the ignition was insulated databuturin primary overhead conductor. b) 1 2022, PG&E observed 183 CPUC reportable ignitions where the equipment type associated with the ignition was bare databuturin primary overhead conductor. c) to 2022 CPG&E observed 1.20 CPUC reportable ignitions where the equipment type associated with the ignition was bare databuturin primary overhead conductor. c) to 2022 CPG&E observed 1.20 CPUC reportable ignition where the equipment type associated with c) to 2022 CPG&E observed 1.20 CPUC and CPUC	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	http://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/Calidvocates 014.zip	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-06 – Addressing Increase in Risk Events
147	CalPA	Set WMP-14 CalF	PA_Set WMP- 14	24	CaIPA_Set WMP- 14_Q24	n. In 2022, how many lonitions did PG&E extensions related to undersmund distribution lines? a) In 2022, how many lightions did PG&E experience related to overhead secondary distribution lines? b) In 2022, how many lightions did PG&E experience related to overhead service lines?	c) Is 2022. PG&E observed 1 CPU Creportable ionition where the enummeric here associated with a) In 2022, PG&E observed 44 CPUC reportable ignitions associated with overhead secondary facilities. b) In 2022, PG&E observed 54 CPUC reportable ignitions associated with overhead distribution reports for initiate.	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-miligation- plan/reference-docs/2023/Caliddvocates 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 CalF	PA_Set WMP- 14	25	CaIPA_Set WMP- 14_Q25	P.89 of PG&E's 2022 Joint Annual Report to Shareholders states: On October 26, 2022, the Ultily notified the CPUC that the Ultily's procedure for wood pole replacements did not comply with CPUC requirements for replacement of poles under certain conditions and, accordingly, in some instances, the Ultily failed to replace wood poles with safety	a) Please see "WMP-Discovery2023_DR_Calvdvocates_014-0025Atch01.pdf" for the requested information. b) The specific referenced non-compliances were with General Order (GO) 95, Rules 12.2 and 44.3. Please see page 1 of "WMP Discovery2023_DR_Calvdvocates_014-0025Atch01."	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	http://www.pge.com/pge_global/common/pdf/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	N/A	8.1.2.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
149	CalPA	Set WMP-14 CalF	PA_Set WMP- 14	26	CaIPA_Set WMP- 14_Q26	Enclose below the remained minimum A P. 88 of PGASE: 2022 Joint Annual Report to Shareholders states: On December 22, 2022, the Utility submitted an update to the CPUC explaining the Utility had identified a population of wood poles that had not received initrusive inspections in accordance will GO 165 s deadines due to bagay issues, which should no longer be an issue due to changes in	The specific referenced condition is when both the remaining strength of the role and the a) Please see "WMP-Discovery2023_DR_Calkdvocates_014-Q026Atch01.pdf" for the requested information.	Holly Wehrman	4/11/2023	4/17/2023	4/17/2023	pian/reterence-docs/2023/Caladvocates 014.1jp https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	1	N/A	8.1.2.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
150	CalPA	Set WMP-15 CalF	PA_Set WMP- 15	1	CaIPA_Set WMP-15_Q1	Littlik monochims. PGAE states in response to Question 1 (b) of CalAdvocates-PGE-2023WMP-08: PGAE will maintain clearances where EVM work occurred. PGAE will also be prescribing a minimum radial clearance of 12 feet throughout the system within HFTD and HFRA. Two new programs. Venetation Management for Operational Ministrion (MMM) and Posused Tree	Discourse/2023_DB_Caldwincates_D14_002584xbf1.off ** a) Vegetation Management for Operational Milgation (WMOM) will be primarily focused in HFTD and HFRA. There are instances where a circuit segment may cross in or out of HFTD.HFRA and WMOM would complete work on the whole circuit segment including the areas outside HFTDHFBA_concent free increactions are named for HFTD areas. In the rand waveneed for	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	plan/reference-docs/2023/CalAdvocates_014.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation:	0	N/A	8.2.2.2.6	Vegetation Management and Inspections	Discontinued Programs
151	CaIPA	Set WMP-15 CalF	PA_Set WMP- 15	2	CaIPA_Set WMP-15_Q2	Issuencion, ser Merk to result in incluidad tenses that warrant enhanced clearance when FDM tures PG&E states in response to Question 1 (c) (iii) of CalAdvocates-PGE-2023WMP-08 that its stategy for determining desired clearance distances going forward will be "Minimum of 12 feet of clearance or enough clearance to mitigate potential impacts to facilities if tree (whole or portion of followaruses to occur"	(b) 213 and the BBD peaks sampled (22%) data there existence of intrainte impections within Renormalized and the BBD peaks sampled (22%) data there are also and the BBD peaks and the BBD peak	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	8.2.2.2.6	Vegetation Management and Inspections	Discontinued Programs
152	CaIPA	Set WMP-15 CalF	PA_Set WMP- 15	3			prohimatic tree conditions between inspection crucies and obtainion 2-3 years of relearance PG&E intends to track trees identified for work under VMOM and FTI using the OneVM tool.	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	82224	Vegetation Management and Inspections	Tree Removal Inventory
153	CaIPA	Set WMP-15 CalF	PA_Set WMP- 15	4	CaPA_Set WMP-15_Q4	tees an discovered white completing the TRI scope of work, they would be isted for work provident and and homer VM accounses. PGAE states in its response to Question 1 (c)(ii) of CaliAdoxcates-PGE-2023WMP-08 that a will discible distried charance distances "Based on analysis of volgad data and twich by AOC. Additionally, any tree which is within MDR, will be within the MDR before net work completion cycle or is showing signs of imminiem tabue before network completion cycle".	a) As a program being performed in addition to Routine VM, the objective of FTI is not based on a uniform or regional clearance specification or a "desired clearance". Outage analysis and data is intended to help inform the Vegetation Management Inspector (VMI) to identify which species and half alture types are increasing localized outage trends. For example, this information can help the second secon	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	8.2.2.2.6	Vegetation Management and Inspections	Discontinued Programs
154	CalPA	Set WMP-15 CalF	PA_Set WMP- 15	5	CaIPA_Set WMP-15_Q5	Please concide two PCAE and identifications design of planta and the interview of the		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	82224	Vegetation Management and Inspections	Tree Removal Inventory
155	CalPA	Set WMP-15 CalF	PA_Set WMP- 15	6	CalPA_Set WMP-15_Q6	PGBE status in its response to Question 2 (c) of Calidvocates-PGE-2023/MP-08 that: For FTI, Areas of Concern (AOCo) were identified through a cross-functional effort utilizing count) based regional reviews to create polygons which are geographic areas. Initial polygon	Homostantin interest and the second sec	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	8.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
156	CalPA	Set WMP-15 CalF	PA_Set WMP- 15	7	CaIPA_Set WMP-15_Q7	pendentitions aromatine. 310 wars lookback of matecombinus data and exolute is identified BEBE PGRE states in this response to Question 2 (h) of CallAdvocates-DEC-2023/WIAP-08 its Tree Inventory Program "is planned to last 9 years". In response to Question 9 (a) of CallAdvocates- PGE-2023/WIAP-08, it provides a pace for the next three years of 15,000 trees in 2023, 20,000 three in 2024 and 25 000 trees in 2025.	a) The pace was provided for the first three years of the program with intent to ramp up annual pace. By years is a starting point to plan the pace of work completion however, the become learned with inform the completion mining. But not plan the pace of work completion however, the became learned with Max nethering the the program with intent to the three years of the program for learned with Max nethering the prosterior like in the limit of ware of the program for learned to the program of the program of the program for learned to the program of the	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	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
157	CalPA	Set WMP-15 CalF	PA_Set WMP- 15	8	CaIPA_Set WMP-15_Q8	a Blease exclain why PG&E is forecasting it will take 9 years to work down its previously. PG&E states in its response to Question 3 (h) of CaliAdvocates-PGE-2023/MIP-08 that "The Widfire Data Risk Model (WDRM) v3 was utilized to prioritize nine CPZs for the VMOM program." a)Please provide the CPZs that were prioritized for the VMOM program.	Isamed recarding safety efficiencies, and coordination with other system bardening activities, so a) Narrows 21052216 Morgan Hill 2111XR398 Laurebs 11110200	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	plan/reference-docs/2023/CalAdvocates 015.zip https://www.pge.com/pge_globa/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-wiltigation-	0	N/A	8.2.2.3	Vegetation Management and Inspections	VM for Operational Mitigations
158	CalPA	Set WMP-15 CalF	PA_Set WMP- 15	9	CaIPA_Set WMP-15_Q9	b)How was the WDRM v3 model utilized in prioritizing the nine CP2s3 c)What rick threadold no other criteria was used in nonclificiton the nine CP2s2 PG&E tables in this response to Question 3 (r) of CalAdvocates-PGE-2023/WM-08 that "PG&E will utilize EPSS Quages Estert of Condition (EOC) pattoles to identify and generate additional tree work throughout the year. Additionally, EPSS outage data will be utilized in the scope of work	Templeton 2110301690 Bin Basin 11017201 The additional tree work that is generated throughout the year will be worked according to normal VM program timelines. If vegetation is determined to be an immediate risk to PG&E facilities, described as a Priority 1 in	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	8.2.2.2.3	Vegetation Management and Inspections	VM for Operational Mitigations
159	CalPA	Set WMP-15 CalF	PA_Set WMP-	10	CaIPA_Set WMP- 15_Q10	development for the following year." Please movide the line frame or date when PG&E would date to correlete the additional tree work PG&E tables in this response to Question 4 (e) of CaN4vocates-PGE-2023WMP/08 that "PBU ACCs are prioritorized using WRMMA". The four pilk ACCs selected for 2023 incorporated additional reviews from the VM Execution Operational Team to select appropriate regional areas	W program metelles. W program metelles. W sequetaria is developed to an immediate raik to PCAE Facilities, described as a Priority I in de VM Priority Tag Procedure, the condition will be mitigated with 24 hours of identifications as a VMBMA vegetarias concess were apgregated at the AOC bere for concisionate agreent without ACC polypoin boundaries. The resulting VMBMA aggregated scores were averaged per AOC, based to a score of the analogical and a score of the analogical and and and ACC polypoint concess and aggregated and and and and and and and and and ACC polypoint and	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/wildfire-wiltigation-	0	N/A	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
160	CalPA		PA_Set WMP-	11	_	additional reviews from the VM Execution Operational Team to select appropriate regional areas to inform the program development. 	top 25 ranked AOCs. Pilot AOC selection process is described in response b). b) The four information management all excitent from the historiest ranket management for the second to a a) With a goal to identify regionally variable AOC to pilot the initial program the four AOCs were selected (See response to Question 10b). The 300 miles represents approximately 10% of the overall prioritized AOCs available for 2023 and is intended to yield the lamings needed to support.	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	otsaster/wildnres/wildnre-mitigation- 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	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
					13_Q11	processes and optimize efficiencies. Inspections will utilize Tree Risk Assessment Qualification (TRAO). Certified Arborists. Tree mitinations will be determined as necessary based on site and	and inform future work plans. Certified Arborists with the additional TRAD certification can immement industry best standards					plan/reference-docs/2023/CalAdvocates 015.zip				and mapeciating	

				-													
161	CalPA	Set WMP-15	CalPA_Set WMP- 15	12	CaIPA_Set WMP- 15_Q12	PG&E states in its response to Question 4 (h)(i) of Calidotocates-PGE-2023WMP-08 that "While inspection tools and data collection are expected to be standardized it is anticipated that more regional guidance will utilize historical outage data to help us identify problematic tree species and failure modes and site conditions to support focused inspection decisions and prescriptions."	a) The following clarifications are to provide 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 AOCs during the initial pilots. The outage, species and the failure details available for each AOC will vary and are expected to be reviewed prior to estate on other. The data is for distingted exergence, reven of which more building and/other to be and/other and the one other and the other an	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	CaIPA_Set WMP- 15_Q13	PGAE states in its response to Question 4 (k) of Califordian PGE-2023WMP-08 that "Pass or Fail criteria is not antiopated for the FT program. FT will use TRAQ Certified Arbonists to perform impections and prescribe work based on site and there specific conditions. Some trees will be trimmed and other will be removed to address associated risk between inspection cycles."	a) The dense of califordian as a provide more detail on any inner reporting parameter of the more than our californian and the second	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	http://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disater/wildfires/wildfire-mitigation- plag(reference-docz/02024/caldworster_015-pip	1	N/A	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
163	CalPA	Set WMP-15	CalPA_Set WMP- 15	14	CaIPA_Set WMP- 15_Q14	Please mode all criteria that PAAE all censive to determine these histories and removal. Textelmed PAGE states in the response to Question (i) of QUARAccess-PGE-0223/WHAPGAB-bar-PGAE has performed tab testing which has shown DCD is able to detect and de-energize dwared conductors reducing splitorion in keller installed." al/Please describe the methods, scope, and findings of the abovementioned lab testing al/Please norable and character domatical from the advormentioned lab testing.	a) DCD tails testing was formally conducted at ATS in 2022 to validate DCD effectiveness to detect and de-nergize yound conductors, and as calleration to todehooting, tailing maintenance, and debugging. The tests were designed to minic high impedance fault conditions experienced in the system such as a tree resting on energized conductor, or an energized conductor lying on sol, rooment and unations for fasts. These tests successful Americationation that the system concrete and unations for fasts. These tests successful Americationation fast (T) as a take in the system of the system system of the system of the system of the system of the system of the system of th	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	http://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disater/wildfires/wildfire-mitigation- plan/reference-dncr/2023/CaldMorates_015.pip	1	N/A	8.2.3.4	Vegetation Management and Inspections	Fall-In Mitigation
164	CalPA	Set WMP-15	CalPA_Set WMP- 15	15	CaIPA_Set WMP- 15_Q15	PG&E states in its response to Question 12 of Cal/Advocates-PGE-2023/WMP-08 that: "Should a program fall below a 95% 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".	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 stakholders, and includes the specific problem, counter measure(s) to date, raised issue date, target closure date, owner, and status.	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	http://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-miligation- plan/reference-docs/2023/CalAdvocates 015.zip	0	N/A	8.2.5	Vegetation Management and Inspections	Quality Assurance/Quality Control
165	CalPA	Set WMP-15	CalPA_Set WMP- 15	16	CaIPA_Set WMP- 15_Q16	PG&E states in its response to Question 13 (parts a, b, and c) of CalAdvocates-PGE-2023WMP- 08 that: Improved quality verticals have been established for 2023, allowing for greater insight into overall VM work product throughput and risk identification/miligation. Clear definitions of acceptance	against deficiencies. The "improved quality verticals" mean that PG&E has implemented complimentary layers of protection (swiss cheese model) to ensure active services and active protection (swiss cheese model) to ensure active services and active protection (swiss cheese model) to ensure active services and active protection (swiss cheese model) to ensure active services and active protection (swiss cheese model) to ensure active services active active services active activ	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	0	N/A	8.2.5.1	Vegetation Management and Inspections	Quality Assurance and Quality Verification
166	CalPA	Set WMP-15	CalPA_Set WMP- 15	17	CaIPA_Set WMP- 15_Q17	Vin work product introdiption and task between advecting provide the electronic to acceptate of (PGRE states) in the improves to Constant (Vin) of California (Vin) (Vi	In the section of the operative via downame, including internation, souther interdemation, and a Specieties its usone factor of many that PGGE tables into account to reliably identify the higher risk trees. Trees identified during routine and second patrol inspection cycles that require mitigation per PRC2423 and GO95 Rule 35 are expected to be identified and listed for work regardless of species.	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	https://www.pge.com/pge_global/commodate/ 023.np https://www.pge.com/pge_global/commodate/ disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/Calidvocates 015.zip	0	N/A	8.2.3.6	Vegetation Management and Inspections	High-Risk Species
167	CalPA	Set WMP-15	CalPA_Set WMP- 15	18	CaIPA_Set WMP- 15_Q18	PGEE states is in response to quarticito 17(b) intri "Development of any standard institute to high interaction of the states in the response to quarticity of the states	In the destroyed in a second both of the second both of the second base of the second both of the second bot	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-s/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 015.zip	2	N/A	8.2.3.6	Vegetation Management and Inspections	High-Risk Species
168	CalPA	Set WMP-15	CalPA_Set WMP- 15	19	CaIPA_Set WMP- 15_Q19		a mine and make the profile to the internet includes forecast costs for each EVM transitional program. Jay Peaks ese the updated table which includes forecast costs for each EVM transitional program. These programs were not active in 2022 therefore actual costs are not available. ACT FCST FCST 2022 2023 2024 Taxa Monthle \$100 473 \$100.617.5 08 112 Taxa Monthle \$100 473 \$100.617.5 08 112	Holly Wehrman	4/11/2023	4/14/2023	4/14/2023	http://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-s/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 015.zip	0	N/A	8.2.5.2	Vegetation Management and Inspections	Quality Control
169	CalPA	Set WMP-15	CalPA_Set WMP- 15	20	CaIPA_Set WMP- 15_Q20	In its response to Question 19(e) of CalAdvocates-PGE-2023WMP-08, PG&E says, "We do not have a source for tracking planned worked date for individual trees and are unable to provide the data at this time, and the same set of the same se	Tree Merchalin 5 (19) (20 & 10) for 17 & 98 (12) a) No. FGAE does not have a plan to develop a source for tracking planned work date for individual trees. b) Not applicable. c) When individual trees are identified as needing work, they are packaged into a work regast. Feat may nothink miles on the source into the source into the source of the source	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	8.2.3.4	Vegetation Management and Inspections	Fall-In Mitigation
170	TURN	004	TURN_004	1	TURN_004_Q1	Following up on the response to TURN Data Request 3, Question 2, please provide PG&E's data showing the "recorded reliability improvements at locations that have been undergrounded and/or have been hardened with covered conductor' that will be assessed in the study planned for cometicion on June 30, 2023.	That may contain millife times in the same circuit. The work identified is then sent not and We are providing the base 3-year outgoed statest in the attachment WMP Discovery/2023_DR_TURN_004-0001AbcD1CONF.skx: We are compling additional complimentary datasets because hardwing work is done attagredint bijn is segments, and these project locations do not completely line up with the data captured in outage records.	Tom Long	4/12/2023	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/TUBN_004.zjp	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		a. Input Data: the columns in Table PGAE-22-35-1 used the following prud data: 2022 PBPS Five. Year: Locktack-Athenyisis (2018-2022); this is an analysis which shows the hypothesical PBPS events created by applying 2022 PBPS guidance to the weather from 2018-2022. This is as or most accurate method or estimating PBPS impacts based on our ultate PBPS guidance, and results in a dataset identified the list of customers: immaching one herothesizal events. This list of customers is a The 2022 VMPS and 2023 VMP collectively discuss the following mitigations with the potential.	Tom Long	4/12/2023	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/TUBN_004.zjp	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	Regarding PG&E's response to ACI PG&E 22-35, beginning on page 971 of Ize WMP- a.Please identify each mitigation discussed in PG&E's current WMP or its 2022 WMP that has the potential to mitigate the scale, scope, frequency, or duration of PSP's events. b.Please explain why Table 22-35-1 only locks at the impact of two mitigations, indergrounding out MPO, and dues not expected with eather attributions besitefing in arcsman to submit (a).	a. The 2022 WMP and 2023 WMP colectively discuss the following miligations with the potential to miligate the scale, scope, frequency, or duration of PSPS events: -Distribution Sectionalizing Devices - Transmission Line Sectionalizing or Switching - Distributions in Moderaired Suitching (Distribution) - Distributions in Moderaire American - Distributions in Moderaired Suitching (Distribution) - Distributions in Sectionalizing Compared (Distribution) - Distributions in Compared (Distribution) - Distribution - Distribution - Distributions in Compared (Distribution) - Distribution - Dis	Tom Long	4/12/2023	4/17/2023	4/17/2023	https://www.ge.com/pge_global/common/pdfs/ safety/emergency-preparedness/hatural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TUBN 004.ip	0	N/A	Appendix D	Areas for Continued Improvement	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		1.Fil in the attached spreadsheet 'Wildline Miligation Table DR – PG&E' The first tab is a 'Glossary' which provides definitions for each attribute. The other tabs, 'Data Input,' 'Asset Inspections,' and 'Willinspections,' all need to be completed with data inputted from PG&E.	Please see attachment "WMP-Discovery2023_DR_SPD_003-Q001Atch01.xisx" which is the completed Wildline Mitigation Table DR – PG&E template provided to us by SPD.	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural: disaster/wildfires/wildfire-mitigation: plan/reference-docs/2023/SPD_003.zip	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_Q2	2 In "PGE_2023_WMP_R0_Section_642_Atch01," SPD has observed the mitigation effectiveness of Covered Conductor is on the order of 49% compared to the value reported in the WMP which is 64% (rage 340). Explain the discrepancy.	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 to Energy Safety's Guidelines. The 49% effectiveness cited above was due to an incorrect link in the original file and has been constructed in VMME/Discoven/2023. DB. SPD. 0103.0008.Mate.htm	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_003.zip	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		3.Confirm or revise PG&E's Butte County CH 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 2023 GRC ReptP Bief (Dec '22) PG&E forecast 2,000 SH UG miles (MAT 08W) and 100 Butte County UG miles (MAT 95F) for 2023-2026.		Kevin Miller	4/12/2023	4/19/2023	4/19/2023	https://www.pge.com/pge_slobal/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_003.zip	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_Q4	undergrounding program, it appears that undergrounding would have prevented only 87% of CPUC reportable institutes in the METO area between 2020-2022 primarily due to the impact of	a) In the 2022 WMP discovery process, we provided a data response that takened how PG68. Exclusional to the discovery 2022, DPC, additional and an explanation of the takened on the respect. (MMP, Descremely 2022, DPC, additional and the DBC, and the respect to the takened on subject (MMP, Descremely 2022, DPC, additional and the DBC and the respect to the takened on the takened matter exercise. Any utilities of this entry and the risk and the respect to the takened and a. There are three primary reasons why the risk named descreme segments are a bundled with 1. If the circuit asymptet length is less that in the Photose and segment to an extradict with the second second second second second	Kevin Miler	4/12/2023	4/19/2023	4/19/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_003.zip	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_Q5	a.Why does Column '0" 'Risk Rank (V2)' begin at Rank 7 (as opposed to 1) for circuits? I.Why does it end at 3328? I.Why do the nans in rank 1.N exist?	other larger projects (e.g., the circuit segments that are risk ranked 1, 3, 4, and 5 were all less than 1 mile and bundled with other larger groups of circuit segments). 2. Some of the circuit segments are noticable named lines: we send an annual letter to the name	Kevin Miller	4/12/2023	4/19/2023	4/19/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_003.zip	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	a Hais H-sac used is largered interspecies study to identify additional interances for and begin inventory of trees with the highest growth and highest failure potential? Lif so, explain the results and how PG&E has and will integrate this knowledge into its VM programs. If the d. release exclaim PG&E's stan to nerform this analysis and revolde a timeline for commistion.	a. In Fig. PGE has not used its Targeted Tree Species study to identify additional obserances for inventory of test with the highest point and highest liable pointain and there is currently or plant devices in the highest point and highest liable pointain and there is currently observed to the first many analysis of the membra into a read-an invensioned fiber on coherence has been been associated and the membra into a read-an invensioned fiber on coherence has been been associated and the second tree is topological and a second tree is topological to the fiber of the fiberational society of Adoxiculture (ISA).	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.sip	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	a virtua are the minimum quantizations for an inspector preforming are been assessment on the Focused The inspections? by Why and how did PG&E choose to use the American National Standards Institute (ANSI) A- 300 there is a assessment standard over PG&E's The Assessment Too(TAT) for Focused Tree inspections? Include a comparison of the benefits and drawbacks of ANSI & 300 and PG&E's.	a) The minimum quantization is of an implexity period into give the ends assistancia into the Focused The implexity is a first Kasessement Couldication (TRAO) through the international Society of Abstroiculture (ISA). b) We will allies the international Society of Abstroiculture (ISA) Basic Tree Risk Assessment Form for the Focused Time Insections. The Basic Trane Risk Assessment Form is crouside with the ISA. The confidential attorhemes are being provided pursuant to the accompanying confidentially.	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	8.2.2.2.5	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 unreducted version of the CERP and all annexes. a. On page 567, PG&E references the weather stations deployed over their 70,000 square mile	The commercial aductments are being provide paramite to accompanying connermany declaration. a. Please see attachment "WMP-Discovery2023_DR_OE is 002-0003Atch01CONF.pdf" for a urreducted version of our CERP. Please see attachments "WMP. Discovery2023_DR_OEIS_002.0003Atch02CONE.pdf" and "WMP.	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/2023/0EIS 002.zip	3	N/A	8.4.1	Emergency Preparedness	Overview
181	OEIS	002	OEIS_002	4	OEIS_002_Q4	a Con page do , respectively and the weather saturities depuyed over them response output in the territory for moving conditions. Li Provide the instillation standard that all PG&E weather stations are installed to. Include height from ground, direction of cross-sam, and which als do the pole/save they are installed on. In On nane 570. PG&E references the maintenance for their available stations and calibrations.	Places see the attachment "WMP-Discovery2022_DR_OEIS_002-0004ALrb01CONF.pd" for the regested information. Places see the attachment "WMP-Discovery2023_DR_OEIS_002-0004ALrb01 in Places see the attachment "WMP-Discovery2023_DR_OEIS_002_0004ALrb01 in the working this request, we discovered that same of the information in Table 7-4 is incorrect. We have corrected its inceprises to this discovery request. We wireshot of to discuss this update	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/2023/0EIS 002.zip https://www.pge.com/pge_global/common/pdfs/	2	N/A	8.3.2.1	Situational Awareness and Forecasting	Existing Systems, Technologies, and Procedures Projected Risk Reduction on
182	OEIS	002	OEIS_002	5	OEIS_002_Q5	Please provide an Excel version of Table 7-4: Summary of Risk Reduction for Top Risk Circuit Segments from PG&E's 2023 WMP.	and making corrections to the WMP pursuant to Energy Safety's Guidelines. Please see WMP attachment "WMP.Discoper/2023. DR. DEIS. 002/00054tcb01.vtsv." As indicated in Section. 81.41.2 of the 2073-2025 WMP con the transmission system auto.	Colin Lang	4/13/2023	4/18/2023	4/18/2023	safety/emergency-preparedness/natural- disaster/wildfires/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, PO&E only includes additional information for distribution protective devices. What program(s) does PO&E currently have for system automation equipment at the transmission level? a. Provide a definition for PG&E's "Critical Pass Rate" for its asset inspection QC, as shown in	recising is disabled for the entire wildlire season when the FPI rating traches R3 or greater. In addition, in Section 92.1, we explained how our Transmission Asset Health Specialist reviewes the system to identify if there are low impact lines that do not meet our PSPS scopion criteria (<i>a. a. Asset bealth, Vicentations Risk, Wildlire, Consensuence)</i> but can be a. "Critical Pass Rate" is the number of assets reviewed by QC that did not have a Critical	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 ACI PG&E-2221 Asset
184	OEIS	002	OEIS_002	7	OEIS_002_Q7	Table PG&E-22-21-1. This should include criteria for what qualifies as "critical" including any risk thresholds, associated equipment-types, or other relevant determinations. b Does "Critical Tables Rate" (affect from the "CA Review HTD Pass Rate" provided in Table RN- PC&E-22.08.07(in mesonese to Critical Issue RN-PC&E-22.08.07(if 12) and rescribe how the two a How many ignorins were evaluated val PG&EE E-Brogramm 32/221, 2022, and 2022 (if a How many ignorins were evaluated val PG&EE E-Brogramm 32/221, 2022, and 2022 (if a How Tables) representation of the two	Attribute (as defined by Asset Strategy) failure or miss divided by the number of assets reviewed by QC. This is shown as a percentage. A Critical Attribute is defined as: a condition that could lead to either an ignifon point or wire down situation that could result in a potential fire ignifon.	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 https://www.pge.com/pge_global/common/pdfs/	0	N/A	Appendix D	Areas for Continued Improvement	Inspections Quality Assurance and Quality Control ACI PG&E-2208 Better Application of Specific Lessons Learned from
185	OEIS	002	OEIS_002	8	OEIS_002_Q8	applicable) respectively? b.When would PG&E perform an EIA?	In 2021 and the scope/treadth of these evaluations may vary. Under the ELA program, we completed 147 ignition evaluations in 2022, and 17 ignition evaluations year-to-date in 2023. b. As outlined in our Ubity Procedure: RISK-G30EP-020 File Inclident Enhanced ignition Analysis Brocedure. (First techliched in Schatember 2023). Unitions with these scoedings mean ELA relieves The table fund dataset. The file file file file inclines a sensitive and the table of the methodent.	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/2023/0EIS 002.zip https://www.pge.com/pge_global/common/pdfs/	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	C Fritologi and sample of all grant Fulls performance to kit, mutang supporting D Provide the definitions for the EPSS classified pyrase under Catholic 1 of the tab balantial "2022 EPSS Classified balance bala" EPSS classified balance balance balance balance balance balance balance balance work the visit of the an ignition? - What processition at EPSS classified balance balance balance balance balance minimate and (information 1 Table 3 1 of the 0 balance balance balance) - Remain at all (information 1 Table 3 1 of the 0 balance	PG&E provided. EPSS Outage Type FTS "Fast Trip Setting"; Post-Optimized Circuit Settings HI T-Hot Line Tach "Broch Ontimized Circuit Settings a Please see the "Table 13 - Obsed" tab in attachment "WMP Discoverv/2023 DR OEIS 002-	Colin Lang	4/13/2023	4/18/2023	4/18/2023	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	a Private and Exact Streets and an Article Arabid by ProSet (2022 and and a street	Constraint and from a requested and maintaining time biological and constraints and the second	Colin Lang	4/13/2023	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/2023/0EIS 002.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	8.1.7	Open Work Orders	N/A
188	TURN	005	TURN_005	1	TURN_005_Q1	mitigation technique to use – Le., undergrounding, covered conductor, remote grid installation, etc. – including without limitation the criteria that PG&E uses to select the mitigation technique for that location. Please movide a parative evoluation of what the decision tree schematic shows.	the Targeted 10K UG program, PG&E predominantly used the System Hardening (see attachment WMP-Discovery2023_DR_TURN_005-Q001Aich03) and Fire Rebuild Decision trees (see attachment WMP_Discovery2023_DR_TURN_005,C001Aich022 in score work. Most of the	Tom Long	4/13/2023	4/19/2023	4/19/2023	https://www.pge.com/pge_gooa/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_005.zip https://www.pge.com/pge_global/common/pdfs/	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 PO&E has no such decision tree schematic, then please describe the process that PO&E uses to decide, for a given location, which mitigation technique to use – Le, undergrounding, covered conductor, remotig and installation, etc. – including without limitation the criteria that PO&E uses to select the mitigation techniques of that boaton. 3.In choosing among alternative system hardening mitigation techniques – Le, undergrounding, 3.In choosing among alternative system hardening mitigation techniques – Le, undergrounding, 3.In choosing anong alternative system hardening mitigation techniques.	Not applicable. PG&E has a decision tree. Please see our response to TURN_005-Q001. During the field scoping process, the team reviews all high-impact dependencies that could extend	Tom Long	4/13/2023	4/19/2023	4/19/2023	https://www.pge.com/pge_pdoal/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-miltigation- plan/reference-docs/2023/TURN_005.zip https://www.pge.com/pge_slobal/common/pdfs/	0	N/A	8.1.2	Grid Design and System Hardening	ALL
190	TURN	005	TURN_005	3	TURN_005_Q3	3. In choosing among alternative system hardening mitigation techniques – an exertism covered conductor, remote prid installation, etc. – for a given location, please explain how PG&E takes into account the execution and schedle in risk associated with undergrounding compared to other alternatives. PG&E discusses those risks in 16 2022-2025 WIMP at pages 344–346. They user also discussed in PG&E- Residen 2701 WIMP exercised nated rEX07211 arove, REX0.REX1.	the execution. During review, we evaluate alternative undergrounding routes to avoid such impacts, design decisions that could mitigate that risk, and the steps we can take to work with the applicable agencies to address potential scheduling and execution risk issues (e.g., permitting and land rishte).	Tam Long	4/13/2023	4/19/2023	4/19/2023	https://www.ege.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_005.zip	0	N/A	8.1.2	Grid Design and System Hardening	ALL

191	TURN	005	TURN_005	4	TURN_005_Q4	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 service connections are attached. To the exeint that this determination varies by project, please describe the criteria that PG&E uses to decide whether PG&E undergrounds service connections.	frequent ignitions and larger wildfires associated with the overhead primary distribution powerlines.	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- plan/reference-docs/2023/TURN_005.sip	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
192	TURN	005	TURN_005	5	TURN_005_Q5	5.For the undergrounding work described in PG&E's 2023-2025 WMP, please describe PG&E's 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 material has a back of the whole PG PG and the PG PG PG and the PG PG and the PG PG and the PG PG PG and the PG	Please see response to TURN_005-Q004, which includes our policy as it relates to secondary distribution lines.	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
193	TURN	005	TURN_005	6	TURN_005_Q6	valides by optiques, peakles descultes als unitiana faints roads unes lo seculore wester in-roads (26 mb dishtilhood incultion with ArMAE glaines System Handening undergrounding (as opposed to Robuld undergrounding) as that term is used in PG&E's WMP (see, e.g., Table PG&ES.41.2.2 on page 347), please provide PG&E's best estimate of the percentage of existing poles in the failched circuits (including poles supporting primary lines, successful y lines, and services) that will affected or use (including poles supporting primary lines, successful y lines, and services) that will affected or use (including poles supporting primary lines, successful y lines, and services) that will affected or use (including poles supporting primary lines, successful y lines, and services) that will affected or use (including poles supporting primary lines, successful y lines, and services) that will affected or use (including poles supporting primary lines, and services) that will affected or use (including poles supporting primary lines, and services) that will affected or use (including poles supporting primary lines) areas (including poles in the support primary lines) areas (including poles supporting primary lines) areas (including poles) areas (including poles) and pole affected or use (including poles in the support primary lines) areas (including poles) areas (including pole) are	PG&E does not currently track the existing poles that will be removed by undergrounded circuits. The analysis would require manual review at the individual project level and would include: • Determining the poles that are to be removed • Determining the poles that will be topped	Tom Long	4/13/2023	4/19/2023	4/19/2023	plan/reference-docs/2023/TURN_005.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- 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
194	TURN	005	TURN_005	7	TURN_005_Q7	Twith response to the values for 2023-2025 in the column for Estimated System Hardward Holeing Undergrounding Miles in Table PG&E-8.1.2-2 on page 347 of PG&E's 2023-2025 WMP: a For each war integer provide PG&E's estimate of the overhead circuit miles that will be	 Interminion the notes that are kindly caned and will remain after undercrounding. Based on subject matter experises and a sample of completed projects, the estimated overhead to undergrounding conversion rate is 1.25 miles of underground fine 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 be everywhenties. If all miles 	Tom Long	4/13/2023	4/19/2023	4/19/2023	http://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/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
195	TURN	005	TURN_005	8	TURN_005_Q8	8.With respect to the values for 2023-2025 in the column for Estimated Butte County Rebuild Miles in Table PG&E-8.12-2 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. 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 line removed. The 1.57 factor was based on relocated Community Rebuild overhead miles (2022- 2025) and local topography.	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	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
196	CaIPA	Set WMP-16	CalPA_Set WMP- 16	1	CaIPA_Set WMP-16_Q1	<u>In Earth forwers romainferd in response to subrand "in" release movide an estimated henakdown of</u> 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 devenergize a scular or circuit segment. b) Please provide PG&E's writen procedures or other documentation related to your response to b) Please provide PG&E's writen procedures or other documentation related to your response to	declaration. 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.ope.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 016.zip	2	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
197	CalPA	Set WMP-16	CalPA_Set WMP- 16	2	CaIPA_Set WMP-16_Q2	Regarding PG&E's Load Break Elbows: a) Please explain PG&E's operating procedure for operating a load break elbow in a vault to 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	Execution with a GPANA IFO antichail have occess rule order to define and occess rule or at the confidential autohemist are being provided pursuant to the accompanying confidentially de classion. What is a second particle of the control of the	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- plan/reference-docs/2023/Caladvocates 016.rip	0	N/A	8.1.2.10.3	Grid Design and System Hardening	Motor Switch Operator Switch Replacement
198	CalPA	Set WMP-16	CalPA_Set WMP- 16	3	CaIPA_Set WMP-16_Q3	Regarding PO&E's Junction Boxes: a) Please explain in detail PO&E's operating procedure for operating a junction box in a vault to energize or de-energize a circuit or circuit segment.	declaration. a) For distribution operations operating procedures, junction boxes my contain either Load Break although and boxes of the section of the sec	Holly Wehrman	4/18/2023	4/21/2023	4/21/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-s/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 016.rip	0	N/A	8.1.2.10	Grid Design and System Hardening	Other Grid Topology Improvements to Minimize Risk of Ignitions
199	CaIPA	Set WMP-16	CalPA_Set WMP- 16	4	CalPA_Set WMP-16_Q4		down to usu that the effect of the current or the current of the test of test	Holy Wehrman	4/18/2023	4/21/2023	4/21/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 016.zip	0	N/A	8.1.2	Grid Design and System Hardening	Other Grid Topology Improvements to Minimize Risk of Ignitions
200	CaIPA	Set WMP-16	CalPA_Set WMP- 16	5	CaIPA_Set WMP-16_Q5	Please explain PG&E's selection criteria for where to install the following equipment on underground circuits a) Pac-incurted transformers b) subsurface transformers b) subsurface transformers	Another all the outports where we local cheralise as in these as 0.4, LNA-existed billion. When I and the outport of the outp	Holly Wehrman	4/18/2023	4/21/2023	4/21/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-wiltigation- plan/reference-docs/2023/CalAdvocates_016.zip	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
201	CalPA	Set WMP-16	CalPA_Set WMP- 16	6	CaIPA_Set WMP-16_Q6	For each of the undergrounding projects that PG&E has planned for 2023, please answer the following questions on each project. a) How many voca each project b) How many vocabed avaihabes will be removed? b) How many vocabed avaihabes will be removed? c) How many vocabed avaihabes will be removed? c) How many vocabed avaihabes will be removed?	PG&E objects to this request as overbroad and unday burdemome. We do not maintain the requested information in a manner that allows it to be agregated without a manual review of each projects engineering and construction documentation. Manually coolering the data across hundreds of projects would request eignificant time and resources and the development of milline moresses to ensure data accuracy. If we unskil ke to descure bit PG&E docjects to the request as overband and unday burdemome. We do not maintain the ensure that the request as overband and unday burdemome. We do not maintain the sectors and the data accuracy of the regulation of the	Holy 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- plan/reference-docs/2023/CalAdvocates_016.sip	o	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
201	CaIPA	Set WMP-16	CalPA_Set WMP- 16	6 SUPP	CaIPA_Set WMP-16_Q6 SUPP	following questions on each project: a) How many 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 subscience that and a subscience and a subscience of a subscience of the subscience and a subscience and a subscience of the subscience and a subscience of the subscience of	Holly Wehrman	4/18/2023	5/2/2023	5/1/2023	https://www.ge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mst/natural- plan/reference-docs/2023/CalAdvocates_016.zip	o	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
202	CalPA	Set WMP-16	CalPA_Set WMP- 16	7	CalPA_Set WMP-16_Q7	10 Journal of the maintainant of the set of the interview of the set of	Lobertary our saud actions instruction of projects install require significant mile and reductes allo (PGES depicts to bur request as overhead and unday burdencess. We do not maintain the requested information in a manner that allows. It to be aggregated without a manual review of each register sequences and construction documentation. Mannar collecting the data across handreds of projects would require significant time and resources and collecting the data across handreds of projects would require significant time and resources and the method methods and across that devices the sense share across that devices the sense of the sense of the sense of the sense share across that devices the sense of the sense of the sense of the sense share across that devices the sense of the sense share across that devices the sense share across that devices the sense of the sense of the sense share across that devices the sense share across that devices the sense of the sense of the sense share across that devices the sense share across that devices the sense of the sense of the sense share across that devices the sense share across that devices the sense of the sense of the sense share across that devices the sense share across that devices the sense of the sense of the sense sense sense of the sense sense sense of the sense s	Holy 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- plan/reference-docs/2023/CalAdvocates_016.zip	0	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
203	CalPA	Set WMP-16	CalPA_Set WMP- 16	8	CalPA_Set WMP-16_Q8	c) Now many tile subthes to advanced nicrulin currently write R 12.3 - Distribution Pole Replacements and Reinforcements Page 332 of PO&ES WMP states, "Pole replacement and reinforcement reduce outage likelihood which decreases the chances of the area being impacted in Multer PPIS events. These programs also support public and employee safety because they improve the overall health of the distribution 8.2.12.0 - Other Carl Grapology Improvements to Minimar Bevia of grantoms.	 In the average, mediani, minimum and maximum age or poles (in years) replaced in 2020, 2021, and 2022 are as follows: 2020 2021 2021 2022 2023 2024 2024 2024 2025 2026 2027 2027 2027 2028 2021 2029 2021 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- plan/reference-docs/2023/CalAdvocates_016.zip	0	N/A	8.1.2.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
204	CalPA	Set WMP-16	CalPA_Set WMP- 16	9	CaIPA_Set WMP-16_Q9	8.1.2.10.1 -Downed Conductor Detection Devices Pg 374-375 of PG&E's WMP states, "Installation of DCD on existing, new, and retrofitted recloser	Table and associated paterial ignitions, reliable detection, and de mergrazian of high impedance fault control for the page balance and working to close. As part of EPSS, we deployed an expansive use of low set, non directional ground fault overcurrent protection, romonoti, informat na a Secultive Concourd Scale (SIGE) is and is the effort. Please see "WWP-Discovery2022; DP, CaldAvocates; 016-0210MArtiol task:" for a list of scalamed outlages in a HFD in 2020 thready 2022. The undergrounding information in response automation. The secultive Concourd 2022 and the scale outlages of the set of t	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- plan/reference-docs/2023/CalAdvocates 016.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.2.10	Grid Design and System Hardening	Other Grid Topology Improvements to Minimize Risk of Ignitions
205	CalPA	Set WMP-16	CalPA_Set WMP- 16	10	CalPA_Set WMP- 16_Q10	breaker trips and de-energizes the entire circuit due to a fault. For each circuit with an outage, the	to subsections G and H is based on the undergrounding workplan submitted in the 2023-2025	Holy Wehrman	4/18/2023	4/21/2023	4/21/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/Calldvocates 016.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	QDR	N/A	N/A
206	CaIPA	Set WMP-16	CalPA_Set WMP- 16	11	CalPA_Set WMP- 16_Q11	portion of a circuit was or will be undergrounded as part of an OH to UG conversion project, the circuit should be included: a) Provide the average peak load to circuit ampacity in percent from 2017 to 2019 for the circuits with 0H to UG conversion combined in 2020. With repart to PAEs rescores to CaPA. Set WMP-11 Q14: PG&E states that one of the	11. Sea Colem C. Poses see "WHP-Discovery2022_DR_Calk/woodse_016-0011Atch01xia" for the requested information. The attachment includes a separate worksheet for each subsection to this response and is labeled accounting (a, b, c, e). Passes nee that the circuits included in this response for plannet away (include). Planses more than the circuit and the circuits included in this response for plannet away (include) the subsection of During the demonstration oppect, are inversed plannet discluded and any and During the demonstration oppect, are inversed plannet discluded and approximation ratings.	Holly Wehrman	4/18/2023	4/25/2023	4/26/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 016.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment
207	MGRA	Data Request No. 2	MGRA_Data Request No. 2	1	MGRA_Data Request No 2_Q1	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. With regard to PG&E's response to CaPA. Set WMP-11. Q14: PG&E states that one of the	Loang the demonstration project, we reverse primary associate equipment instalation tanges. During REFC-Departon, Intel-organic 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 buy underground cable means identified during the review. The cable was tested for concentrin unitial resistance and tan deta. The cable such field during the review. The cable was tested for Direct buy of underground cable, meaning laying the cable directly in a direct hand not initiale and the review. The cable such tanges and the review.	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	safety/emergency-preparedness/natural- disaster/wildfire-wiltigation- plan/reference-docs/2023/MGRA_002.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
208	MGRA	Data Request No. 2	MGRA_Data Request No. 2	2	MGRA_Data Request No 2_Q2	significant changes to the grit required for REFCL. In "The replacement of dx, direct bury underground called." The required for REFCL is "The replacement of dx, direct bury Does FQRE have any recently underground segments that are allow "direct bury" With regards of REFCL as "The REFCL". The replacement of dx, direct bury underground called :: and requires to the grit required for REFCL is "The replacement of dx, direct bury underground called:"	conclut, is not a standard, approved design for our undergrounde electric distribution system at this point in time. As such, no, we have not recently undergrounded any electric distribution esgments via direct bury. The direct bury underground cable design itself would not be incompatible with <u>REFC1</u> however manufactions are old and the cable insulations are old and the cable insulation.	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 https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
209	MGRA	Data Request No. 2	MGRA_Data Request No. 2	3	MGRA_Data Request No 2_Q3	Does Hoat: If future undergrounding plans include "direct bury" and it so would that make these segments incompatible with REECL?	No, PG&E's undergrounding plans include cable in conduit with standard voltage ratings exceeding REFCL operating voltage.	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 https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.8.1.3.1	Grid Operations and Procedures	Rapid Earth Fault Current Limiter
210	MGRA	Data Request No. 2	MGRA_Data Request No. 2	4	MGRA_Data Request No 2_Q4	Please provide non-confidential versions of the following documents: WMP- Discovery/2023_DR_OEIS_001-Q007Abch02CONF.pdf	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 https://www.pge.com/pge_global/common/pdfs/	1	N/A	Appendix B	Supporting Documentation for Risk Methodology and Assessment Definitions Supporting Documentation	Detailed Model Documentation
211	MGRA	Data Request No. 2	MGRA_Data Request No. 2	5	MGRA_Data Request No 2_Q5	Please provide non-confidential versions of the following documents: WMP- Discovery2023_DR_OEIS_001-Q007Atch03CONF.pdf	Please see "WMP-Discovery2023_DR_OEIS_001-Q007Atch03_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 https://www.pge.com/pge_global/common/pdfs/	1	N/A	Appendix B	for Risk Methodology and Assessment Definitions	Detailed Model Documentation
212	MGRA	Data Request No. 2	MGRA_Data Request No. 2	6	MGRA_Data Request No 2_Q6	Please provide non-confidential versions of the following documents: WMP- Discovery/2023_DR_OEIS_001-Q007Abth04CONF.pdf	Please see "WIMP-Discovery2023_DR_OEIS_001-Q007Atch04_Redacted.pdf." The method of providing a geospatial file with the location of 2022 outages on EPSS enabled circuits used remains the derivatives of device location and therefore the experimental representation	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 https://www.gge.com/pge_global/common/pdfs/	1	N/A	Appendix B	Supporting Documentation for Risk Methodology and Assessment Definitions	Detailed Model Documentation
213	MGRA	Data Request No. 2	MGRA_Data Request No. 2	7	MGRA_Data Request No 2_Q7	Please provide a GIS file of 2022 outages occurring on circuits where EPSS was enabled.	The method of providing a generalized life with the location of 2022 outgoes on IPSS enabled circuits work frequer the disclosure of diverse bootshan and diverse the generalization provided in this response to this data negasit howles the divertification of Christian Energy Informations (Formation Control (Formattion Contr	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 https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
214	MGRA	2	Request No. 2	8	2_Q8	Please provide a GIS file of 2022 ignitions occurring on circuits where EPSS was enabled. Regarding Activities that Exceed GO 166	Please see "WMP-Discovery2023_DR_MGRA_002-0008Atch01.kmz." CPUC General Order 166 Standard 1A, Internal Coordination, requires California electric utilities to provide as part of their emergency plans a description of internal coordination functions how	Joseph Mitchell	4/20/2023	4/25/2023	4/25/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_002.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	8.1.8.1.1	Procedures	Settings
215	OEIS	003	OEIS_003	1	OEIS_003_Q1	General Order (GO) 166 Standards for Operation Reliability and Safety During Emergencies	Is provide as part of heir emergency plane a description of internal coordination functions how they gather, process, and discerimate information within their service areas, a set priorities, allocate resources, and coordinate activities to restore service. GO 166 Standard 1D, Edernal and Gioverneed E. Condention. reservice: California electric. Itilities to address a not of their a. The table below provides our current plans beyond the objectives in Table 8-33 and Table 8-34 of our WMP.	Colin Lang	4/21/2023	4/26/2023	4/26/2023	safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/0EIS_003.zip https://www.pence.com/peg_plank/common/pdfs/ csfety/emergency-preparednesr/natural-	0	N/A	8.4.1.1	Emergency Preparedness	Objectives
216	OEIS	003	OEIS_003	2	OEIS_003_Q2	Regarding After Action Reports	a. The table below provides our current plans beyond the objectives in Table 6-33 and Table 8-34 of our WMP. - Cybernscurfty (VERC CP-008 compliance), EMER-3102M - Disaster Reduct (EMER-3112M - Disaster Reduct (EMER-3112) - Disaster Reduct (EME	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 https://www.pge.com/pge.global/common/pdfs/ safety/emergency-preparedness/natural-	0	N/A	8.4.1.1	Emergency Preparedness	Objectives
217	OEIS	003	OEIS_003	3	OEIS_003_Q3	a. Provide After Action Reports (or similar post-event reports) for each wildtire-related emergency in 2021 and 2022. b. Does PGR4: have internal After Action Reports (or similar post event reports) for both achual Regarding Support for Medical Baseline Customers	a We interpret "wildline-related emergency" as wildline events for which our Emergency Operations Center was activated. Please reference "WMP Discovery/0223_DR_0Els_033- DOMAM-brit(Dr.B) certific that Abde Actions Renot for the wildfine-obtained emergency that PGAE evaluates the scope of the wildline emergency and partners with Community Based Organizations (CEIOs) to activate services based on the wildfine obtained existing envices that the obtained on the score of the wildline obtained customer	Colin Lang	4/21/2023	4/25/2023	4/26/2023	satety/emergency-preparedness/natura/ disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natura/	4	N/A	8.4	Emergency Preparedness	N/A Customer Support in Wildfire and
218	OEIS	003	OEIS_003	4	OEIS_003_Q4	a. How does PG&E support Medical Baseline (MBL) customers during wildline emergencies? Regarding Emergency Operations Customer Surveys	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. DBAE's nantenesito with 211 concents customers identified as Access and Eincoltraal Mend. Pears are attachment: WHMP-Discovery22. DR: QBIS 003/4005Mctr01COVF and for the following survey questionnaires and executive summaries for surveys regarding outreach following survey questionnaires and executive summaries for surveys regarding outreach	Colin Lang	4/21/2023	4/26/2023	4/26/2023	disater/wildfires/wildfire-mitigation- plan/reference-docs/2023/0EIS 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	0	N/A	8.4.6	Emergency Preparedness	PSPS Emergencies
219	OEIS	003	OEIS_003	5	OEIS_003_Q5	 Provide an example of each customer survey sent in 2021 and 2022 regarding emergency operations and any reports analyzing those surveys' results. 	following survey questionnaires and executive summaries for surveys regarding outreach effectiveness and general customer awareness of PSPS: > 2021 PSPS Prost_Season Questionnaire and Executive Summaries; > 2021 PSPS Post_Season Questionnaire and Executive Summaries;	Colin Lang	4/21/2023	4/26/2023	4/26/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 003.zip	1	N/A	8.4.4	Emergency Preparedness	Public Emergency Communication Strategy

						Regarding PG&E's Areas of Concern											
220	OEIS	003	OEIS_003	6	OEIS_003_Q6	a. Provide a GIS layer of PG&E's Areas of Concern (AOC) with the following attributes for each AOC polycon:	Phase informate 'WMP-Decourty/2021, DE: C018, 0019-200844b011 km², m² (WMP- Doorwey/0021, DE: DDS: DDS: DDS: DDS: DDS: DDS: DDS:	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-	3	N/A	8.2	Vegetation Management and Inspections	N/A
221	OEIS	003	OEIS_003	7	OEIS_003_Q7	Name of the ACC. Regarding Focused Tree Inspections a. During the decision process to discontinue use of the Tree Assessment Tool (TAT) and adopt the ISA's Bact Time Risk Assessment Form (ISA form) did PCRE provider incomposition	elements or the ISA Form III 2022. b. At this time, the TRAQ form will not be digitized for the Focused Tree Inspection Program (FTI). It is the current han that FTI Inspections will be performed by 100% TRAO certified arborists and	Colin Lang	4/21/2023	4/27/2023	4/27/2023	plan/reference-docs/2023/OEIS 003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-wiltigation-	1	N/A	8.2	Vegetation Management and Inspections	N/A
222	OEIS	003	OEIS_003	8	OEIS_003_Q8	the BAX Basic Tree Risk Assessment Form (BA form), dd PG&E consider incorporating elements from the BX's form ito the TAT? <u>In the PG&E collections a distill encord of each S& form operated by inspectors, in OneI/M or</u> Regarding Confidential Stateholder Data Requests a. Provide PG&E's confidential responses and attachments to the following Data Requests:	the TRAQ form will be used as a guide. We will utilize the TRAD form for time risk assessments which considers local weather The confidential material is being provided jurus unit to the accompanying confidentiality declaration. Please see requested attachments:	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-	0	N/A	7	Wildlire Mitigation Strategy Development	NA
223	QEIS	003	OEIS 003	-	OEIS 003 Q9	i. WMP-Discovery2023_CalAdvocates_002-Q001 ii_WMP-Discover2023_CalAdvocates_0056,0007 Regarding PG&E's Asset Inspection Program	I: WMP-Discovery2023_DR_CalAdvocates_002-Q001.pdf WMP.Discovery2023_DR_CalAdvocates_002-Q001Ath/01CONE.pdf THE CONFIDENTIAL MATERNAL IS BEING FROVIDED PURSUANT TO THE ACCOMPANYING CONFIDENTIALITY DECLARATION.	Colin Lang	4/21/2023	4/26/2023	4/26/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/0EIS 003.ip https://www.ope.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-		NA	8.1.3	Asset Inspections	NA
223						a. Provide the inspection checklists used for both PG&E's patrols and detailed inspections. b. If PG&E tailors its inspections specifically is inspect wildline insk specific items, identify which items within the reherklist his analest is networkshift is achiefinger from charter GP MS Regarding PG&E's Asset Inventory a. Provide a list of all heids that PG&E's asset inventory captures (i.e. equipment, equipment type,	Datribution impaction Program a Phease see all-character VMIP-Biotoxivery2023_DR_OEB_003-0009Abch01xtsrf for the protection character and the contribution distribution instructions. Eastern contribution to Systemic of POEBE 2023-2023 VMIP-POEE care served associationers databases. Geographic Information System(GIS) is the primary system of record or electric associationers/y yeable Calcing Calcing and Calcing a					disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 003.zip https://www.pge.com/pge_global/common/pdfs/ safetv/emergency-preparedness/natural-		NA		Asset Management and	
	OEIS	003	OEIS_003	10	OEIS_003_Q10	r. Provide a percentage in which PG&E is mission data for each data field listed in part (a) within Regarding PG&E's Response to P-WMP_2023-PG&E-002-Q07	and attribute data. Asset Renistry data is generally stored in GIS databases that are a. i. For distribution, a critical attribute is any question that identifies a condition that could lead to	Colin Lang	4/21/2023	5/10/2023	5/10/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS_003.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	2		8.1.5	Inspection Enterprise System(s)	N/A ACI PG&E-2221 Asset Inspections Quality Assurance and
225	OEIS	003	OEIS_003	11	OEIS_003_Q11	a. PG&E states that a Critical Attribute is defined as "a condition that could lead to either an ignition point or wire down situation that could result in a potential fine ignition." Provide all supmorting documentation for providences To&E uses In determine whether somethics is a Critical Regarding PG&E's Response to P-WMP_2023-PG&E-002-Q09	either an ignition point or wire down situation that could result in a potential fire ignition. The determination of critical attribute was created based on discussions with multiple islaeholdiers: SMEME from Acess Effasterne. Standards, and Sustem Inscensions. The finalized list The confidential material is being provided pursuant to the accompanying confidentiality declaration.	Colin Lang	4/21/2023	4/26/2023	4/26/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 003.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	Appendix D	Improvement	Quality Control ACI PG&E-2208 Better Application of Specific Lessons Learned from
226	OEIS	003	OEIS_003	12	OEIS_003_Q12	a PGAE states that it is still performing targeted equipment repairs relating to EPSS. Is this a program separate from that described within Section 8.1.7 of its WHP/1 iso, provide the following 1. Description and noncendence is unlicity PGAE sures to decide when and when all will reform EPSS. Regarding PGAE's Response to P-WMP_2023 PGAE 5002-008	a. (i) (ii) (iii) EPSS targeted equipment repairs are incorporated into the Open Work Orders Tag program as described in Section 8.1.7 of the VMIP. EPSS targeted equipment repairs can be lefter an EC-ER or CE Notification. Notifications with a notential instibility immach on EPSS. The confidential attachments are being provided pursuant to the accompanying confidentially declaration.	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 https://www.pge.com/pge_global/common/pdfs/	1	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-32 – Updates on EPSS Reliability Study ACI PG&E-2208 Better Application
227	OEIS	003	OEIS_003	13	OEIS_003_Q13	a. Provide all Enhanced ignition analysis (EA) reports completed for instances in which the qualifier was an EXPS protected facility. A Provide all Enhanced ignition analysis (EA) reports completed for instances in which the qualifier was an EPSS protected facility. Regarding PG&E 5 Ammer Replacements a. Provide the market of fault tames PG&E has replaced by year since 2020.	In response to Question 8 of Energy Safety's Second Data Request, subpart (d), PG&E provided a fist of ignitions that were evaluated partially evaluated in the Enhanced Ignition Analysis (EIA) recorceran and label was ach indinic usert catilitient to the included in the encorant. The encorance is a. We interpret "replaced" to mean a proactive changing of an in-service fault tamer frue that had not failed or operated normally due to a fault. In JU/Sort In response to our 2020 causal and the failed onergenetic fault and the service of the our 2020 causal and the service fault on the service fault tamer to a fault. In JU/Sort In response to our 2020 causal and the service fault on the service fault tamer to a fault. In JU/Sort In response to our 2020 causal and the service fault on the service fault tamer to a fault of the service fault tamer to a fault on the service fault tamer tamer to a fault on the service fault tamer tamer tame tame tame tame tame tame tame tame	Colin Lang	4/21/2023	4/26/2023	4/26/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/0EIS 003.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	Appendix D	Areas for Continued Improvement	of Specific Lessons Learned from Utility-Caused Fires
228	OEIS	003	OEIS_003	14	OEIS_003_Q14	b. Provide PG&E's targets for fault target replacements in 2023 and 2024, as applicable.	evaluation of 4 apparent fault tamer failures, we published a bulletin that requires replacement of	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 https://www.pse.com/pse_slobal/common/odfs/	0	N/A	N/A	N/A	N/A
229	OEIS	003	OEIS_003	15	OEIS_003_Q15	a. What is PG&E's status for review and approval of V4? b. When does PG&E intend to use V4 output to influence its undergrounding plan? Include discussion on details of how this, may affect PG&E's undergrounding nam. Regarding PG&E's response to OSIS Data Request? Question 6 Attachment 1	We remind a substantial and a substantial of the standard state of the	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 https://www.ope.com/pag.elobal/common/pdfs/	0	N/A	6.2.1	Risk Methodology and Assessment	Risk and Risk Component Identification
230	OEIS	003	OEIS_003	16	OEIS_003_Q16	a. How did PG&E determine a mitigation effectiveness of 11.8% for down conductor detection	benefit to EPSS. 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	safety/emergency-preparedness/natural: disaster/wildfire-milipation- plan/reference-docs/2023/OEIS 003.zip https://www.pge.com/pge_global/common/pdfs/	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	Pegal unig unsellero tentes in o x-o PG&E discusses "red tagged" customers, "Impacted" communities, and "Impacted" customers (including cities, counties, and tribal governments) in Section 8.4.6; however, definitions of such terms are not normalised.	Implicance status. Ur the 14 giffunds, we destinate indu 20% care of preventioned based on subject Lead Tag. For status disasters, nucluing wellfers, in which the Covernor of POUTS destines a State of Emergency, the official definition comes from D. 19:07-015 (page 16) , when a disaster() bits excelled in the destruction or damag of a structure, such that diffy service is disrupted voluntarily or involutarily due to safety concerns or reconstruction activities to address to demonse. Then a concentent data dis- management of the structure of the time is the activities to demonstructure an accontend data data demonstration.	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	8.4.6	Emergency Preparedness	Customer Support in Wildfire and PSPS Emergencies
232	CalPA	Set WMP-17	CalPA_Set WMP- 17	1	CaIPA_Set WMP-17_Q1	Tomoral goals, control and power memory in decided a 3.6, however, demonstra a sour- decident CORFIGNENTIA>> Table 1 - Projects not pursued for Undergrounding in first 2100 miles <u>PCARE: WORM VIC nacks circuit contention nones (FZAR) haven for risk measured armss 17 risks</u>	yournerson, i Gar tespeouting inter that the cr2 mitages pretented in label are incorrect. As a result of the mitage errors in the Table, the Calculated Risk/Mike CONFIDENTIAL – Provided Pursuant to Confidentially Declaration ("WMP- Discovery2023_DR_Caldworates_0172_Confidentially Declaration.pdf") WMB/Discovery0172_DB_Caldworates_0172_Confidentially Declaration.pdf	Matthew Taul	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/Calddvocates_017.zip	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	CaIPA_Set WMP-17_Q2	In generative periods and a set account of Doct consistence when obcoming also in Or 2 when a single working of risk profile or large total risk in WDRM V3 should not be prioritized in PG&E's 2023 WMP project selection.	We are selecting locations in 2022 and 2023 based on the Wildler Feasibility (Effectiveness (WFE) analysis, which were paid VFDAV 3 risk data, to private location. As part of the WFE analysis, the operational efficiency, individual Circuit Protection Domes (CP2a) were chosen to the set of the set of the Branch Strategies (SP2a) and SP2a and S	Matthew Taul	4/21/2023	4/28/2023	4/28/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-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
234	CaIPA	Set WMP-17	CalPA_Set WMP- 17	3	CaIPA_Set WMP-17_Q3	<begin confidential="">> In Table 2 above, select CP2s that PG&E has decided to pursue Undergrounding in its first 2100 miles of UG projects6 are compared by: - Consultation tables core for the CP2 in WDBM VX</begin>	we also note that we do not use the term "cumulative risk." we use the term "composite risk" and	Matthew Taul	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/CalAdvocates_017.zip	o	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- 17	4	CalPA_Set WMP-17_Q4	In general, identify all the factors PG&E considers when deciding that a CPZ with small total risk profiles and small average risk profiles in WDRM V3 should be prioritized in PG&E's 2023 WMP project selection.	Interpret tals question as involving. Conflictment in a scores, any durine true tentered interest in a Web are oblighted by the score of the score	Matthew Taul	4/21/2023	4/28/2023	4/28/2023	https://www.gec.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disater/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 response	Conce hundred to entries with adacenet CP27, being are alrea (intentified for transmets) and entropy units in the a PSS = Public Startly Speciality CPGE PSS tarm emembers with externa (including the operations experience. Many had a previous career with CAL FIRE or other fire agreeules. b FSD = Field Scoping Desistap Meeting. Meeting to scope potential undergrounding project sites held 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/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_006.zip	o	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	EACOD Regarding the System Hardening Decision Tree provided as Attachment 3 to the response to TURN data request 5-1 and discussed in that response. Jose PG&: Intend to use this location Tree for future projects during the 2023-2025 period for selecting which system hardening mitigation to usefor a given location?	held in office as opposed to in the field. C.RAPO = Excerned: Analytic Schwarz Bonorem. Bonorem stand to DREE to analytesta analytic (2) No. The System Hardening Decision Tree was used to scope base system hardening projects in the workplan for 2023-2025 that were selected using the VIDBA, version 2, Much of this work was initiated for scoping prior to the 10K US program announcement in bia 2021. The System Hardening Decision Tree is not and with not be used for nextly scoped work.	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	o	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	The III many minitory is contributed in the provided and provide the contributed of the source of the test of the source of the	In Num. a) Circuit Segment Risk Ranking – The WDRM risk model is the first step in identifying the list of circuit segments where wildfire risk is the highest. This data is updated roughly on an armual basis. Circuit Selection Process – The inputs to the feasibility score, bunding methodology following the previous year's lessons learned, and new inputs are developed in parallel, but require multiple	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
239	TURN	006	TURN_006	4	TURN_006_Q4	a. Please define the following acronyms used in the Decision Tree: PIH, EASOP, OEC, DG, SG b. Decase DCSF interest the control of the Decision Tree in schedule schedule to 2022	operational ties (AKA "back-tee").	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-	0	N/A	8122	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
240	TURN	006	TURN_006	5	TURN_006_Q5	D. Does Hoste interno to due his Decisión meet no materia en couse program de 2023- 2025 nereido de reletiona which waterie materializar adheato in use for a nue hostenio. Regarding the response to TURN data request 54, please explain the following terms used in the last paragraph of that response. J. Tree-connects	LASUP - Economic Analysis software Program - Inogram use by Proats to evaluate project according, ALFC Destations Emergence Canter - Revisional nemetors cannot activated attinuar a) Gray Services - An older type of insulated service aental conductor that is more succeptible to water ingress and deterimation. b) Trees instead of poles.	Tom Long	4/21/2023	4/26/2023	4/26/2023	plan/reference-docs/2023/TURN_006.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	o	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	<u>a</u> . "Breakinawa", concentors: 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. Js PG&E unable to offer even a rough approximation of the percentage of existing poles in the	a. When the primary conductor is removed and only communication were remains, the top of the pole above the comms will be removed/cut off to leave only the height of the pole necessary to	Tom Long	4/21/2023	4/26/2023	4/26/2023	plan/reference-docs/2023/TURN_006.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
242	TURN	007	TURN_007	1	TURN_007_Q1	be topped: b. b. PRAEL makes to offer even a rough approximation of the percentage of existing poles in the afflected distribution creation, unique that the second strategies and the second strategies and and provide in Earl Entrant in response to TURN Data Response 27.4. a. Pease explain how, if at all efter or both of Simplified Widtline Reis Spend Ellicioncy (WKRS) and Widther Result) Efficiency (WFE) was classed and the WUP	provided.	Tom Long	4/21/2023	4/26/2023	4/26/2023	plan/reference-docs/2023/TURN_006.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
243	TURN	007	TURN_007	2	TURN_007_Q2	(Lewrese) and within F easiesting Enderby (WH-P) values (ascussed on p. see of the WMM Regarding Table 7-2 in the WMP: a. URN4 understands from Table 6-5 that the Overal Risk Score values in Table 7-2 are the sum of Table gritton Risk Score and the Table PSP Risk Score. Please explain how these input values to the Overal Risk Score column were calculated. Please include in the explaints for relevant	a the described in Ref. 22-94, Folds table the SHYSEL and VIFE to Definitely where we could index a The Overall Resk Score is calculated by the calculation of the VMR/IF Resk and PSPS Risk. Scores b the overall Risk Prove to Calculated by the calculation of the VMR/IF Resk and PSPS Risk. Scores b the overall Risk Prove Risk Model in the form OML=CMR/IF and Large Function (MAVF) units. This is shown in Section 7.2.2.2: (, ,) + (,)	Tom Long	4/21/2023	4/26/2023	4/26/2023	plan/reference-docs/2023/TURN_007.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_007.zip	1	N/A	7.1.3	Wildlire Mitigation Strategy Development	Risk-Informed Prioritization
244	TURN	007	TURN_007	3	TURN_007_Q3	methemotical exaction(s). Regarding the System Hardening Workplan provided as Attachment 1.b. the response to TURN data The International Content of the System Syste	The confidential attachment is being provided pursuant to a signed NDA with PG8E. Pease reflet o hatchment Walk Discovery2022 DFR (TURN 007-00034cbi1CONF.xlsx' which is the System Hardening workplan prepared for the 2023-2020 WMP (gian date January 3, 2023) Pease see columer AH-AK and AL-AO that includes the 2025 and 2026 forecasted	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-	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	a. Please provide a version of this Excel workbook that includes the same information for all of	miles_respectively a) Please see attachment WMP-Discovery2023_DR_TURN_007-0002Atch1.stb. Two additional columns N:O were added to this TopRisk. Table' tab and the rows were extended to capture applicable circuit segments. Please note, line items outside of the top 5% risk circuit	Tom Long	4/21/2023	4/26/2023	4/26/2023	plan/reference-docs/2023/TURN_007.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	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	CaIPA_Set WMP-18_Q1	Public for Lo Grazi degreen or al many of tools experime to reach 2000 HTML Public for the comparison of the Compariso	Another the following clarifications are provided to better inform an accurate interpretation. Most of HFRA overlaps with HFTD as HFRA refinements utilized HFTD as the base map for evaluating areas to add or remove based on identified risk, risk misidentification, or false-precision associated with HFTD boundaries.	Holly Wehrman	4/24/2023	4/27/2023	4/27/2023	plan/reference-docs/2023/TURN_007.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	0	N/A	8.2.2.6	Vegetation Management and Inspections	Discontinued Programs
247	CalPA	Set WMP-18	CalPA_Set WMP- 18	2		Please provide the following regarding the OneVM tool: a) Its purpose(s)	one. With increased integration between our databases and data, additional visibility of what work is being performed at what times could be achieved to reduce the risk of overlapping programs.	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	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
248	CaIPA	Set WMP-18	CalPA_Set WMP- 18	3	CalPA_Set WMP-18_Q3	b) How the tool works (i.e. what mechanisms or procedures it will use to achieve outputs). PG&E states in its response to Question S(a)(i) of CalAdvocates-PGE-2023WMP-15: "VM EPSS-enabled outage data was used to determine both a planned unit forecast and identify CPZs where PPSS VM Outgames took name."	reduce potential of direction to our curtomers, and enable better risk informed planning and	Holly Wehrman	4/24/2023	4/27/2023	4/27/2023	plan/reference-docs/2023/CalAdvocates 018.zip https://www.ope.com/ope_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-wildfire-mitigation-	0	N/A	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
249	CaIPA	Set WMP-18	CalPA_Set WMP- 18	4		Plass explain what "gamod unit forecast" refers to in the above instance. Plass tartee in its response to Question (70) of Calif-Auto-auto-PGE 2023/WH-15 that its forecasted y-year pace of work for its Thee Inventory Program "was provided for the first three pares of the program with iterest to range journal pace. 9 years is a starting point to plan the pace of eark completion however, the lessons kamed will inform the completion timing" a U-Bases and/out our scassooin for Lings into use years a "disting our plants".	impection has occurred. a) New years was detected as the starting point based on a resilistically achievable average pose of approximately 33,000 trees removed per year (33,000 x 4 = 207,000) with the pace and duration of the program. No er e-evaluated as meeded based on the leasons itamer off on the imital years of the program. No of August 29, 2022, when the Tree Removal inventory (TRI) morrows and behore formalised its an accurated based on advance 35,000 these avail creation at the morrows and behore formalised. If an accurated that anomication 55,000 these avail creation at the morrows are behore formalised. If an accurated that anomication 55,000 these avail creation at the morrow of the morr	Holy 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/wildfire-wildfire-mitigation-	0	N/A	8.2.2.2.4	Vegetation Management and Inspections	Tree Removal Inventory
			-			pace or work completion nowever, the tessons learned will inform the completion timing." a) Please explain your reasoning for using nine years as a "starting point"	Instan years or the program. As or August 29, 2022, when the Tree Removal Inventory (TRI) program was being formulated, it was estimated that approximately 350,000 trees would remain at					plan/reference-docs/2023/CalAdvocates_018.zip					

																-	
250	CalPA	Set WMP-18 CalF	PA_Set WMP- 18	5	CaIPA_Set WMP-18_Q5	In response to question 19(b)(iii) of Calkdvocates-PGE-2023WMP-15, PG&E states: The difference [in projected vegetation management costs] of \$24,861,000 between 2023 and 2024 is due to several factors, it's in two PG&E will achieve this reduction; (1) Transitioning from EVM to three new programs; (2) reducing the amount of Routine VM work conducted each year representation with the amount of indemonstration the conduct actor (1) activities in control	Miles to be	Holy 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- bian/reference-docs/2023/CalAdvocates_018.zip	0	N/A	8.2.5.2	Vegetation Management and Inspections	Quality Control
250	CalPA	Set WMP-18 CalF	PA_Set WMP- 18	5 SUPP	CaIPA_Set WMP-18_Q5 SUPP	commensurate with the amount of understructuration miles consoleted and (1) reduction unit costs. In response to question (19)(0)(i) of Caldwordsen-RFG-2023WIPU-16, PGR5 states: The difference (in projected vegetation management costs) of \$3.4.8.1.000 between 2023 and 2024 is due to seemi factors; this is two PGR6 will active this reduction(1) Transitioning from EVM to three new programs; (2) reducing the amount of Rouline VM work conducted each year	Considered a. 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 unit costs, and programmatic efficiencies are expected to contribute to the \$24M in savings that is shown in this table.	Holly Wehrman	4/24/2023	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_018.zip	0	N/A	8.2.5.2	Vegetation Management and Inspections	Quality Control
251	CalPA	Set WMP-18 CalF	PA_Set WMP- 18	6	CaIPA_Set WMP-18_Q6	commensurate with the amount of understruction miles controlled and (3) induction unit costs in response to possion 110(b)(iii) of CaliAlexocates-FC2223WMF-16, PGAE states: The difference (in projected vegetation management costs) of \$24,861,000 between 2023 and 2024 is due to several factors,, (3) inducing unit costs brough efficience source that case period through targeted programmatic adjustments that refine processes and improve resource efficience.	Art FORT FOR a) PORE antipolate reducing costs on EVM Transitional, Routine, Tree Mortality, and VC pole cleaning programs b) (MOMD), The Removalidation of the anti-type of the second seco	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/Calkdwocates 018.zip	0	N/A	8.2.5.2	Vegetation Management and Inspections	Quality Control
252	CalPA	Set WMP-18 CalF	PA_Set WMP- 18	7	CaIPA_Set WMP-18_Q7	initiative under Chapter 8.2 (Vegetation Management and Inspections). Each initiative should be a row in the table below.	Quarterly Data Report. In the table below, we provide additional high-level information into the figures reported in Table 11 based on information available at this time. Please onle that due to the patient of wonetation management work the costs listed are all the please onle that due to the patient of wonetation management work the costs listed are all the please onle that due to the patient of wonetation management work the costs listed are all the please onle that due to the patient of wonetation management work the costs listed are all the planetation of the planeta	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	Vegetation Management and Inspections	NA
253	TURN	008 T	[URN_008	1	TURN_008_Q1	2025, at the most granular level for which PG&E has computed them. For this question, "Undergrounding" refers to all programs that underground distribution lines for wild'ire mitigation purposes and/or fire rebuild purposes. Please provide the workpapers with the supporting inputs and calculations for these DRSE is in Excel format.	Our most recent calculation of REs for Undergrounding is shared in our 2023 GRC Supplemental Film from February 2022. The most gravant weel at which we calculated REs is at the tranche level. This is summarized in attachment "WMP Discovery2023. DR, TURN 008- 0001AcMO1" The RES results are summarized in the 'RES Result' tab with the RES across 2023.02018 shown in cells. 11121.127 Our most recent calculation of RES for Covered Conductor is shared in our 2023 GRC	Tom Long	4/24/2023	4/27/2023	4/27/2023	https://www.ope.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disater/wildfires/wildfire-miltigation- plan/reference-docs/2023/TURN_008.zip	2	N/A	7.2	Wildlire Mitigation Strategy Development	Risk Impact of Mitigation Initiatives
254	TURN	008 T	URN_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 al activities that PG&E includes in the calculation of RSEs for Covered Conductor. Please provide the workpapers with the supporting inputs and calculations for these RSEs in Excel format.	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 tranche level. This is summarized in attachment "WMP Discovery2023_DR_TURN_008- 0001Acb011". The RSE results are summarized in the RSE Results' tab with the RSE across 9703-0708 chemic calculated std.	Tom Long	4/24/2023	4/27/2023	4/27/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural: disaster/wildfires/wildfire-miligation- plan/reference-docs/2023/TURN_008.zip	0	N/A	7.2.2	Wildfire Mitigation Strategy Development	Risk Impact of Mitigation Initiatives
255	TURN	008 T	URN_008	3	TURN_008_Q3	Regarding the Undergrounding Decision Tree provided in response to Data Request 5-1, Abch 1, is there an error in the alternative responses to the question at the fair right: "Will a route or project scope change mitigate impediments" It appears table the "right" and "Will arroute a should be flipped. If there is an error, please provide a corrected Decision Tree. The first acaranach of the resource to UTIRM data receased 5-4 attace that historically. PGAE has	The decision tree is correct as originally submitted.	Tom Long	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/TURN_008.zip	0	N/A	8.1.2	Grid Design and System Hardening	ALL
256	TURN	008 T	TURN_008	4	TURN_008_Q4	observed more frequent ignitions and larger wildfires associated with the overhead primary distribution powerlines, compared to lower voltage secondary distribution lines, service second and the vertices to represent the second sec	(HFTDs) across PG&E's service territory in 2019–2022. See Worksheet a of attachment WMP- Discovery2023_DR_TURN_008-0004Ach01x5x. The detailed data by ignition can be found in worksheet entitled "Detail_CPUC HFTD 2015-2022." As shown in the table on Worksheet a we observed 33 of 480 (~7%) is unmerst-related intributions in HFTDs associated	Tom Long	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/TURN_008.zip	1	N/A	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
257	TURN	008 T	URN_008	5	TURN_008_Q5	Los Dessos annuella pla de portes transitiones de la construcción de l	a) In some cases, where secondary or service wires are infine with the primary being undergrounded, it too wile an undergrounded in the same therein. However, any secondary or service ines that are "lateral" to be undergrounded primary will not be placed underground. The ancients meaning undergrounded primary will not be placed underground. As we have not performed studies or have reports to support whether ifree will covered conductors sequences a reaction on 1999 Sachtalant.	Tom Long	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/TURN_008.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
258	TURN	008 T	TURN_008	6	TURN_008_Q6	addedi SCE: WMP (R0), p. 252, states that "SCE has determined that lines with covered conductor have a 80% risk in PSPS activations. When a circuit (of fully isolatable circuit segment) is all covered conductor, the de-energization therefolds is nonzeaded to 40% mph (statistication wind(gata). J. Brease models and what hat folds our zeroch is IPARE's nonsession that address whether lines.	conductors experienced a reduction in PSPS activations. b. We have not performed studies or have reports to support whether any de energization thresholds should be changed for circuits (or portions thereof) with covered conductor. We cannetik due not rate on a studion thresholds for an incrimit, will never and conductors for the measures. a) DCD technology is provisioned on protective relay equipment. Expected useful (fe based upon a) DCD technology is provisioned on protective relay equipment. Expected useful (fe based upon a) DCD technology is provisioned on protective relay equipment. Expected useful (fe based upon	Tom Long	4/24/2023	4/27/2023	4/27/2023	safety/www.pge.com/pge_gooa/common/pdis/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/TURN_008.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.2.1 & 9	Grid Design and System Hardening & PSPS	Covered Conductor and PSPS
259	CalPA	Set WMP-19 CalF	PA_Set WMP- 19	1	CaIPA_Set WMP-19_Q1	b) REFCL a) In 2023, what is the average per-circuit-mile cost that PG&E expects to incur for asset	similar technology obsolescence, as well as asset health and lifecycle, is projected to be 20-30 years. b) REFCL expected useful life of the core components is estimated to be 30 years. a) Conductor is inspected as part of our General Order (GO) 165 detailed ground inspections	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	safety/emergency-preparedness/natural- disaster/wildfire-miligation- plan/reference-docs/2023/CalAdvocates 019.zip https://www.oge.com/pge_global/common/pdfs/	0	N/A	8.1	Grid Design, Operations, and Maintenance	Down Conductor Detection Devices Rapid Earth Fault Current Limiter
260	CalPA	Set WMP-19 CalF	PA_Set WMP- 19	2		Inspection and maintenance for a covered conductor distribution line installed in the HFTD? b) In 2023, what is the average per-circulturitie cost that PGAE excepts to incur for asset inspection and maintenance for an underground distribution line installed in the HFTD? c1 to 2779 under to the average area circular effect and that DE2AE average to locar for asset a) State the total costs that PGAE incurred in 2022 for asset inspections and maintenance on	and patrolo program. It is also inspected during infrared inspection. These inspection processes currently do not differentliate between conversed conductor and bare conductor. The cost that we expect to incur for distribution overhead asset inspections in HFTDs is 10731, and a set to a set inspection of the set of the all in 2022, we set \$241 million for asset inspections and maintenance on distribution overhead	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	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A
261	CalPA	Set WMP-19 CalF	PA_Set WMP- 19	3	CaIPA_Set WMP-19_Q3	covered conductor distribution lines installed in the HFTD. 0) State the bill more of consolinities of covered conductor distribution lines that PO&E had in the HFTD as of January 1, 2022 1) State the bill covered conductor distribution lines that PO&E had in 3) State the bill covered the POAE increase to 2022 for seat imprecisions and maintenance on covered conductor distribution lines installed in the HFTD. 0) State the bill covered conductor distribution lines that PO&E had in 0) State the bill covered conductor distribution lines that PO&E had in 0) State the bill covered conductor distribution lines that PO&E had in 1) State the bill covered conductor distribution lines that PO&E had in 1) State the bill covered conductor distribution lines that PO&E had in 1) State the bill covered conductor distribution lines that PO&E had in 1) State the bill covered conductor distribution lines that PO&E had in 1) State the bill covered conductor distribution lines that PO&E had in 1) State the bill covered conductor distribution lines that PO&E had in 1) State the bill covered conductor distribution lines that PO&E had in 1) State the bill covered conductor distribution lines that PO&E had in 1) State the bill covered conductor distribution lines that PO&E had in 1) State the bill covered conductor distribution lines that PO&E had in 1) State the bill covered cove	Laborator in the other tark the digital in this is no indicated information and in split data for it to be a split data for its for a split data for a split data for its for a split data for a spli	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, Operations, and Maintenance	Grid Design and System Hardening
261	CalPA	Set WMP-19	PA_Set WMP- 19	3SUPP	CaIPA_Set WMP- 19_Q3SUPP	a) State the stata note that PG&E incurred in 2022 for asset inspections and maintenance on a) In 2023, what is the average per-circuit-mile cost that PG&E expects to incur for vegetation	amoute in Gis to isolarguian coverted and bare conductors, we wave age to usize the conductor bype codes to differentiate between overred and bare conductors. a) In 2022, we spent \$241 million for asset inspections and maintenance on distribution, ourselfactions, installed in the HETTD, We not on differentiate costs a) Based on 2019-2022 data, our cost for vegetation management maintenance systemwide was approximately \$80.00 per millio. We expect to incur similar costs in 2023. Costs for vegetation	Holy Wehrman	4/25/2023	5/10/2023	5/10/2023	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, Operations, and Maintenance	Grid Design and System Hardening
262	CalPA	Set WMP-19	PA_Set WMP- 19	4	CaIPA_Set WMP-19_Q4	management for an overhead distribution line installed in the HF10? b) in 2023, what is the average per-circuit-mile cost that PG&E expects to incur for vegetation management for an underground distribution line installed in the HF10? a) State the total costs that PG&E incurred in 2022 for vegetation management on overhead	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 underconcurred idistribution like installed in HFTD a) We do not separately track costs incurred in HFTD vs. Non-HFTD for vegetation management	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/Calkdvocates 019.zip http://www.pge.com/pge_global/common/pdfs/	0	N/A	8.2	Vegetation Management and Inspections	N/A
263	CalPA	det www-ro	PA_Set WMP- 19	5	CaIPA_Set WMP-19_Q5	distribution lines in the HFTD. 30 State the fault costs and PGAE incurred in 2022 for vegetation management on underground 31 Please describes her vegetation namagement achietes the PGAE currently undertakes on rights-of avail with interground lines in the HFTD. 39 Please describes any changes PGAE plans to make during the 2023-2023 WMP period regarding the vegetation management achietes that PGAE plans to undertake on right-of-way 19 please to the term of term of the term of term of the term of te	on overhead distribution lines. b) We do not expansibly track costs incurred in HFTD vs. Non-HFTD for vegetation management on underground distribution lines. a) Where there are no overhead electric facilities, we do not conduct routine vegetation management activities. As part of GO 165, the PG&E System Inspection program can identify	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/Calkdvocates 019.zip http://www.pge.com/pge_global/common/pdfs/	0	N/A	8.2	Vegetation Management and Inspections	N/A
264	CalPA	Cut train - 15	PA_Set WMP- 19	6	CaIPA_Set WMP-19_Q6	Damag 454,455 of DCRE's WHD describe DCRE's rise to reduce its backlos of open distribution	vegetation work as part of clearing and maintenance for padmount transformers and other typical undergrounding equipment. b) Not anokatable 3) This clone and anota to targe in MEPANETO scatter because frace scatter coefficient 90% 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.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	0	N/A	8.2	Vegetation Management and Inspections	N/A Open Work Orders – Distribution
265	CalPA	Set WMP-19	PA Set WMP-	7	CaIPA_Set WMP-19_Q7	The end of 2029, and the non-ignation risk backleg by the end of 2020. and block the plan devolution law plan plan (PGEE) entities resinve thermitry, or only those tags in Page 54.5 of PGEE NWIP states. "We divide manifering notifications into two groups; (1) (plintion risk notifications in the HTDIHFPA and (2) non-planon into indications in the HTDIHFPA and (2) and the result of the state of the transformation in the result of the state of the result of the state of the result of the state of the result of	The widthm risk in trans service turning, by Wear will be process of creating a plantimetic for eliminating our backlog of tags outside of our HPRAHFTD areas. Given that the HPRAHFTD areas comprise 99% of the width mick in our territion, was an enrichten this twink, in order to indice our widthm risk as indice and a) "lighting Risk" notifications are maintenance tags that have been determined to have some form of splint in risk as a result of the mo-conformance determined to have some form of splint in risk as a result of the mo-conformance determined to have some form of splint in risk as a result of the mo-conformance determined to have some form of splint in risk as a result of the mo-conformance determined to have some form of splint in risk as a result of the mo-conformance determined to have some form of splint in risk as a result of the mo-conformance determined to have some form of splint in risk as a result of the mo-conformance determined to have some form of splint in risk as a result of the mo-conformance determined to have some form of splint in risk as a result of the mo-conformance determined to have some form of splint in risk as a result of the mo-conformance determined to have some form of splint in risk as a result of the mo-conformance determined to have some form of splint in risk as a result of the mo-conformance determined to have some form of splint risk as a result of the mo-conformance determined to have some form of splint risk as a result of the mo-conformance determined to have some form of splint risk as a result of the mo-conformance determined to have some form of splint risk as a result of the mo-conformance determined to have some form of splint risk as a result of the mo-conformance determined to have some form of splint risk as a result of the mo-conformance determined to have some form of splint risk as a result of the mo-conformance determined to have some form of splint risk as a result of the mo-conformance determined to have some form of splint r	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip https://www.pge.com/pge_global/common/pdfs/ safetv/emergency-preparedness/natural:	0	N/A	8.1.7.2	Open Work Orders	Open Work Orders – Distribution
266	CalPA	Set WMP-19 Call	19 PA Set WMP-	8	CaIPA_Set WMP-19_Q8	a) How does PO&E determine whether a maintenance issue is an "gration risk notification" or a non-signition risk notification", and the instruction of the instruc	structural support deficiency). We used a combination of wildfire risk models to calculate the wildfire risk for each notification. Each notification contains one nor milline EDA (#Calitor.Inamone.Action) code(s) for documention. a) We assess the need to position weather stations in canyors, but not specifically in response to this report. The external report did not provide specific guidance on canyons and other boalized and the report. The external report did not provide specific guidance on canyons and other boalized and the report. The external report did not provide specific guidance on canyons and other boalized and the report. The external report did not provide specific guidance on canyons and other boalized and the report. The external report did not provide specific guidance on canyons and other boalized and the report. The external report did not provide specific guidance on canyons and other boalized and the report. The external report did not provide specific guidance on canyons and other boalized and the report. The report of	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_019.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	0	N/A	8.1.7.2 Appendix D	Open Work Orders	Tags ACI PG&E-22-10 – Justification of
267	CaPA		19 PA_Set WMP-	10	CalPA_Set WMP-19_U9 CalPA_Set WMP- 19_Q10	anon-servinismo. Can rapicly special wateret. a) In response to the report, has PGala association of the need to position additional washer stations a) In response to the report, has PGala association can induce coastal additional Table PGAEs2211-3 on page 900 of PGAE's WMP lists the component coasts of covered conductor instatiation. Below the table, PGAE states, "The coast in Table PGAEs2-21-13 include the components for CC that are comparable with the other IOUs as part of the Joint IOU end they of on chinada lost cost compresents that mate u.o. or comprehense Vorthead System	used of the program and install wandfor stations where a separation. Since the state is the state of the stat	Holy Wehrman	4/25/2023	4/28/2023	4/28/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	0	N/A	Appendix D	Improvement Areas for Continued	ACI PG&E-22-11 - Covered
269	CalPA		19 PA_Set WMP-	11		They do not include all cost components that make up our comprehensive Overhead System Hardering Dimonam- Pages 988-989 of PG&E's WMP describe PG&E's simplified wildline risk spend efficiency (SWRSE), used to prioritize its undergrounding projects. Page 1006 sattes: "For the Undercounding Poroarts, we selected the roughly 8.000 CH miles.		, Holy Wehrman	4/25/2023	4/28/2023	4/28/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	0	N/A	Appendix D	Areas for Continued	Conductor Effectiveness Lessons Learned ACI PG&E-22-34 – Revise Process of Prioritizing Wildlire
270	CalPA	Set WMP-19 CalF	19 PA_Set WMP-	12	CaIPA_Set WMP- 19_Q12	(bwrise), useo is prioritize is undergraining progens. Page 1006 states, "Con He Undergraining Program, we selected the roughly 8,000 CH miles with the highest SWRSE is produce roughly (0,000 miles of undergraining). Automotive 10, e002 and the progenities of the program of the selected the Autometri 10, e002 and the progenities of the program of the selected the on November 18, 2019, an intravie inspection indicated that a pole had 18% remaining strength, on Jamury 4, 30, 200, he inspection issues and priority Eagl or registor the program of the selected the selected the selected the selected and priority Eagl or registor the program of the selected the selected the selected the selected and priority Eagl or registor the Program of the selected the selected the selected the	higher inits spend efficiency to mitigate widtle work as compared to other locations and is used to select mities for undergrounding. Regression of the anount of risk metanotator and undersounding. The anexal accountientation of the anount of risk metanotate metanotation and a The obleg was due to this poble being instruktively impected using und legacy impection system, which did not netwase inspection records until the inspection project was closed, enabling the downstream corrective action notifications to be created in the begacy impection system.	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation-	0	N/A	8.1.3.2.3	Asset Inspections	Mitigations
271	CalPA	Set WMP-19 CalF	PA_Set WMP- 19	13	CaIPA_Set WMP- 19_Q13	2021. The set of large shorts on the restend information and normality of the rest pitter large of 1 MP KKEE Topological School Moot School Moot School Report by Fallers on 1 MP KKEE Topological School Moot School Moot School Report by Fallers on Cottober 4, 2022, page 9 states: During the procite the Skife reviewed state provided by PGKE Insteads to PGKE's Underground Transmission asset ages and the sensage age of certain PGKE Underground Transmission asset ages and the sensage age of certain PGKE Underground Transmission asset ages and the sensage age of certain PGKE Underground Transmission Asset ages and the sensage age of certain PGKE Underground Transmission Asset ages and the sensage age of certain PGKE Underground Transmission Asset ages and the sensage age of certain PGKE Underground Transmission asset ages and the sensage age of certain PGKE Underground Transmission asset ages and the sensage age of certain PGKE Underground Transmission asset ages and the sensage age of certain PGKE Underground Transmission asset ages and the sensage age of certain PGKE Underground Transmission asset ages and the sensage age of certain PGKE Underground Transmission asset ages and the sensage age of certain PGKE Underground Transmission asset ages and the sensage age of certain PGKE Underground Transmission asset ages and the sensage age of certain PGKE Underground Transmission asset ages and the sensage age of certain PGKE Underground Transmission asset ages and the sensage age of certain PGKE Underground Transmission asset ages ages ages ages ages ages ages ages	Impaction projects were created with a first volume of poles (generally between 200 and 400 ones) and the creative and objects of this endin non-loop software). In the home The confidential attachment is being provided pursuant is the accompanying confidentially description of the software of the provided that and provided pursuant is the accompanying confidentially description and provided pursuant is the accompanying confidentially description and the software of the software of the software of the software of the provided that and the software of the software	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	oisster/wildnres/wildnre-mitigation- plan/reference-docs/2023/CalAdvocates 019.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disster/wildfires/wildfire-mitigation-	1	N/A	8.1.2.5	Grid Design and System Hardening	Traditional Overhead Hardening Transmission Conductor and Distribution
272	CalPA	Set WMP-19 CalF	PA_Set WMP- 19	14		Development at PG&E. During this meeting, PG&E stated that REFCL is not a scalable product. a) Does the above statement accurately reflect PG&E's current assessment of REFCL? Please available product and accurately reflect PG&E's current assessment of REFCL?	a) We are still evaluating REFCL technology in the EPIC3.15 demonstration project including field 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 creates this experience in the state of the state o	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	plan/reference-docs/2023/CalAdvocates 019.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 Design, Operations, and Maintenance	Distribution 8.1.8.1.3.1 Rapid Earth Fault Current Limiter
273	CalPA	Set WMP-19 CalF	PA_Set WMP- 19	15	CaIPA_Set WMP- 19_Q15	installed on distribution circuits in the HFTD?	b) Mot availability a) PG&E is actively analyzing the effectiveness of Covered Conductor (CC), in combination with EPSS and DCD/PV. In addition, we are actively analyzing the effectiveness of Bare Conductor (BC), in combination with EPSS and DVD/PV.	Holy Wehrman	4/25/2023	4/28/2023	4/28/2023	plan/reference-docs/2023/CalAdvocates 019.zip https://www.pedocs/2023/CalAdvocates 019.zip safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation:	0	N/A	8.1.2	Grid Design and System Hardening	Various
274	CalPA	Set WMP-19 CalF	PA_Set WMP- 19	16	CaIPA_Set WMP- 19_Q16	(c) If the answer to part (a) in its penaled explaint wy not. (c) If the answer to part (a) is no, check SQRE after the needform such a stark/O if so, zerovide the Table 7 on page 20 of the Jaint (OU Covered Conductor Viroking Group Report hits SCRE) adminut of the continued effectiveness of its covered conductor yroginan, such set respections, and several vegetation management programs of its covered conductor yroginan, such set respectiveness al. Hars PGRE performed a striker assimate of the combined effectiveness of covered conductor,	effectiveness of CC: and BC.) We have not performed a similar analysis of covered conductor (CC) with the same methodology as used in Table 7. b) Not applicable. () We did not conduct a similar estimate of the combined effectiveness of covered conductor.	Holly Wehrman	4/25/2023	4/28/2023	4/28/2023	plan/reference-docs/2023/CalAdvocates 019.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_000.pla	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-11 – Covered Conductor Effectiveness Lessons Learned
275	CalPA	Set WMP-20 CalF	PA_Set WMP- 20	1	CaIPA_Set WMP-20_Q1	a) Describe PG&E's standard process for retiring an asset from service. b) Describe how PG&E records the retirement of an asset from service.	additional and a second	Holly Wehrman	4/26/2023	5/3/2023	5/3/2023	plan/reference-docs/2023/CalAdvocates 019.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disater/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 020.zip	1	N/A	8.1.5	Asset Management and Inspection Enterprise System(s)	N/A
276	CalPA	Set WMP-20 Call	PA_Set WMP- 20	2	CaIPA_Set WMP-20_Q2	b) Please describe how PG&E recorded the retirement of assets during 2022 system hardening	section a) Not applicable. The assets replaced as part of WMP system hardening activities (electric distribution overhead assets) follow group depreciation and retirement accounting. As such, there is no undepreciated value for the assets that were retired. Please refer to our response to Question 005, Stubpart (a) for additional	Holly Wehrman	4/26/2023	5/3/2023	5/3/2023	pian/reference-docs/2023/Caludvocates 2020;p https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/Caludvocates 2020;zip	0	N/A	8.1.2	Grid Design and System Hardening	AI
277	CalPA	Set WMP-20 CalF	PA_Set WMP- 20	3	CaIPA_Set WMP-20_Q3	activities a) in 2023, as part of its WMP system hardening activities, does PG&E intend to retire from service (Lo, replace, remove, destroy, or decommission) any assets that are not fully depreciated at the time of retirement? b) Please describe how PG&E will record the retirement of assets during 2023 system hardening activities.	Information on non-deterministion and reliferent accordino a) Not applicable. The assets to be relined as part of VMP system hardening activities in 2023 folker group depreciation and reliferent accounting. As such, there is no undepreciated value of the assets that will be relifered. Please refer to our response to Question 005. Subpart (a) for additional information. No serverscores to Duestion 005. Subpart (a) for additional information.	Holly Wehrman	4/26/2023	5/3/2023	5/3/2023	https://www.ppe.com/ppe_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-miligation- plan/reference-docs/2023/CalAdvocates 020.zip	0	N/A	8.1.2	Grid Design and System Hardening	AI

																1	
278	CalPA	Set WMP-20	CalPA_Set WMP- 20	4	CaIPA_Set WMP-20_Q4	What is PG&E's standard practice for tracking assets that are retired from service before they are fully depreciated?	Please see the response to Question 001, Subpart (b) for information regarding the 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, ERC, and the National Association of Regulatory Utility Commissioners AVADI (C) units PD EF (Entermine)	Holy 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: plap/reference-dncs/20/24/caldvacates. 020 pin	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	CaIPA_Set WMP-20_Q5	I) If PGEE (refers from service an asset) that has not been fully depreciated, does it remove the remaining undepreciated value of the asset (from its rate baar?) asset at the time the asset is refers from service?	all The premise of this question is incorrect. PG&E follows group depreciation and referement accounting, as established by the CPUC, FERG, and the National Association of Regulatory UHIS commissioners (NARUC). Group depreciation accounting refers to the well-established regulatory accounting method for large rouns of homosons, assets: The memics of roung internetiation accounting method for the second seco	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	CaIPA_Set WMP-20_Q6	a) As of the date of this data request, does PG&E rate base currently include any portion of the valued or any assets that are no longer is enviroi? (b) if the answer to part (a) is yes, please explain Myr. It has request PGAE's rate base does not increased and the second	a) No. Please see the response to Question 005, Subpart (a) for a detailed explanation. b) Not applicable, as described in subpart (a) of this response. c) PG&E follows group depreciation and referement accounting established by the CPLIC_EFEC_cont National Association of Resultation Utility Commissioners.	Holy 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	CaIPA_Set WMP-20_Q7	are not set up to enable this cross-reterenced data consolidation and we do not track the volume	the field. These as-builts are submitted for mapping in the system of record and the	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	Grid Design, Operations, and Maintenance	Distribution Pole and Replacements Traditional Overhead Hardening Transformers
282	TURN	009	TURN_009	1	TURN_009_Q1	of assets replaced that have not been fully recovered: 1. Regarding the 2422-2426 Undergrounding Workplan evaluation clinical and carectaria. 1. Regarding the 2422-2426 Undergrounding Workplan evaluation clinical and clinical and clinical (R1) and provided in Exect formal in response to TURN Data Request 2-4: a. 5-re each undergrounding project tables in this document, plasse provide the RES calculated in accordance with the CPU/C 3-SUAP Settlement (see pp. 242 et seq of PASE = WMP-R1) (not 1995) for WEST and PASE and PASE and the Inter information clinical and contact 1995) for WEST and PASE and PASE and the Inter information clinical and and an extent MEMORY of the PASE and PASE and the Inter information clinical and and and and and and the PASE of the PASE and PASE and the PASE of the PA	The address set is also around them the insertion continue of the series of a costant or all page 60 of the 2022 2025 WMP FORG twolps of a measurement described in the 2022 Revised WMP as the Simplified Wildline Risk Spend Elliciancy (SWRES) wildline f seability Eliciancy (WFE) biolomity where PORG could most efficiently reduce risk given the terrain feability at a particular location due to the preserve of indurrod. Using weather monotonic and/or consider 12KHz and ability the VORG to blave.	Tom Long	4/26/2023	5/1/2023	5/1/2023	https://www.ppe.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_009.zip	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. 3	MGRA_Data Request No. 3	1	MGRA_Data Request No. 3_Q1	Please provide for Asset Point data for Camera, Fuse, Support Structure, and Weather Station.		Joseph Mitchell	4/27/2023	5/2/2023	4/27/2023	https://www.ge.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
284	MGRA	Data Request No. 3	MGRA_Data Request No. 3	2	MGRA_Data Request No. 3_02	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	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural: diaster/wildfire-mitigation: plan/reference-docs/2023/MGRA_003.pdf	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
285	MGRA	Data Request No. 3	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 al 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	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
286	MGRA	Data Request No. 3	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 Urplanned 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	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MRA 003.pdf	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
287	MGRA	Data Request No. 3	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	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MRA_003.pdf	0	N/A	6.4	Risk Methodology and Assessment	Risk Analysis Results and Presentation
288	MGRA	Data Request No. 3	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. 3	MGRA_Data Request No. 3	7	MGRA_Data Request No. 3_Q7	Under Other Required Data, please provide Red Flag Warning Day polygon data z	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
290	CalPA	Set WMP-21	CalPA_Set WMP- 21	1	CaIPA_Set WMP-21_Q1	The Table 4-12 Vegatation Management Implementation Objectives POBEs Focused Tee Supportion (FT) Vegatation Interactional Learn to implement gladeline across all ADCs 4 PGB states in response to available 11 of a later result Cablecades POE-WMP 15 that the FT PGB regiment ADCs results of the ADCs 4 PGB states in response to available 11 of a later result Cablecades POE-WMP 15 that the FT PGB regiment ADCs 4 results and the ADCs 4 PGB states in response to available 11 of a later result Cablecades POE-WMP 15 that the FT PGB regiment ADCs 4 results and the ADCs 4 results and the ADCs 4 Results and the ADCs 4 results and the ADCs 4 results and the ADCs 4 Results and the ADCs 4 results and the ADCs 4 results and the ADCs 4 Results and the ADCs 4 results and the ADCs 4 results and the ADCs 4 Results and the ADCs 4 results and the ADCs 4 results and the ADCs 4 Results and the ADCs 4 results and the ADCs 4 results and the ADCs 4 Results and the ADCs 4 results and the ADCs 4 results and the ADCs 4 Results and the ADCs 4 results and the ADCs 4 Results and the ADCs 4 results and the ADCs 4 results and the ADCs 4 Results and the ADCs 4 results and the ADCs 4 Results and the ADCs 4 Result	I wanter start in a wanter of the in Decoration That Interplanent right and advances. You are a similar developing the procedures for this program. We interplane that use Q4 of 2023 to analyze the results of the plats to inform our 2024 FTI plan. Step in implementing the Focused There inspections Program Revision Date Conselstion Date. After providence the data to movide a censories to this request. PG&F realized that the rata.	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	8.2.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
291	CalPA	Set WMP-21	CalPA_Set WMP- 21	2	CaIPA_Set WMP-21_Q2	2021, and 2022: Distribution Inspection Findings in HFTD 2020. In personness to data request Collideration PCE-2023/MMR-16, question 10, PCBE stated "The	Their is the major is unable to provide a trapport of the topport. To use transmit and the Cate area provided in our prior submission was increared. This deliverapmic years the result of an Excel error that occurred when PG&E revised Table 2 with the additional impaction type details required for Q4 2022. Please see attachment y being Provided pursuant to the accompanying confidentially 10002Abb11 doct for undeted distribution increation field one in HETD from 2021 h. 2022.	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 https://www.pge.com/pge_global/common/pdfs/	1	N/A	QDR	N/A	N/A
292	CalPA	Set WMP-21	CalPA_Set WMP- 21	3	CaIPA_Set WMP-21_Q3	The protocol of the standard standard standard of the standard sta	declaration. Please note the curste is in reference to Califichuscates. DGE-2022WMR-10, question 15.	Holly Wehrman	4/27/2023	5/2/2023	5/2/2023	safety/www.pge.com/pge_global/common/pdfs/ disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/Calldvocates 021.zip https://www.pge.com/pge_global/common/pdfs/	3	N/A	QDR	N/A	N/A
293	CalPA	Set WMP-21	CalPA_Set WMP- 21	4	CaIPA_Set WMP-21_Q4	following conditors: • Wind guts 20.40+ mph • Relative humidity <30% • Dead Evel Molisture <8,41%. Please provide description of how the data was created, and from which version of WDRM.	For transmission inspections training, the top QC finding were shared with all training and new preventions as and a 700 A Rebordson and the Rebordson transmisst to a sampled variation of our of the provide and the Rebordson transmisst to a sampled variation of a sampled variation of the Rebordson transmisst to a sampled variation of the Rebordson transmisst to a sampled variation of the Rebordson transmisst the Rebo	Holy Wehrman	4/27/2023	5/2/2023	5/2/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 021.zip https://www.pge.com/pge_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. Geospatial Maps of Top Risk Areas
294	MGRA	Data Request No. 4	MGRA_Data Request No. 4	1	MGRA_Data Request No. 4_Q1	Please provide a description of how the kit also associated, and inclinit much resonant or Works, Please provide a description of how tisk kats 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.	requested a geospatial risk map with risk levels gresented in three layers as this 59%, 5% to 20%, and bottom 80% within the HFRA. PG&E provided a more detailed presentation of risk layers than requested. For this reason, the numeric risk value is not provided as it was not mountained.	Joseph Mitchell	4/28/2023	5/3/2023	5/3/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_004.zip https://www.pse.com/pse_slobal/common/ddf/	1	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Within the HFRA Proposed Updates to HFTD Geospatial Maps of Top Risk Areas
295	MGRA	Data Request No. 4	MGRA_Data Request No. 4	2	MGRA_Data Request No. 4_02	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 follow: High rink polygons are rarer than low risk polygons as the highest wildfire risk is concertained. This distribution of risk can be seen in Figure 6.2.2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	Joseph Mitchell	4/28/2023	5/3/2023	5/3/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation: plan/reference-docs/2023/MGRA_004.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Within the HFRA Proposed Updates to HFTD Geospatial Mars of Top Risk Areas
296	MGRA	Data Request No. 4	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:	Loom review PREE has confirmed that the original disturbance 2023.03. PT PGE_2022, WHAP PL Appendic Action Selection English inside/testing) dropped some mixt press. Retains ever "WHAP Discovery2022, DR WIGRA, Ox6-2000.NetO11 zip? for an updated DEB file. We will reach out to Energy Safety to provide this updated information pursuant to <u>Energy Safety's and the selection</u> of the provided example based on the information provided.	Joseph Mitchell	4/28/2023	5/9/2023	5/9/2023	safety/emergency-preparedness/natural: disaster/wildfires/wildfire-mitigation: plan/reference-docs/2023/MGRA_004.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Within the HFRA Proposed Updates to HFTD Geospatial Maps of Top Risk Areas
297	MGRA	Data Request No. 4	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.		Joseph Mitchell	4/28/2023	5/3/2023	5/3/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation: plan/reference-docs/2023/MGRA_004.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Within the HFRA Proposed Updates to HFTD Geospatial Maps of Top Risk Areas
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% binning. This will allow a rescaling of "low" and "high" risks to be more relative and show any gradients across the PG&E territory. b. Coverage extends to all circuits in the HFTD.	b. Specific to this request, the attached the provides risk pixels and associated requested values for all locations in the HETD and HERA.	Joseph Mitchell	4/28/2023	5/9/2023	5/9/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation: plan/reference-docs/2023/MGRA_004.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Within the HFRA Proposed Updates to HFTD Geospatial Maps of Top Risk Areas
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. If possible, provide two additional sets of GIS data in identical format to the original, one	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 wildfre 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	safety/emergency-preparedness/natural- disaster/wildfire-wiltigation- plan/reference-docs/2023/MGRA_004.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	Within the HFRA Proposed Updates to HFTD Geospatial Maps of Top Risk Areas
300	MGRA	Data Request No. 4	MGRA_Data Request No. 4	7	MGRA_Data Request No. 4_Q7	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 Wildlire Consequence data.	Joseph Mitchell	4/28/2023	5/9/2023	5/9/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_004.zip https://www.pse.com/pse_slobal/common/odfs/	0	N/A	Appendix C / 6.4.1.1, 6.4.1.2	Risk Methodology and Assessment	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.	We currently do not track the overhead miles removed and replaced through undergrounding. Our	Joseph Mitchell	4/28/2023	5/3/2023	5/3/2023	safety/emergency-preparedness/natural- disaster/wildfire-/wildfire-mitigation- plan/reference-docs/2023/MGRA_004.zip https://www.pge.com/pge_global/common/pdfs/	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 VMMP (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. PG&E's VMMP (R1) at page 4 states "Between 2023 and 2026, 87 percent of PG&E's	The cardionity to the same that obtained among the interpret among the interpret of the same sector in the same sector is same sector in the same sector in the same sector is same sector in the same sector in the same sector is same sector in the same sector in the same sector is same sector is same sector in the same sector is same sector is same sector is same sector in the same sector is same sector is same sector is same sector in the same sector is same sector is same sector is same sector is sa	Tom Long	4/28/2023	5/3/2023	5/3/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN 010.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.2.2	Grid Design, Operations, and Maintenance	Undergrounding
303	TURN	010	TURN_010	2	TURN_010_Q2	Faces on while (in) a page a same between 2002 and 2003, or process of reacts undergrounding users is planned for the top 20 percent of Nix-anade circuit segments, as identified by our risk models." a. Please provide workspacers and data in Excel that supports the 87 percent figure. In . Desse environ abath "too 37 benerated risk-benefici dramate and meteoroge the Following up on the response to TURK DR 74(c), in White TURK asked whether PG&E	with PG&E. a. Please see attachment "WMP-Discovery2023. DR, TURN. 010-0002Atch01CCNF.xtx" b. "Top 20% Risk-Ranked Circuit Segments" miles can come from either the WDRM V2 or V3 Risk Rank Models. As described in more detail in response to TURN Data Request 09, PG&E's Wildfire Feasibility	Tom Long	4/28/2023	5/3/2023	5/3/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_010.zip https://www.pee.com/pee_elobal/common/odfs/	1	Yes	8.1.2.2	Grid Design, Operations, and Maintenance	Undergrounding
304	TURN	010	TURN_010	3	TURN_010_Q3	a Dease problem when the cut Demonstration for the cut demonstration of	(WFE) scores incorporate the elements of RSE calculations with the feasibility element used to modify the spendiactor to account for operational and anexuchability factors. Please see attachment "WMP-Discovery/2023_DR_TURN_010-00034/cth01.xbx" for a lst of all circuit segments and their calculated WFE scores. Circuit segments without a WFE score are not in a HFID and do not have a score calculated.	Tom Long	4/28/2023	5/3/2023	5/3/2023	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	3. writemer or not Uses requires in-sale to present source circuit-segment rever incises in the 2022- billion of the 2020 segment of the 2020 s) Prease see "WIP-Discover/2023_DR_TURN_010-02004/Ato10 xiss". Please rote, the results and visual do not mutath isericalizity due to the number of data points and size and scaling of the chart. This does not impact the Pearson coefficient results. JA Historicalist. PG&E has risk scored our nimult seements hu "total risk" (the sum total	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.	Please see "WMP-Discovery2023_DR_TURN_010-Q005Atch01xtxx".	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	8.1.2.5	Grid Design and System Hardening	Traditional Overhead Hardening
307	TURN	010	TURN_010	6	TURN_010_Q6	PG&E's WMP (R1) at page 4 states "Recent data and analysis demonstrate that the Enhanced Vegetation Management (EVM) Program risk reduction is test than EPSS and additional Operational Migrations such as Partial Volkego Edection capabilities." Pease provide this recent data, including all supporting documents and quantitative analyses in Excel, that support this statement.	Pr-sate 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- plan/reference-dos/2023/TUBN_000-zin	4	N/A	8.2.3	Vegetation Management and Inspections	Vegetation and Fuels Management

308	TURN	010	TURN_010	7	TURN_010_Q7	PG&E WMP (R1) at page 251 states "The type of mitigation tradeoff and effectiveness analysis we conduct informed PG&E's decision to transition away from the Enhanced Vegetation Management (EVM) program." a Please provide al documentation and internal communications regarding the transition away as Please provide al 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 Al-Hands Call held on October 20, 2022, PG&E informed staff that due to the end of the Enhanced Vecetation Management (FVM) Program My ward's end PG&E bas 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-	3	Yes	8.2.3	Vegetation Management and Inspections	Vegetation and Fuels Management
309	TURN	011	TURN_011	1	TURN_011_Q1	In contract Ref 2014 representation of the interview of the contract requirement of the extension of the IP ORADE S WINP (R) at page 4 references in this ranking results between WDRM v2 and IP ORADE S WINP (R) at page 4 references in this ranking results between WDRM v2 and WDRM v3. Please provide all supporting data and analysis in Excel with working formulas. belases provide all results of WDRM v3 in Excel at the circuit segment, circuit protection zone, belases provide all results of WDRM v3 in Excel at the circuit segment, circuit protection zone, the second s	corcarais, modulare values, and unawaking. a) A explanation 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 22-09 on pages 883-242 of the 2023 PG&E WMP. The worksheet supporting this work is provided in attachment "WMP Discovery2023_DR_TURN_011-	Tom Long	5/1/2023	5/9/2023	5/9/2023	plan/reference-docs/2023/TURN_010.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation-	2	N/A	6.2	Risk Methodology and Assessment	Risk Analysis Framework
310	TURN	011	TURN_011	2	TURN_011_Q2	Z.Re PG&E's undergrounding workplan, '2023-04-06_PGE_2023_WMP_R1_Appendix D ACI PG&E.22-16_AtchD1." a.Please add a column that provides the unique circuit segment identifier requested in 1(b)(i) above.	andraheat apporting this work is provided in attachment "WMP Discovery2023_DR_TURN_011- DOITAbirth Link "Within the workshoet method." The confidential attachment is being provided parsuant to a signed NDA with PGGE. For subparts A.D, please see attachment "WMP-Discovery2023_DR_TURN_011- Q002Abirth/COMP-sec.	Tom Long	5/1/2023	5/9/2023	5/9/2023	http://www.pge.com/pge_global/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 Pleasen add a column to this screadsheet that ronkins the shall wildline risk of each circuit 3. Regarding DR response TURN-7, attachment, "WMP-Discovery2023_DR_TURN_007- 0001Acb101CONF.sbsc". a. Please add a column to this spreadsheet, for tab 'PG&E UG Workplan 2023-26, Conf," with the unique identifier for each circuit segment provided in 1(b)(i) and 2(a) above.	and column P for WOPM v3 circuit comment identifiers	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- plan/reference-docs/2023/TURN_011.zip	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	because networks the surroution data and calculations for 1th "PGAE UIG Workstan 2023. 4. Regarding Matchineme 2023-04-06 PGE 2023 UMP RC Section 6.4.2 Action1, an earlier version of which is referenced on page 1956, fin. 77 of the VMLP (R1): a. Please add a column to this spreadsheet and provide the unique circuit segment identifier requested in 1(b)) above and 2(a) and 3 above.	In-Base and attachment "WMEPIscopress/0221_DR_TURN_010-0004Atch01.vtw" Jensone and were Model Data". Outman B, a natachement WMEPIscopress/0221_DR_TURN_011-0004Atch01.vtm" VisP Bases see attachment "WMP-Discopress/0221_DR_TURN_010-0004Atch01.vtm" to Phase see attachment "WMP-Discopress/0221_DR_TURN_010-0004Atch01.vtm" to Phase see attachment "WMP-Discopress/0221_DR_TURN_010-0004Atch01.vtm" to Phase see attachment "WMP-Discopress/0221_DR_TURN_010-0004Atch01.vtm"	Tom Long	5/1/2023	5/8/2023	5/8/2023	https://www.ge.com/pge_global/common/gdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/TURN_011.zip	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	CaIPA_Set WMP-22_Q1	respective in 1(b)(i) above and 2(b) and 1 above. During the paid decision point of the GM Operation, Despite in this comparison that is the second	The Model Table the current the calculation of init induction per circuit. a) Yes, we calculate the number of High PE Rel Area (HYA) viscuits that were protocoled by EPS based entrolling and housing in 1222, which uses 05 Mig. of conduction, Note 5. Red For EPS based entrolling and housing in 1222, which uses 05 Mig. of conduct the Net of the Arming on minimum Fire Pathentia Conducts. Including these circuits would reace that aream out on the Pathentian Conducts. Including these circuits would reace that are an extended for antibiant of High Fire Risk Area (HYRA) circuits that were protocoled by 0 Yes, we calculated the number of High Fire Risk Area (HYRA) circuits that were been then a set of the set of the set of the Risk Area (HYRA) circuits that were been to be the protocol of the set of the set of the Risk Area (HYRA) circuits that were been to be the set of the set of the set of the Risk Area (HYRA) circuits that were been to be the protocol of the Risk Area (HYRA) circuits that were been to be the set of the Risk Area (HYRA) circuits that were been to be the the set of the Risk Area (HYRA) circuits that were been to be the set of the Risk Area (HYRA) circuits that were the set of the the set of the Risk Area (HYRA) circuits that were been to be the set of the Risk Area (HYRA) circuits that were the set of the set of the Risk Area (HYRA) circuits that were the set of the set of the set of the Risk Area (HYRA) circuits that were the Risk Area (HYRA) circuits that the Risk A	Holy Wehrman	5/2/2023	5/5/2023	5/5/2023	https://www.oge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 022.zip	0	N/A	8.1.8.1.1	Grid Design and System Hardening	Protective Equipment and Device Settings
314	CalPA	Set WMP-22	CalPA_Set WMP- 22	2	CaIPA_Set WMP-22_Q2	in rocky and steep terrain and in wetlands. In response, PG&E stated that it was evaluating tools and technicians to perform indermoniding in those areas.	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, Ade Flag Warning or minimum Fire Patential Conditions, Including those circuits would reduce that	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.sip	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		workshop held on April 27, 2023, a caller raised concerns about the feasibility of undergrounding in rocky and steep terrain and in wetlands. In response, PG&E stated that it was evaluating tools and to about the descent and an under the state and the state of th	excendence similaranti/ those circuits, c rections of virusts, are environmented a firm dura pre a) To the greatest enter possible. Polici avvisios construction in devariari or table privatchonal wetanta and we have generally found relatively few locations where it is unavoidable to underground in a vietundand area. Policie Wint for each to relace our dathibition circuits to a lasse sensitive environmental location. However, undergrounding across watter crossing – strames, nivers, edi. Is of unormand we to the lowar abuse of deviction databilities and the loware.	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	8.1.2.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
316	CalPA	Set WMP-22	CalPA_Set WMP- 22	4	CaIPA_Set WMP-22_Q4			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	CaIPA_Set WMP-22_Q5	In addition, our GIS system does not include an attribute to distinguish between covered and bare conductor. As a result, we are only able to provide the total overhead distribution line circuit-miles, not the breakdown between covered and bare conductor. al. & RCR4: unable to determine the number of circuit miles of covered conductor in its system?	of our original response. Although there is not a specific attribute in GIS to distinguish covered and bare conductors, we were able to utilize the conductor type codes to differentiate between covered and bare conductors. a) Bease netweence PEAE: revision to Calificulations.PGE-2023WIMP.19. Oversion	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	CaIPA_Set WMP-22_Q6	b) Does PG&E expect that the asset management and maintenance needs for covered overhead	types. At this time, PG&E does not have a set useful life expectancy for covered conductor due to	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 https://www.pge.com/pge_global/common/pdfs/	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	CaIPA_Set WMP-22_Q7	Table 8-7-2 on page 446 of PG&E's WMP uses the term "Critical pass rate." Please define this term.	originity origination of UV exposults and the postsoling of a CodeRate Correction from Name The state/where to his response is confidential as described in the confinential described and Richard Roceber, dated Mary S. 2023. Please see attachment "WMP- Descreential Conf. CalidAcoustics USC 2007/bb/10/CMP (2017) of the receptated information. Specification, or pages 1-2 of the document, we dentify three caliculations that comprise the Asia black black. Date: Date, and the Date Bar of the Art Treasmonts of the Date, and a state black black. Date: Date, and the Date Bar of the Art Treasmonts of the Date, and and a state black black. Date: Date Bar of the Art Treasmonts of the Date, and and a state black black. Date: Date, and	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 https://www.pge.com/pge_global/common/pdfs/	1	N/A	8.1.6.2	Grid Design and System Hardening	Quality Control
320	CalPA	Set WMP-22	CalPA_Set WMP- 22	8	CaIPA_Set WMP-22_Q8	In response to data nequest (2.4)-bocates PGE 2022/WIAP-05, exection 3, PCAE provided the mather of attribution inspections that that GC networks 0.41 d2.584 inspections that underwent desktop quality control, 4,978 (p. 4%) failed. Out of 4,096 inspections that underwent field quality control, (022 (174); foiled). The above, memory and a cases rate of 90.6% for desktop number control and 83.7% for failed mergins to a failed means (2.6) for desktop number control and 83.7% for failed mergins to faile means (2.6) for desktop PCE 2023/WIAP-05, exection 5, e764.8% provided a last for response to data means (2.6) for data PCE 2023/WIAP-05, exection 5, e764.8% provided a last for a failed means (2.6) for data provided a last for a failed means failed means failed means failed means for a failed means failed	A ratio for 2 have 11 the AUT Pointh does Dave David (* 11 the AUT Pointh does Dave D	Holly Wehrman	5/2/2023	5/5/2023	5/5/2023	safety/www.pge.com/pge_gooda/common/pdrs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_022.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.6.2	Grid Design and System Hardening	Quality Control
321	CalPA	Set WMP-22	CalPA_Set WMP- 22	9	CaIPA_Set WMP-22_Q9	of incidents in 2022 where the actions of a VM contractor posed a safety risk to workers or the public. Binane fill out the somewherheat "CalAdvancetors. PGE-2022WMP-23. Atch01.dev" with the somewher	number of trees worked by vendor, or poles worked by vendor depending on the program in question. Please see " WMP-Discovery2023, DR_ CalAdvocates, 0220-2009Atch01 stor' spreadtheet for the number of trees worked by vendor for Routine/CEMA, EVM, Pole Work, and Wildeline Robuid. The Statemen lossections noncerna does not work with VMI contractors. The COMPIDENT LML attachments are being provided pursuant to the accompanying	Holly Wehrman	5/2/2023	5/5/2023	5/5/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/Calddvocates 022.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	8.2	Vegetation Management and Inspections	various
322	CalPA	Set WMP-22	CalPA_Set WMP- 22	10	CaIPA_Set WMP- 22_Q10	ch miss avoined threads: MA constance in 2022 for anet VM recommission in response to bait request Califorducates PEGE 2023 WHz, question 1, PC&E provided to 2022 Causity Verification Distribution Audit report (WMP- Discovery/023) QE Califorducates (2022) Additional Califordia Califordia a) For each of the 15 xero balance A high insis findings: Identified on page 4 of the above the PCA and the PCA and the Additional Califordia Califordia Califordia Table PCABE-13 2 and page 340 of PCABE: WMPI Sist the mander of undergrounding mints to	a) The zero tolerance and high-risk findings were (page 4 of the report):	Holly Wehrman	5/2/2023	5/12/2023	5/12/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_022.zip https://www.pge.com/pge_global/common/pdfs/	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	CaIPA_Set WMP- 22_Q11	3) rod david offen 1 stepstepidende a nyorinat interagi interimiser on page a for the david table PGAE-10.3 son page 34 of PGAE-10 While table number of undergoarding mites to be performed in "Top 20 percent Res-Ranked Circuit Segment" in 2003, 2002, 4020, and 2003 Top 1000 and table table and table and table and table and table and table and table table and res. The 2003 not sank to a rog argument is based on its 2003, 2002, 4020, 2003, and 2003 Top 2004 and table and table al. Descent defen. Top 20 percent Biskk Brain Clinical Borneach for and have for monol table and tab	And end (10) listin-Biske, JCB Encounterliamenter involutions (Insteined Intelling National) (10) Workson, And Andrea (10) Workson,	Holly Wehrman	5/2/2023	5/5/2023	5/5/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 022.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
324	CaIPA	Set WMP-23	CalPA_Set WMP- 23	1	CaIPA_Set WMP-23_Q1	circuits below would not have been de-energized three or more times in any calendar year from 2019 to 2022. These circuits are noted below as "mitigated with PSPS Protocols"." Please explain in detail how circuits 105:2441106 (circuit name Brunsenkk. 1106) would have been mitigated by PSPS Phenocols. Regarding PGAE's October 26:29, 2019, Post-PSPS Event Report4,	See response to WMP-Discovery/2023_DR_CaM4vocates_012-00045xpc01.subpatts b, c, and d. Additionaly, see VMMP-Discovery/2023_DR_CaM4vocates_012-2020tesp014xbr01 tail list of cliculis 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	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 023.zip https://www.pee.com/gee_elobal/common/cdfs/	0	N/A	9.2	Public Safety Power Shutoff	Protocols on PSPS
325	CalPA	Set WMP-23	CalPA_Set WMP- 23	2	CaIPA_Set WMP-23_Q2	Please explain in detail how PG&E's 2021 PSPS Protocols, as mentioned in Question 1, would have mitigated customers served by each of the affected circuits during this PSPS de- exercit shire a warf.	See response to question 1 in this data request set for explanation on how the current PSPS Protocols would mitigate customers. PG&E does not collect demographic data, such as racial/ethnic breakdown or income distribution,	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 https://www.pge.com/pge_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_Q3	Any part (CAE): A AFN Bank, Appendix C "Program/Instalance Particulation by Oremus Tract", A - A) passe provide the demographic (copyrabil) radiativities brankform and radia datibilities), if mount, for each census tract that received benefits of the following programs: a) Self-demention incenter Program b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bathenc Process), and the self-demonstration of the following programs: b).Portable (Bat	TREE does not collect demographic data such as mainterhitri breakdown ar lexone detablishon. The mits scattermes. The oxy proxy the PLASE is aware of to participation in the California Alernate Rates for Energy (CARE) program, which qualifies customers based on income. PCAE provides the tables – one for each of the Self-Generation Incentive Program. Particle Balance Roysman: and Calexator and Bathwa Retwork Roysman. that crassites the sumber of coursers and the weather conditions preserve. We use evaluation metics like the AINECO.	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 https://www.pge.com/pge_global/common/pdfs/	3	N/A	8.5.3	Community Outreach and Engagement	Engagement with Access and Functional Needs Population Risk Thresholds (e.g., WS, FPI,
327	OEIS	004	OEIS_004	1	OEIS_004_Q1	In Pose's viver, it suites its in the interestint analyzes positive and registree changes in gind performance and reliability security and analyzes a timewalphild approach to weigh more recent years of learned performance more heavily in the final model output. ¹ (p. 769), a. What metrics are used to analyze the wascoverumed chances in ord performance and Recentring EPS in IPW Model	Occurrence and the weather conductors present. We take evaluation memors like the AURCU- values as publicated in our WMP to assess model sitel for model depkyrment. b. To date, system hardening is not an exploit feature, or input, of the IFW model. Any changes in the current model is the system bardenion weak/concern form the curates ourdenid is the system bardenion weak/concern form the rules ourcarrence to the weather a. The OPW-PW model does not differentiate between circuits that had or have EPSS enabled currently. The EPSS programs in not expected to create additional outages, outage activity over the	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.jp https://www.pge.com/pge_global/common/pdfs/	0	N/A	9.2.1	Public Safety Power Shutoff	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	PG&E docusses its lightion Probably Weather (IPV) Model on p. 769 of its WMP, a. Now does the VMW Model analyze and consider outsiges from EPSS (i.e. differentiating analysis completed)? h. How/doet its IRVM. Model across the EPSS-enabled circuits? Regarding Attar Action Reports for Emergency Preparedness Provide its most scent Attar Action Report from Emergency Teaping exercises for the following	Cultering, intel er So guilants into expection to cleare acational colarges, colarge acrowy over une 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 outges that do occur tend to impact more customers since the noticeflors occurrence funces have been service an EPSS. The confidential attachments are being provided pursuant to the accompanying confidentially declaration.	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	9.2.1	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. Table 8-39 Personnel Training EP&R Emercency Preservedness, Training Program. Regarding Customer Group in PSPS Objective PS-05 In PSPS objective DS-06 Force Test the Viel Viel Score on a provin of customers foot limited to In PSPS objective DS-06 Force Test the Viel Viel Score on a provin of customers foot limited to	a After Action Reports are not created for Personnel Training, including the items identified in Table 8-39. h. After Action Berorts are not created for External Costractor Training, including the item in a. In addition to access and function needs (AFN), medical baseline (MBL), and self identified whereable (SIV) oppalations, PS4E intends to focus on customers more frequently impacted by	Colin Lang	5/4/2023	5/9/2023	5/9/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/0EIS 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	AFN, MBL and self-identitied vulnerable populations." a. How does PG&E define this group of customers it is focusing on? b. What is the size of this aroun of customers, that PG&E is focusing on? Reparting Areas of Concern and Focused Tree Inspections (FT)	PSPS and/or EPSS. Additionally, since permanent batteries are more costly to implement than portable batteries, PG&E intends to additionally focus on lower-income customers (i.e. CARE and EERA and increates). I and other customers who musc lack the financial means to acquire hackin. The confidential attachment is being provided pursuant to the accompanying confidentiality declaration.	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/ safety/emergency-preparedness/natural-	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 PG&E address risk from green hazard trees (those not doviously dead, dying, or declining) in no-viewas of Concentry. b. PWMP 2023-PG&E-003, Question 7, PG&E indicated that ISA TRAQ form is not diplized and will be inset as a nice for ET. Indications for invariants in invorted into. One/M7. Provide. Regarding Erhanced Vegetation Management a. Populate the following EthNet.	 a. As outlined in PCAE's Vegetation Management Distribution Impaction Procedure, provided as "WMP-Discovery2023_DR_OEIS_004-Q005Auch01CONF.pd"; if a VMI identifies a hazard tree durino a1 ewel 5 inscendion. a Level 2 inscendion will be need/ormed to idetermine if thee work is Year Year 	Colin Lang	5/4/2023	5/9/2023	5/9/2023	satecy/emergency-prepareoness/natural- disaster/wildfire-s/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	1	N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
332	OEIS	004	OEIS_004	6 6REV	OEIS_004_Q6	Year ' HFID Miles Completed Internet Online Completed Internet Online Completed Regarding Enhanced Vegetation Management a, Populate the following table with information regarding EVM: a, Populate the following table with information regarding EVM: a	Completed hespected the spectral with the tamend our response to "WMP Discovery/023_DR, QEIS_044006.pdf," submitted to the Office of Disregy Infrastructure Safety on May 9, 2023. In our response, we miscalculated the number of "Trees Worked" and the "Average Trees Per Miles" in 2022. Phase see revised chart below with the updated numbers infragilatory and inclusions and an average to the set of the	Colin Lang Colin Lang	5/4/2023	5/9/2023	5/9/2023	satety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	1	N/A	8.2.2.6	Vegetation Management and Inspections	Discontinued Programs
332	OEIS	004	OEIS_004	5KEV	OEIS_004_Q6REV OEIS 004 Q7	Year HFTD Mices Completed Insocritod Strike Dotestal Tones Q7. Regarring Vegetation-Caused Outages a. Populate the following table of vegetation-caused outages by mode of failure in the HFTD between 2015 fam 2022, broken out by year. PG&E may add additional rows (emode of between 2015 fam 2022, broken out by year. PG&E may add additional rows (emode 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 Vaar PG&E does not capture the HFTD teri in outage reports therefore the data being provided cannot be filtered to only include outages in HFTD areas. Please see attachment YMMP- Biocomery/023. JPC -DES Dod. 2007/kohl Jakar / of the system wide segetation-caused	Colin Lang Colin Lang	5/4/2023	5/15/2023	5/15/2023	disaster/wildfires/wildfire-mitigation: plan/reference-docs/2023/0EIS 004.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-	1	N/A	8.2.2.2.6 Accendix D	Areas for Continued	Discontinued Programs ACI PG&E-22-28 – Progression of Effectiveness of Enhanced
333	OEIS	004	OEIS_004	8	OEIS 004_Q7	Detween 2015 and 2022, growen out by year. Hoate may add additional rows (i.e., mode or fature) if reading the read of the re	Discovery2023_DR_OEIS_004-0007Abch01xbar ² for the system wide vegetation-caused outage by mode of failure from 2015-2022 as recorded by PG&E PG&E interprets this question as identifying vegetation related damages and hazards after patroling and inspecting circuits impacted by PSPS_PG&E started implementing PSPS in 2018, therefore, din collect data pair of mon 2015-2018, White PG&E storated whether or not a PSPS	Colin Lang	5/4/2023	5/9/2023	5/9/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS_004.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural-		N/A	9.2.2	Improvement Public Safety Power Shutoff	Clearances Joint Study Method Used to Compare and Evaluate the Relative
335	OEIS	004	OEIS_004	9	OEIS_004_Q9	broken out by year. PG&E may add addinout rows (i.e., mode of haize) if needed. <u>MOPD CE EALINE SERVECTATION HAZARON MITCATED RY SPSR</u> Regarding Coordination with Other Utilities on PSPS Wind Thresholds In its response to ACI PG&E-22-31, PG&E states: 'In collaboration with the joint IOU team, PG&E has performed effectiveness studies to evaluate how overed conductors can reduce ignition risk	damage or hazard is vegetation-related, because the powerines are de-energized to prevent notential lonitions from wenetation contact. PSPS natrollers do not assess wenetation failure a. The Joint IOU Covered Conductor Working Group Report was provided in the original submission as part of attachment "Attachment 2023-00-27_PGE_2023_WMP	Colin Lang	5/4/2023	5/9/2023	5/9/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfires_mitigation	1	N/A	Appendix D	Areas for Continued	Consequences of PSPS and Wildfires ACI PG&E-22-31 – PSPS Wind Thrachold Chappe Evaluations
336	OEIS	004	OEIS_004	10	OEIS_004_Q10	compared to barn conductor. Is, then collowance underscore the Connect Conductor, Effectiveness, Statuk (Lable A.R.4.1. Line, Regarding Tene Fakhar and E-2013). POAE tables "hand on collaboration with the piert CU barn on of the biggest hanced carbon piers or each the posterial of the lables hand (Loss). a. Explain "one of the biggest hazards during PSPS event" in terms of rak (e.g., Melhood, conservement).		Colin Lang	5/4/2023	5/9/2023	5/9/2023	disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfires-militation-	0	N/A	Appendix D	Areas for Continued	Threshold Change Evaluations
			-			a. Explain "one of the biggest hazards during PSPS event" in terms of risk (e.g., likelihood, consecuence)	pose the highest risk for ignition. PC&E has incomposited tree strike potential and venetation tans into its PSPS quidance					disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 004.zip				mprovement	meanou change evaluations

337	OEIS	004	OEIS_004	11	OEIS_004_Q11	Regarding RSE (Risk Bay-down) information required by the WMP Guidelines The 2023/2023 WMP Guidelines make specific requests for RSE, optimization of risk reduction and cost, and prolimitation decisions. 7.1 The monoschere is for each other and the specific requests for RSE. Research the PROBAE framework for PRPS risk.	In PGAE more with Energy Safety to docume this data request on May 11, 2023. During that means pGAE controls that "PGE" are initial building and an extension of the means pGAE controls that "PGE" are backtained in the utilitation of the utilitation in the mediation is the mediation in the mediatin the mediation in the mediation in the mediation in the mediat	Colin Lang	5/4/2023	5/19/2023	5/19/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation: plan/reference-docs/2023/DEIS_004.zip	1	N/A	7.1.4	Wildlire Mitigation Strategy Development	Identifying and Evaluating Mitigation Initiatives
338	OEIS	004	OEIS_004	12	OEIS_004_Q12	Regarding the PGAE framework for PSPS inte The sections that their table to models PSPS, PSPS, PSPS, V and PSPS-R do not sufficiently describe the calculations that ultimately result in sPSPS Risk Score. The Guidelines for section 6.2 Risk Analysis Tramework regin existence detailed discussion of likelihood, consequence, exposure notential and usinerability. Cor Juhic Safety. Panework Studies, IPSPS, Bisk- Regarding PGAES Asset Tracking Database	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	While PG&E provided information in the 2023-25 WMP's Appendix F on its overall progress in Asset Inventory Data Gaps, it is not clear what PG&E's progress is on the high-risk electric distribution assets, such as primary conductors and poles, that are not in the Asset Registry and	The LinBE framework used to catristies likelihood of a PBSPS event is in responding to bits request, PBSE is unfamiliar with the term 'High Fire Risk Districts' and assumes this is a reference to 'High Fire Risk Areas' (HFRA). a A satude in response to Subpart (o) of 'WMP-Discover/2023. DR COEIS (003- Q010 pdf', PG&E is not presently able to quantify the number of assets missing	Colin Lang	5/4/2023	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/OEIS_004.zip	1	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-33 – Progress on Filling Asset Inventory Data Gaps
340	OEIS	004	OEIS_004	14	OEIS_004_Q14	Interestion and localized in the UMMP's ultitudes. In protein the PGAE's place and moments on the Regarding PGAE's Lie of Downed Conductor Detection (ICO) and Partial Voltage Detection (PVD) a Provide the downed place of the PGAE and	from the asset inventory. However, when mission assets are identified, the assets a. Data as of May 41, 2023 of 2022/2023 DCD Outgotted I. 17 outages have occurred with DCD settings enabled. II. The table below matches outage causes to the lightion Drivers used in Table 6 of the 2022 OL Quarterly. Data Septent.	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-	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	1. The number of actiness holess down the cause these do useful on device the fast fast fast fast fast fast fast fast	iii. DOCL as an additional introduction between tax not of CPSS. PCAS-will enable. CPSGE respectively objects to the request to be earised the request incomedy implies POGE does not use a "risk-informed prioritization" when selecting wildler migations. A described through the 2003 - 2002 WHM, and specifically in Section 71.4.2. we add componentments. Scherch 1 and williou takining them other lines. PCAE removes an add componentments. Scherch 1 and williou takining them other lines. PCAE removes an add componentments. Scherch 1 and williou takining them other lines. PCAE removes an add componentments. Scherch 1 and williou takining them other lines. PCAE removes an add componentments. Scherch 1 and williou taking them other lines. PCAE removes an add componentments. Scherch 1 and williou taking the models will be pre- ted by the pre	Colin Lang	5/4/2023	5/9/2023	5/9/2023	plan/reference-docs/2023/OEIS 004.zip https://www.pge.com/pge_global/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&F's mitigations are directly addression wildfire risk proposed 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/2023/0EIS_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 V2 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. Bravita the analysis on the accountion risk of the railes and scores account for feasibility.	Mono-GARNEV EXERCISE to Instructions rain CPU (FLIETE) Description Earls Institutions in Main- 1a CPGE interpretors cumulative risk access as total risk scores of each circuit segment based on the 2021 WDRN V and the 2022 WDRN V3. Pease note, for the 2022 WDRN and 2023 WDRN V4 and the 2022 WDRN V3. Pease note, for the 2022 WDRN and 2023 WDRN V4 and the 2022 WDRN V3. Pease note, for the 2022 WDRN and 2023 WDRN V4. The original results in scores are are provided at the CPZ-level, however, the entire CPZ may not be scoped in the workplan. En the 2021 WDRN V4. WMR-Discourse(2023 DR. CPES, 004.	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	A constraint of the second sec	a) Yes. b) Correct, the intent of calculating SWRSE and WFE was to support the selection process for targeted undergrounding projects only. c) We acree with a and bas stated above, with additional clarification about how WFE	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-ip	0	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 – Revise Process of Prioritizing Wildline Mitigations
345	TURN	012	TURN_012	2	TURN_012_Q2	credents. 2. Comparing the wildline mitigation work proposed in PG&Es WMP with the wildline mitigation work proposed in PG&Es are type 2023 (PMC (J. 21.06.02.1)) mitigation work proposed hetwen the WMP and GMC for the year proposed or volume of wildline mitigation work proposed hetwen the WMP and GMC for the year proposed and the state how the state of the state Provide spatial CPUC-reportable grants wild and. SPC sources data set is attached for 2014.	mov unsite in the dedokement of other mittedion acconates. The WEE score is used The table below last be willfer mitigation tograms proposed in the WMP and the GRC for the years 2023-2023 and describes differences between the two. The information provide below consists of summaries of onger discussions provided in The according of the state of the state of the state of the state of the state phase find the requested information attended as "VMM-Discovery2023 DR, SPD_004-	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-ip	0	N/A	7.2.1	Wildlire 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_Q1	2021. The current data is an aggregated data set based on the data found here, under Fire	Please find the requested information attached as "WMP-Discovery2023_DR_SPD_004- Q001Ach01 xixx Please Note: For column E (FPI), the Fire Potential Index (FPI) rating is only assigned to locations in a Excluder Area (EA), which are colenoes that horicals/bit ond alwarea) alima with Please find the requested information attached as "WMP-Discovery2023_DR_SPD_004- Index Area (EA), which are colleged and the end of the results and the end 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- 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_Q2	1."HFTD" - Classify each ignition as whether it was located in a "Zone 1," "Tier 2" or "Tier 3", or	Peace find the requested information attached as "WMP-Discovery2023_DR_SPD_004- Q001Auchd) 3ac, and a sequence of the sequence	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_Q3	Provide the total number of circuit mile-days for each Fire Potential Index rating per year starting in 2014.	This analysis was completed by first counting the number of days each Fire Index Area (FIA) was forecast at a certain rating per year. Those day counts were then multiplied by the number of CH line miles in each FIA to recruid the incruid miledays.	Henry Sweat	5/5/2023	5/19/2023	5/17/2023	https://www.ppe.com/ppe_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
349	CPUC - SPD (Safety Policy Division)	004	CPUC - SPD (Safety Policy Division)_004	4	CPUC - SPD (Safety Policy Division)_004_Q4	Provide the total number of days per year for each Fire Potential Index rating for each Fire Index Area starting in 2014.	Sharas on the balances '1014 and '1016 in a fet or a core of Bit anter balance Bit and Phase find the requested information before. If days each Fire Index Area (FA) was for the requested information before (FA) was for the request a certain rating per year. Please note that between 2014 and 2016 we did not not FA in large below R4, and Please for the requested information below. Please for the requested information below.	Henry Sweat	5/5/2023	5/19/2023	5/17/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparediness/natural- disaster/wildfires/wildfire-miligation- plan/reference-docs/2023/SPD_004.zip https://www.pge.com/pge_global/common/pdfs/	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_Q5		This analysis was completed by first counting the number of days each File Index Area (FA) was forecast at a certain raing way rear. Those day counts were then multiplied by the number of OH Ine miles in each FIA and the HFTD to provide the circuit miledays. This is a alight availation of availab. That includes all circuit miles in each FIA and and perform the second second and the circuit and the second sec	Henry Sweat	5/5/2023	5/19/2023	5/17/2023	safety/www.pgc.com/pge_polar/common/pdis/ disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_004.zip https://www.pgc.com/pge_global/common/pdfs/	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_Q6	Explain how the utility is normalizing for the effect of weather and fuel conditions when understanding its performance each year on ignitions relative to changing weather and fuel conditions year over year.		Henry Sweat	5/5/2023	5/19/2023	5/17/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_004.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.3.6	Situational Awareness and Forecasting	Fire Potential Index
352	CalPA	Set WMP-24	CalPA_Set WMP- 24	1	CaIPA_Set WMP-24_Q1	In reference to your response to Question 11 of DR CaliAdvocates-PGE-2023WMP-16, on the excel spreadsheet WMP-Discovery 2023_DR_016-Q011Abch7. a) On table (a) Provide (c), places teleforthy the incruite with OH to UG conversion projects that have no adjacent circuit less. In Onabed III-and (c) insteas lefable, the adjacent circuits that lie to the circuits with OH to UG.	To provide a more specific example, we are normalizing for wavafare in the EPSS applicationascient formation at the Moleting wava and the example solution of the Moleting provide that are adjacent to circuits in (d) and (d) inspectively. For example, Anderson 1101 is adjacent to a circuits in (d) and (d) inspectively. For example, indexion 1101 is adjacent to a circuit barg undergounded. The average backing is provided for Anderson 1011 in (d), but Anderson 1010 in not lated (in (a) prough (c) because Addenson. 1011 in contain undergounded to because Addenson. 1011 in (d) and Anderson 1010 in the set and and the set and the set of the	Holly Wehrman	5/9/2023	5/12/2023	5/11/2023	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. The fine-grained features (sharp contrasts in values between neighboring pixels) in PG&E's risk	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? Which of the following characteristics is known or suspected to contribute to the fine-grained	model outputs are a product of finely varying predictive covariates, including asset characteristics and environmental attributes. Please see PG&E's response to Question 4 of this Data Request	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	In react or an informing characteristics is shown to subjection to compare to include to the inter-granted localization of 0 (shown above, and to what degree: a. Vegetation b. Tree dentity and height r. Asset boath a to accordent of "localized outpool" effects: if a unbick were to collide with a utility role and	Se ana dipatotion on nonconces. Maddigen and the concerned patients is build allow the data expression of the second sec	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		A does houth. A encounter of "locatare dutage" effects, if a vehicle were to colide with a utility pole and cause an outage in the boundary of the image above, and if the POI were to be recalculated, would the area where the outage occurrent down an elverated POI TO would concernistly the incremental increase risk of vehicle collision outage be generally distributed over the entire indication. as a collicion of the indication.	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 events already contributing to the result. However, we can say that the additional data point would enhance the PCII in locations that share the same covariate characteristics as the accident	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 v2 discussion, in which aggregated yearly variables such as annual maximum or annual days over peak are used as explanatory variables? With reference to Question 10 of data request CaliAdvocates-PGE-2023WMP-16, please	Yes. In WDRM v3, day-of-went wind speed and fuel conditions are significant covariates in the probability of lighting 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.sip https://www.pge.com/pge_global/common/pdfs/	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	CaIPA_Set WMP-25_Q1	augment your response by including partial outages as well as circuit outages (see definitions above). Specifically: please provide an Excel sheet listing each circuit that had outages (including both circuit outages and partial outages) that occurred from 2020 si 2021 any HFI or zera. The sheet should list each outage as a new. Please remois the following additional information (in Reparting Mathin Survey reportings to See 13 or Question 88	Please see "WMP-Discovery2023_DR_CalAdvocates_025-Q001Atch01.stxx" for information responsive to items (k)-(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_goba/common/pdis/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2022/CalAdvocates 025.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	QDR	N/A	N/A
359	OEIS	005	OEIS_005	1	OEIS_005_Q1	It relates to widtire and PSPS2 It its discussion is contained in other documents, provide those	Accompanying Contractionary declaration Please references Section Six: After Action Reports' in the 2022 CERP Wildlire Annex (published April 1, 2022), included as attachment "WMP Discovery2022_DR_OEIS_005- 001414ch01COMF cell"	Colin Lang	5/11/2023	5/16/2023	5/16/2023	safety/www.spec.com/pge_goodar.common/pols/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS 005.ip https://www.ope.com/pge_global/common/pdfs/	3	N/A	Maturity Survey	Maturity Survey	Maturity Survey
360	OEIS	005	OEIS_005	2	OEIS_005_Q2	Regarding the Maturity Survey response to Section 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.	Puse: conclusts bannual pouis meetings win public savely partners, exceted orticals, and other interesting darsles, to solicit feedback related to the company re- response plan (CERP). Albough feedback has been solicited no formal evaluations have been received. Please inference. Section 1, of the CERP Jonator on PCAE's which at the following PGAE conducts annual reviews with Subject Matter Experts to evaluate the CERP and	Colin Lang	5/11/2023	5/16/2023	5/16/2023	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 Maturily Survey response to Sec 6.1.4 Question #7 Regarding the Maturily Survey response to Section 6.1.4 Question #7, PG&E answered 'yes' that Subject Matter Expert (SME) partners review and evaluate its plan every five years. Please provide a copy of the most recent SME evaluation(s). 1. Following up on URN DR 10-201 and PG&Es response:	Its associated functional and hazard specific smokes. The process for this sensal inverse is documented in VWIP-Discovery(2023, DP, CBS) 000-00004/bcHC CONF pdf Please note, here review sessions are considered working meetings and do not result in a formal number inverse of the same of the constraint of the number of clinitit asymmets analyzed in each VMDR Munch CF VWIRM 40, the model induced as clinicit segments.	Colin Lang	5/11/2023	5/16/2023	5/16/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/OEIS 005.tip https://www.pge.com/pge_global/common/pdfs/	1	N/A	Maturity Survey	Maturity Survey	Maturity Survey
362	TURN	013	TURN_013	1	TURN_013_Q1	a. Please explain how PG&E 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 updetonese, calculations, and data in Evcel that surroort your response	The day to precise or in a finited uscus segments a supervised of the finite of ordunal segments analysis of in each WDRM model. For WDRM via 0, the model includes all circuit segments across P64E's entire overhead distribution system, which is 11,172 circuit segments (see WMP- Discover)2023 _ PRUTRN_011-0001Actiol, tits: Str. (scorposite) cs_ summary). Tradetermine a comparable methodolonu as shown in WDRM v2 (described in part (h) below) a. Year	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 https://www.pge.com/page_global/common/pdfs/	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 number of trees removed in each year from 2019-2022 and the program under which the removals occurred. - The number of planned tee removals for 2023, 2024, and 2025, and the program under which the removals will occur.	Routine Second Patrol EVM 2019 There are approximately 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_ploaa/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/GPI_002.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.2.2.2.4	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).	3110. There are approximately 40,000 HFTD and HFRA miles in PG&E service tenthory. PG&E preforms inspection on all len miles within HFRA, and HFTD areas. While PGAE does not reach the preform inspection on all len miles within HFRA, and HFTD areas. While PGAE does not reach the preformation of the preformation of the preformation of the preformation of the PGAE does not accelerate the preformation and intermed to the preformation developed and the preformation within the common an immum T2 for of developed and the preformation within the common an immum T2 for of developed and the preformation of the preformation of the preformation of the preformation DE&E does not accelerate vegetation management vester to date for all VP programs. Vegetation	Zoe Harrold	5/11/2023	5/16/2023	5/16/2023	https://www.pge.com/pge_ploaa/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/GPI_002.zip https://www.pge.com/pge_plobal/common/pdfs/	0	N/A	82.3.3	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. it, truckload, etc.) on the total anount of vegetation management "wastif" or recisions produced each year from 2002 – 2022, and the annual amounts that are disposed of at recycling facilities, landfills, biomass facilities, or other facilities.	I data boar to water data is a valided for PD&BC contracted wood yards, which include wood debris from various programs, and the Wildfre Wood Management program. This data is not variable prior to 2021. The followins is the existion data on bonnane 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_pooa/common/pois/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/GPI_002.zip https://www.nee.com/nee_slobal/common/odfs/	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.pgr.com/pge_gooba/common/pdis/ safety/emergency-preparedness/natural- disater/wildfires/wildfire-mitigation- plan/reference-docs/2023/GPI_002.zip	0	N/A	8232	Vegetation Management and Inspections	Wood and Slash Management

1							The U.S. Forest Service (USFS), Bureau of Land Management (BLM), National Park Service					https://www.pge.com/pge_global/common/pdfs/					
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 Park Service (NPS), and California State Parks (CASP) have the authority to require specific wood and detris management (e.g., wood or log enrowing (Acching, chippen) pois a certain damater, piling) be incorporated into proposals for Vegetation Management work on their lands. Serveral public perceise. Incident ISES: Name, marked FCR4 with their service/and with them And CASP and and the CASP and the comercial on for available and with their service. The service ISES: Name, marked FCR4 with their service/and with their Answer and the CASP and the CASP and their service and with their service. The service of the CASP and the service and with their service. The service of the servic	Zoe Harrold	5/11/2023	5/16/2023	5/16/2023	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
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 urrelated to the DOutageID that it lates in its outage data provided as a result of DR1. Please provide the file sent in reporse to DR4-08 as soon as possible.	"WMP-Discovery2023_DR_MGRA_006-Q001Atch01.xtsx" contains a new column called "DOutageID" that will align with the same outage identifier (ID) from DR1.	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-miligation- 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-Discovery2022_DR_MGRA_006-Q001Alch01.xlsx" 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/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
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 DoutageID.	"WMP-Discovery2023_DR_MGRA_006-Q001Alch01.xlsx" includes both "basic_cause" and "DOutlageID" 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.sip	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	If there are refuzaits or delays to the above please provide the EPSS data in a kmz format similar 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.pgc.com/pge_global/common/pdts/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/MGRA_006.ap	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_Q1	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. 680), baite and looking forward: a What was the average cost per circuit initie for undergrounding in 2022, 2021, and 2020, in the <u>LETT non LETT and LETT and LETT</u> .		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_Q2	2. 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	CPUC - SPD (Safety Policy Division)_005_Q3	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_Q4	4.PG&E has stated that Califrans trench depth requirements exceeded PG&E trench depth requirements. How has this impacted costs and planning? For planning purposes, what percentage of anticipated underground circuit miles will be impacted by the Califrans 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		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_Q6	6. What is the estimated multiplier for conversion from overhead (OH) line to underground (UG) line (e.g., 125 Mile OH converts to 1.00 Mile UG)? a Alow was the conversion rate deviner/of? b How was it established as the accepted/openating average for project planning purposes? 7 On pilot protects completed to adde:		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_Q7	1. On puper puper of the second se		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	CPUC - SPD (Safety Policy Division)_005_Q8	8 Pease provide WMP-Discovery2023 DR_TURN_007-0001Abth01CONFxtex_used to address TURN Data Request 7, Question 1, discussing RSE calculation for system hardening. 9 On page 151 of the 2023-2025 WMP, PG&E states that the WDRM v3 ignition source is		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_09	"PG&E's Historical Ignitions Data, 2015-2021 (approximately 2,500 CPUC-reportable ignitions and approximately 1,900 non-reportable ignitions)."	COLE solar that the calculation of risk millionities of entirements in a second in	Kevin Miller	5/15/2023	6/12/2023					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_Q1	1 reven in weap powers out 07 SHU that there appeared to be a cascrepancy in the methodologies used to calculate the risk milligation effectiveness of the PSS. Undergrounding and Covered Conductor (CC), PG&E stated that CC is probably the most "mature" milligation effectiveness as the effectiveness as based on empirical data and cross utility collaboration, EPSS is the second more applicable data manufacture initiation effectiveness as the effectiveness as a data and cross utility collaboration, EPSS is the second more applicable. The second more antication effectiveness as a data and cross utility collaboration.	r-sac nose sau se uniculation of risk magiono retroctiveness can be computed 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 bird if IIs avarent inon a common methodolonic of using a combination of estimated	Kevin Miller	5/17/2023	5/22/2023	5/22/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_006.zip	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	CPUC - SPD (Safety Policy Division)_006_Q2	a Describe two PGAE is using the -1000 ros-CPUC-expectable grititions in the risk modeling. Biomode these L SIGN and DBEI concretation and save as an associated a format achiever that a second second conclusion. The risk mitigation effectiveness of EPSS, Undergrounding and Conversi Conclusion: Experiments and a second consex sufficient achieves and second the effectiveness based on experiand data and consex sufficient achieves and second achieves and an experiand data and consex sufficient achieves and second part to an episode second achieves and second second second second conclusion (FASE and second second second second second second second description) (FASE ack satisfies that there may need to be a messarging sublic bosoness the thin Vision that second second second second second second second second second description (FASE ack satisfies that there may need to be a messarging sublic sublic submit attract on the think of Vision that second	a. As discussed during a staff meeting with SPD on May 3, 2023, PG4E currently status in taiking points, the PG4E weeks, and in customer materials that Pfacing overhead powerlines underground reduces ignition risk by approximably 99% in that location; PG4E intended the physics in that location is a traincluste that the 69% risk etitication, anders to the circuit accented to a traincluste that the 69% risk etitication, anders to the part of the physical trains that the form the CONFIDENTIAL stathermisters are being provided paramet to the accompanying	Kevin Miller	5/17/2023	5/22/2023	5/22/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_066.zip	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	 What types of covered conductor (size of conductor, material of conductor, voltage rating of conductor – if PG&E can point to product data from a manufacturer, this would be preferred) does PG&E use and does PG&E choose different types of covered conductor types near coastal areas? 	Ine CUNFILLEN IIAL attachments are being provided parsains to the accompanying confidentially deciaration. Please refer to Table 18 – Primary Auminum ACSR and Copper XLPE. Tree Wire (page 10 of 12) in PGSE standard 059625, "Conductors for Overhead Lines" IMM& Discover2023. DE. SPD. 007.2001/dxth01CONE.off for the heres of coverent The CONFIDENTIAL attachments are being provided parsains to the accompanying	Henry Sweat	5/17/2023	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/SPD_007.zip	3	N/A	8.1.2.1	Grid Design and System Hardening	Covered Conductor Installation – Distribution
384	085	006	GEIS_006	1	0615_008_01	I. We there tags all open If in CL provide the respective completion date for when each by uses devices an opperfixed and the second and t	confidentially declaration. Thermore of Held Salety Measuscentrer ¹ . The tradit Salety Resourcement and ethermoly for the temporary field Salety Measuscentrer ¹ . The tradit Salety Measuscentrer ¹ . The tradit Salety Measuscentrer ¹ . The tradit Salety Measuscentre ¹ . The confidence tradit Salety Measuscentre ¹ . The tradit Salety Measuscentre ¹ . The confidence tradit Salety Measuscentre ¹ . The confidence tradit Salety Measuscentre ¹ . The salety Measuscentre ¹ . The sale salety Measuscentre ¹ . The confidence tradit Salety Measuscentre ¹ . The salety Measuscentre ¹ .	Datota Smith	5/182023	5/23/2023	5/25/2023	http://www.gee.com/gee_pichal/common/jedfu/ anthry.fermancorg.organademas/jubuski datastra-keldferw.http://formitografico. glan/inference-docs/7022/0015.006.sp	8	NA	8.17	Open Work Orders	NA
385	OEIS	006	OEIS_006	2	OEIS_006_Q2	Regarding PG&E's Other Data Requests: a. Provide the following confidential attachments from CalAdvocates Data Requests: I. Attachment 1 in response to Data Request 19 Question 13. II. Attachment 1 in response to Data Request 21 Question 3. III. Attachment 1 in response to Data Request 21 Question 3. III. Attachment 1 in response to Data Request 21 Question 3. III. Attachment 1 in response to Data Request 21 Question 3. III. Attachment 1 in response to Data Request 21 Question 3.	Late at which the las is to be recaired or reassessed acain. The funded recair date The CONFIDENTIAL attachments are being provided pursuant to the accompanying confidentiality declaration. a Pease see "WHP-Discovery, CP, QCIS] 006-0002/Arch01CONF.zig" for the requested confidential attachments previously provided to Cai Advocates. b Pease see "WHP-Discovery, CP, QCIS] 006-0024/bh01CONF.zig" for the Pease see "WHP-Discovery, CP, CPIS 006-0024/bh01CONF.zig" for the	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/OEIS_006.zip	2	N/A	N/A	N/A	N/A
386	OEIS	006	OEIS_006	3	OEIS_006_Q3	al. Attachment 1 in zeroscose to Table Received 22 Question 7. Regarding PG42 response to TURKY Dalla Request 7. Question 3: Regarding PG42 response to TURKY Dalla Request 7. Question 3: w.Fe socie i. WFE socie ii. SWRESE ii. SWRESE	a. Bases see: "MMRD Discourse: TRE. CHES. ADD:COVD.dev007CHORD "single for the memory of the set of of the se	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/OEIS_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	ii: Enablish scores, O.I. Regarding Services provided to customers due to PSPS and wildlife emergencies in Section 8.4.9, the full extent of services PG&E provides to customers due to PSPS and wildlife emergencies is such as Descher PG&E is sloce of services to each service due to the full b, b, c, full extension is blick doorscher full extension of section services of the full b, b, c, full extension is blick doorscher due to the such sections under sections for that service is blick doorscher due to the sustainers under section blief Regarding Vegetantion Maragement Objectives	a. L. The CPUC issued (D.) 19-07-015, adopting an emergency disaster relef program for utility customers. The trigger to implement the program is an emergency decisional by the givener of California or president of the United States. We. Res/Tancustomers when the ' disaster has resulted in the - A multi-year historical tree data set in this context is a data set compiled from all - A multi-year historical tree data set this context is a data set compiled from all	Alan Solomon	5/24/2023	5/30/2023	5/30/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS_007.zip	0	N/A	8.4.6	Emergency Preparedness	Customer Support in Wildfire and PSPS Emergencies
388	OEIS	008	OEIS_008	1	OEIS_008_Q1		a. A multi-year historical tree data set in this context is a data set compiled from all relevant year-over part here data available over a partical time. This would be intended to inform decision makers at various steps of the vegetation management cycle, for trees that remain unmitigated through renoval. The tree data can inform relevant the remain and through through through the reveal the can inform the same to part to the particular to the particular data of the tree data can be apprecised by P-G&E Introduced to pain to underground 10,000 distribution	Dakota Smith	5/25/2023	5/31/2023	5/31/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS_008.zip	0	N/A	8.2.2.5	Vegetation Management and Inspections	Focused Tree Inspections
389	OEIS	008	OEIS_008	2	OEIS_008_Q2	Regarding Undergrounding Workplan Targets a. Explain why PGBC has reduced undergrounding targets provided within its workplan when comparing PG&E's 2022 WMP to the 2023-2025 WMP. b. Provide has vessions of an updated Table PG&E's 1.2.3 from PG&E's 2023-2025 WMP in which the Ton 20% is based on risk model outnut scores from V2 and V3 reservitively concesd.	circuit miles in and near righ watere risk areas which included an initial goal of undergrounding 3,400 miles from 2023-2026. PG&E submitted a workplan that included 3,716 miles for that time period. (2022 WMP Table RN-PG&E-22-03-02).	Dakota Smith	5/25/2023	5/31/2023	5/31/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS_008.zip	1	N/A	8.1.2.3	Grid Design and System Hardening	Distribution Pole Replacements and Reinforcements
390	OEIS	008	OEIS_008	3	OEIS_008_Q3	Regarding Inspection Find Rates a. Provide PG&E's work order find rate for distribution detailed and patrol inspections respectively, broken down by quarter from 2018 to 2022.	Please find PG&E's find rate for distribution overhead (OH) detailed and patrol inspections in the tables below. Please note that inspections are not evenly distributed by quarter, so PG&E has also provided the annual find rate for each inspection type. PG&E provides a few notes about the data below. Excluding the sounded business modifications on to prome preservers more than one and the sounded business modifications on the prome preservers.	Dakota Smith	5/25/2023	6/5/2023	6/5/2023	https://www.oge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/OEIS_008.zip	0	N/A	8.1.3.2	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: i. Length of line (kak Score) ii. V3 Risk Score) iii. V3 Risk Score)	a. Please see attachment "WMP-Discovery2023_DR_OEIS_008-0004Atch01xtist" for the requested updates. Length of the (m), V3 Maan Risk Score, V3 Total Risk Score, and V3 Risk Rank can be found in Columns F-1, respectively. Length of line (m) is represented by the field unbandened overhead high frer (HFT D + HFRA) melles. as the onizing late result ensemed for HFTD and HFRA incruit scoreports.	Dakota Smith	5/25/2023	5/31/2023	5/31/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation: plan/reference-docs/2023/OEIS_008.zip	1	N/A	Appendix D	Areas for Continued Improvement	ACI PG&E-22-34 – Revise Process of Prioritizing Wildline Mitigations
392	CPUC - SPD (Safety Policy Division)	008	CPUC - SPD (Safety Policy Division)_008	1REV	D (Safety Policy Division)_	III VLRink Bank SPD appreciates the timely response and provision of ignition data as requested, via "WMP- Discovery2023_DR_SPD_004-0001Aich01." However, it appears the data in Columns U ("Outage Data") and V ("Outage Time") were provided in an incorrect format for rows beyond row ("Bodi, PG&E needs to resubmit the data with correct outage data and time information. Please	Please see "WMP-Discovery2023_DR_SPD_008-Q01Atch01.x5x* for the updated spreadsheet with the requested corrections to columns U and V.	Kevin Miller	5/26/2023	5/31/2023	5/31/2023	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-22-06 – Addressing Increase in Risk Events
393	OEIS	009	OEIS_009	1	OEIS_009_Q1	creative a contracted data Sie with none-beneral meet/line in the context formats. II as date. Romat- Q01. Regarding PG&E's Secondary and Service Lines a What percentage of PG&E's sound and a secondary or a version of PG&E's sound and secondary or a version Service I and the secondary of the secondary of the 2023-2020 is addressed and the secondary of the secondary of the 2023-2020 is addressed and the secondary of the secondary of a secondary or service lines remain).	Mord, In red, ul. PEAEs: undergranding projects have associated executivity and sociate lates bacalian or curationary are associated interpolithous faultices. PEAEs GIG system does not accurately respect and executivity and anviva conductors in social away that we could calculate the melageside executivity and service conductors adjacent to scoped undergranding and service conductor temposities. It would be very difficult and of limited will be a calculate accurately respective. The social be very difficult and of limited will be a calculate accurately and service conductor temposities of the undergrand secondary and service with where it is adjacent to be existing primary tench and dispetiting under the new patientic transforme is traited. Remaining escondary and service wire is in branched by regularing open-wire secondary, garge exercises, their context, and tended by the secondary connections with exercising secondary and service and is in branched by regularing span-wire secondary. Beautive accurate, the context, and tended by the secondary connections with exercising secondary and service and the secondary connections with exercising secondary and service and the second secondary connections with exercising secondary and service and secondary connections with exercising secondary and service and the secondary connections with exercising secondary connections with exercising secondary and secondary and secondary and secondary secondary connections with exercising secondary and secondary secondary connections with exercisions and secondary secondary connections with exercisions and secondary secondary connections with exercisions and secondary secondary secondary connections with exercisions and secondary seco	Dakota Smith	6/1/2023	6/6/2023	6/6/2023	plan/reference-docs/2023/SPD_008_sp https://www.pge.com/gge_gbbbs/common/jedfu/ safety/emergency.proparedness/instants/ disaster/wildfites/skildfites.mitgaton gbas/reference-docs/2023/CHS_009.cg	o	N/A	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment - Distribution
394	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	1	CPUC - SPD (Safety Pole	1)On pages 346-347 of the 2023 WMP PG&E discusses its risk reduction from undergrounding work and states "this plan will allow PG&E to target risk reduction in the highest wildfire risk areas to eliminate approximately 16 percent of existing wildfire risk by the end of 2026." Please elaborate and show how PG&E calculated 18 percent in wildfire risk reduction from	the coverd aerial conductor. PGRE calculates the 18 percent risk reduction using the same process as outlined in Section 7.2.2 of the 2023-2025 WMP and as provided in attachment WMP Discovery2023 OR_SPD_009-001Ahc611 xiax. The attachment incorporates the 2023-2026 Undergrounding Wichglain (filed with the 2023-2025 WMP R1 as attachment	Kevin Miller	6/2/2023	6/8/2023	6/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_009.zip	1	N/A	8.1.2	Grid Design and System Hardening	Undergrounding of Electric Lines and/or Equipment – Distribution
395	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	2	CPUC - SPD (Safety Pole	indemondation and: 2)On page 454 bits 2023 WMP PG&E states there has been a "Reduced size and duration of PSPB events" and claims "This is an indicator of increased operational maturity, flexibility, and system resilience." a Is that claim directed toward PSPS" hi dires is in role lated in part or nerhans imfield that PCAEFs increased operational maturity.	2023-2020 Undergrounding Workplan (Bed with Ne 2023-2020 WMP R1 as attachment 2020/AD2-EDC 2020: XMME - BL Anonexito AD2 (EDCRGE 2024). Ruhhtl. Chroße Hol- a. Yes, Re statement is directed baueds PSPS. J. No. EPSS operation independently of PSPS and is based on different offensi and threshold selegined to intigate huards and threats that can head to risk of patient PSPS independent on constraints with the White and convention offension.	Kevin Miler	6/2/2023	6/8/2023	6/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/SPD_009.zip	0	N/A	9.1.2	Public Safety Power Shutoff	Identification of Frequently De- Energized Circuits
396	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	3	CPUC - SPD (Safety Polic	a.1 Jens, is in order the distance of the second	BRRE indications of coverationalization, devalues, and outleten realistication, is based. PREAE has a constraint with and outleten of ever personnel in the Emergency Operations Center (ECC). As such, we are at various stages of training competion. In addition, different positions within the ECC required different level of intring. Some of the courses at the more advanced level are instructor teal and offered quartery. PREAE in DREAE in the course advanced level are instructor teal and offered quartery. PREAE in DREAE in the former of level stores its may be able to borrown here advances in the outlet of the stores its may be able to borrown here advances in the outlet of the stores its may be able to borrown here advances in the outlet of the stores its may be able to borrown here advances in the outlet of the stores its may be able to borrown here advances in the outlet of the stores its may be able to borrown here advances in the outlet of the stores its may be able to borrown here advances in the outlet of the stores its may be able to borrown here advances in the outlet of the stores its may be able to borrown here advances in the outlet of the stores its may be able to borrown here advances in the outlet of the stores its may be able to borrown here advances its may be able to borrown here advances in the outlet of the stores its may be able to borrown here advances its may be able to borrown here advances its may be able to borrown here advances its borrown here advances its may be able to borrown here advances its borrown here advances its may be able to borrown here advances its borrown here advances its may be able to borrown here advances its may be able to borrown here advances its may be able to borrown here advances its borrown here advances its may be able to borrown here advances its borrown here advances its may be able to borrown here advances its borrown here advances its may be able to borrown here advances its may be able to borrown here advances its may be able to borrown h	Kevin Miller	6/2/2023	6/8/2023	6/7/2023	https://www.pge.com/pge_globai/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_009.zip	0	N/A	8.1.8.3	Grid Operations and Procedures	Personnel Work Procedures and Training in Conditions of Elevated Fire Risk
397	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	4	CPUC - SPD (Safety Pole	Less bau annuind valles of consorced to consorted to the balaiso? 4/PGEE provides means to verify message receipt in Biel 64-9; PGEE Products for Emergency Communication to Stakeholder Groups, How accurate is this receipt information with regard to verify messages are reaching intended recipient/ensident to all in intended asley; outcomes (e.g., including, but not limited to, messages not being sent to a new number or persons en longer in the Americandentity.	address on file for the customer of record associated with the premise identified as impacted by a potential PSPS, EPSS outage, and/or outage due to a wildlife. Phone with the premised of the second seco	Kevin Miller	6/2/2023	6/8/2023	6/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/widires/wildire-mitigation- plan/reference-docs/2023/SPD_009.zip	0	N/A	8.4.4.1	Emergency Preparedness	Protocols for Emergency Communications
398	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	5	CPUC - SPD (Safety Polic	S)PG&E issues notifications to AFNIMB ratepayers. How does PG&E know that these notifications are received and that contact information is up to date? a Does PG&E have a way to continuos/piperioda/wite verify that the contact information on file is current to help ensure such important notices are being received by the intended recipients?	The control where a control we have the barries of a single section of the single sectio	Kevin Miller	6/2/2023	6/8/2023	6/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_009.zip	0	N/A	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
399	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	6	CPUC - SPD (Safety Pole	6)PG&E mentions pre-pandemic in-person engagement. Does PG&E have data comparing pre pandemic engagement to pandemic limeframe engagement efforts and among other things, attendance? For instance, are there metrics/data regarding non-AFN/MB and AFN/MB?	vectorials and down have been been personal information (attendees show up as 'anonemous'). Prior to the nandemic (2019), all reduced show up as 'anonemous'. Prior to the nandemic (2019), all reduced show up as During a PSPS event, medical baseline customers receive automated calls, text and e mails at	Kevin Miller	6/2/2023	6/8/2023	6/7/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_009.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
400	CPUC - SPD (Safety Policy Division)	009	CPUC - SPD (Safety Policy Division)_009	7	CPUC - SPD (Safety Pole	7)PG&E states that if an AFN customer does not answer the door, the notification is considered successful if a door hanger is left. What industry policylpractice is PG&E following that classifies a door hanger as auxcessful notification? Please provide a copy of each WMP-related document, submission, or report you submit to the	During in the orders, indexed outputs of control process and a state of the same intervals as the general customer notifications. In addition, these customers receive repeat automated calls and texts at hourly intervals until the customer confine receipt of the notifications by either answering the phone, responding by the text or operation the notifications by either answering the phone, responding CeleVeral or constraints and the SECTO PDATA REQUESTS	Kevin Miller	6/2/2023	6/8/2023	6/7/2023	https://www.pge.com/pge_plobal/common/pdrs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_009.zip https://www.pge.com/pge_plobal/common/pdfs/	0	N/A	8.5.3	Community Outreach and Engagement	Engagement With Access and Functional Needs Populations
Pre-Discovery 01	CalPA	Set WMP-01	CalPA_Set WMP- 01	1		Office of Energy Infrastruture Safety (Energy Safety) in 2023 Path is related to your WMP. 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, nease movide a comcas soon as nossible and no later than 10 husiness daws from the issuance.	PG&E objects to the instructions or definitions in the set of data requests entitled CalAdvocates- PGE-2023/M/P-01 that purport to impose any obligations greater than those provided by the applicable rules and decisions of the Commission or and any other statutes, orders, rules, or laws limition the recellatoria antibution and larisdiction of the Commission. In particular, PC&E objects to	Holy Wehrman	2/7/2023	2/14/2023	2/14/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 001.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	N/A	N/A	N/A
Pre-Discovery 02	CalPA	Set WMP-01	CalPA_Set WMP- 01	2	CaIPA_Set WMP-01_Q2	Please provide a copy of your WMP pre-submission within two business days of its submission to Energy Safety Devide a copy of all documents or films that are referenced in your WMP (hostedy Data Bacotted)	Safety's news bmission modess and midelines which stinulate that the new submission	Holly Wehrman	2/7/2023	2/15/2023	2/15/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 001.zip https://www.pee.com/cae_elobal/common/cdfs/	1	N/A	N/A	N/A	N/A
Pre-Discovery 03	CalPA	Set WMP-01	CalPA_Set WMP- 01	3	CaIPA_Set WMP-01_Q3	Provide accey of al documents or files that are referenced in your WMP Quarterly Data Reports an submitted to Energy Safety (includue) bunch limited on 2010%, spatial data files, non-apatial data files, and confideratial attachments) on the same business day that the document is sert to Derrory Safety. Provide acceys to Cal Advocates of al your confidential responses to WMP discovery requests, on the same business day taby use most discourters to the issuer of the discourre request.		Holy Wehrman	2/7/2023	2/14/2023	2/14/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 001.zip https://www.pee.com/common/cdfs/	0	N/A	N/A	N/A	N/A
Pre-Discovery 04	CalPA	Set WMP-01	CalPA_Set WMP- 01	4	CaIPA_Set WMP-01_Q4	This includes: a) Confidential responses to WMP discovery requests issued by Energy Safety. b) Confidential responses to WMP discovery requests issued by other entities.	- detention is an excentited under Children ture. Black u. Even MAM Children 114 C 4 des ditt in addition to all general objections, PCASE specificably objects to this request on the grounds that it is under hundren one. PCASE interfer collectics to this request on the grounds that at sugges, embryours, and constructural Landy, PCASE copiests to this request on the grounds that it will be also also also also also also also also	Holy Wehrman	2/7/2023	2/14/2023	2/14/2023	safety/emergency-preparedness/natural: disacter/wildfires/wildfire-mitigation: plan/reference-docs/2023/CalAdvocates_001.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	N/A	N/A	N/A
Pre-Discovery 05	CalPA	Set WMP-02	CalPA_Set WMP- 02	1	CaIPA_Set WMP-02_Q1	programs, initiatives, or strategies described in your 2022 WMP Update.	- relevations as not constitution des California laue. Bies u. Evron. Mobil Com. 134 Cal Aco dat. PGAE understands this quadation terefore tereports from our internal Quality Control, Quality Assurance, and Quality Verification programs as set offer the loca. Signals in special associations and the special based on the control of the special programs in the special provided on the special based on the QC Department's calls and seekly deathcontic communication Kolo Performance Individue. (JOR) and analysis. The PASE Individues Safety Montrol Status Usable Records and October 4. 2022, discusses and the provided on the special based on the special based on the provided on the special based on the special provided on the special based	Holly Wehrman	2/7/2023	3/7/2023	3/7/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 002.zip https://www.pge.com/pge_global/common/pdfs/	6	N/A	N/A	N/A	N/A
Pre-Discovery 06	CalPA	Set WMP-02	CalPA_Set WMP- 02	2	CaIPA_Set WMP-02_Q2	Peake learning and provide a courge of all quality assumes on quality control (QAAQC)) reports conclusted by anternal enteries that users completed sizes automatic any program. Initiatives, or strategies described in your 2022 WMP lipitate. External entries include, but are not limited, constantistic, contractors, auditors, court-appointed mentions, and ledeonneter Exalutions. Provide an Excel table of all defects in the year 2022 found by Emerg Sately's Compliance.	programs and initiatives described in our 2022 WMP. Please find the document here: https://www.cpuc.ca.gov/-imedia/cpuc-webstein/dustries and topics/documents/pge/oversight- and-enforcement/ism-status-update-report-q3-2022.pdf. Please see attachment "WMP-Discovery/2022_PC_CAldVocates_022-Q03Atch01CONF.xtsx"	Holly Wehrman	2/7/2023	3/7/2023	3/7/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 002.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	N/A	N/A	N/A
Pre-Discovery 07	CalPA	Set WMP-02	CalPA_Set WMP- 02	3	CaIPA_Set WMP-02_Q3	b) Defect type c) Description of defect Provide an Excel table of all distribution circuits existing as of January 1, 2023 (as rows) that	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. March 2022. BASE is providing the requested distribution information at the circuit level in attachment "WIM- Discourse.0723. Dis Collidencetter, 0723,0010 datability with Information at the other laboration was noted information.0731. Disclosures.	Holly Wehrman	2/7/2023	2/22/2023	2/22/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 002.zip https://www.pge.com/pge_global/common/pdfs/	1	N/A	8.1.3	Asset Inspections	N/A
Pre-Discovery 08	CalPA	Set WMP-03	CalPA_Set WMP- 03	1	CaIPA_Set WMP-03_Q1	Includes the tolowing information in separate columns. a. Circuit and a clicuit marker b. Circuit ID number c. Trotal circuit raiks Provide an Excel table of all transmission circuits existing as of January 1, 2023 (as rows) that	That document assumptions in the methodology for data collection. Where we have not include any notes, the data provided did not require adaptations or assumptions in answering the request. For comoses of this request "Other HFTD" refers to Zone 1 areas PG&E is providing the requested transmission information at the circuit level in the attachment	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 https://www.pge.com/pge_global/common/pdfs/	2	N/A	8.1.3	Asset Inspections	Distribution
Pre-Discovery 09	CalPA	Set WMP-03	CalPA_Set WMP- 03	2	CaIPA_Set WMP-03_Q2	includes the following information in separate columns. a. Circuit and b. Circuit ID number c. Tratal circuit miles Provide an Excentiable of all distribution circuits existing as of January 1, 2022 (as rows) that	named "WMP-Discovery2023_DR_ Cal4Avocates_003-0001Abch01xbs." Included in the table below are notes that document assumptions in the methodology for data collection. Where we have not included any notes, the data provided dd not require adaptations or assumptions in answering the meaner E-no removes of this. Altachedi is "WMP-DiscoveryColl.2018_Cal4Avocates_003-0000Abch01vbs", which provides.	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 https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.3	Asset Inspections	Transmission
Pre-Discovery 10	CalPA	Set WMP-03	CalPA_Set WMP- 03	3		were removed or decommissioned in 2022, either partially or entirely. This includes permanent removal, removal of overhead lines that were moved underground, or overhead lines that were decommissioned but not physically removed. Include the following information in separate columns. Provide an Excel table of all transmission circuits existing as of January 1, 2022 (as rows) that	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. Eurither, our GIS canon be used to obtain this information retroactively because when	Holy 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 https://www.pge.com/pge_global/common/pdfs/	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		were removed or decommissioned in 2022, either partially or entirely. This includes permanent removal removal of overhead ines that were moved underground, or overhead lines that were decommissioned but not physically removed. Includes the following information in separate columns. For each WMP initiative listed below, please state how the modeled Wildfire Risk Scores for each	Please see "WMP-Discovery2023_DR_CalAdvocates_003-Q004Atch01.xtxx. a. EVM work to 2022 was informed by a modification of the 2021 Wildline Distribution Risk Model	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.rjp https://www.pge.com/pge_global/common/pdfs/	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	CaIPA_Set WMP-03_Q5	For each visual returned water below, passe state how the modeed vilatine stat. Scores for each circular extra desception influenced water you performed work in 2022. Boot and the state of the sta	EVM work in 3022 was informed by a modification of the 2021 Wildler Distribution Resk Model VORMU. The reflect organit from the 2021 WIRDle is reflected to as the EVM Tree-Weighted Prioritization. The EVM Tree-Weighted Prioritization prioritized the high risk CP2s with the associated miles and estimated there work to produce the 2022 EVM Scope of Works as described in the 2022 VIMP Section 1.1 B. 2022, the onais for the EVM processments: (11) preform at 1. The 2022 EVM Scope of Work was based on the prioritization from the 2021 and or durant and a section of the effective of the the EVM processments: (11) preform at 1. The 2022 EVM Scope of Work was based on the prioritization from the 2021 and or durant and the effective of the effective of the EVM processments: (11) preform at 1. The 2022 EVM Scope of Work was based on the prioritization from the 2021 and or durant and the effective of the EVM processment of the EVM processments: (11) preform at 1. The 2022 EVM Scope of Work was based on the prioritization from the 2021 and or durant	Holly Wehrman	2/7/2023	3/10/2023	3/10/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/referce-docs/2023/CalAdvocates 003.zip https://www.pge.com/pge_global/common/pdfs/	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	CaIPA_Set WMP-03_Q6	a. EVM b. Covered conductor installation c. Lindeconsuscion. For each WMP initiative listed below, please state how the modeled Wildline Risk Scores for each	after 2022 VMMS Section 2.1.8.1.8.1022. Https://doi.org/10.1111/j.com/storum.inter- protection_comes-storumes-type:EVMT Tree Weighed Protocatation barring sectorem Text 2012 text 2016 and 2	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 https://www.pge.com/pge_global/common/pdfs/	0	N/A 20	22 WMP Section 7.1	Wildfire Mitigation Strategy Development	N/A
Pre-Discovery 14	CalPA	Set WMP-03	CalPA_Set WMP- 03	7	CaIPA_Set WMP-03_Q7	circuit or drout-segment initialence where you plan to perform work in 2023. a. EVM b. Covered conductor installation c. Undercommidden For each WMP initiative listed below, please state how the modeled Wildline Risk Scores for each circuit or incruit-segment initiance how work in 2023 will be sequenced.	PG&E's System Hardening program, which includes targeted CC installation, focuses on mitigating potential catastrophic wildfire risk caused by distribution overhead assets. The System Hardeeine Dronoran acceles various mitigations to circuit seconders that have the biohest wildfire.	Holy Wehrman	2/7/2023	3/10/2023	3/10/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 003.zlp https://www.pge.com/pge_global/common/pdfs/	0	N/A	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
Pre-Discovery 15	CalPA	Set WMP-03	CalPA_Set WMP- 03	8	CaIPA_Set WMP-03_Q8	circuit or incursegment intuence now work in 2023 will be sequenced. a. EVM b. Covered conductor installation c. Underconsumerial For each VMMP initiative listed below, please state how the modeled Wildline Risk Scores for eachicruit or circuit-segment influence where you plan to perform work in 2024.	a Poser is no concentrative year is not zone to be a poseried of the second of the	Holy 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 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	CaIPA_Set WMP-03_Q9	a. EVM b. Covered conductor installation - i indeconstruction For each WMP initiative listed below, please state how the modeled Wildline Risk Scores for each circuit or circuity-seament influence how work in 2024 will be sequenced.	b. Please refer to the response for Question 8b, which also applies to 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 https://www.pge.com/pge_plobal/common/pdfs/	0	N/A	7.2	Wildfire Mitigation Strategy Development	Wildfire Mitigation Strategy
Pre-Discovery 17	CalPA	Set WMP-03	CalPA_Set WMP- 03	10	CaIPA_Set WMP- 03_Q10	a. EVM b. Covered conductor installation c. Lindeconsuscing For each WMP initiative for which you forecast capital expenditures in 2023 to be at least two	b Plaster refer to the response for Question 6e, which also applies to 2024. C. Plaster refer to the response for Question 6e, which also applies to 2024. d. Plaster refer to the response for Question 68, which also applies to 2024. There is no transfer ware hardware in 2024 for ori decimalization for both transmission or for a) 2022 WIMP financials are mapped per WMPP initiative Activities as laid out in Table 11 from Energy Sately, Atte 2023 WIMP is a new cycle with the wrampping of Innocials by activities that	Holy 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 https://www.pge.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	CaIPA_Set WMP-04_Q1	times actual capital expenditures in 2022, please provide: a) The name of the initiative as it is identified in your 2023-2025 WMP b) The WMP initiative number in Table 11 of your 2023-2025 WMP c) The name of the initiative as it is identified in your 2022 WMP Lindate	Energy Sately. As the 2023 WMP is a new cycle with new mapping of transcists by activities that align with the 2023 WMP narrative, there is not an apples-to-apple re-mapping of costs back to the 2022 WMP view. Thus, the comparison can only be made using the 2023 WMP view. Beloware the 2023 WMP activities and section numbers where 2023 cantal forecast is at least.	Holy 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

			1			For each WMP initiative for which you forecast capital expenditures in 2024 to be at least two	a) 2023 WMP financials are mapped per WMP Initiative Activities as laid out in Table 11 from										
re-Discovery 19	CalPA	Set WMP-04	CalPA_Set WMP- 04	2		times actual capital expenditures in 2022, please provide: a) The name of the initiative as it is identified in your 2023-2025 WMP b) The WMP initiative number in Table 11 of your 2023-2025 WMP c) The name of the initiative are it is identified in your 2023 WMP (Include	Energy Safety. As the 2023 WMP is a new cycle with new mapping of financials by activities that align with the 2023 WMP narrative, there is not an apples-to-apples re-mapping of costs back to the 2022 WMP view. This the comparison can only the made using the 2023 WMP view.	Holy 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	0	N/A	Section 4.3	Proposed Expenditures	N/A
re-Discovery 20	CalPA	Set WMP-04	CalPA_Set WMP- 04	3		times actual operating expenditures in 2022, please provide: a) The name of the initiative as it is identified in your 2023-2025 WMP b) The WMP initiative number in Table 11 of your 2023-2025 WMP	Relevant Ib. 2023 VMB activities and cercition surface where the 2024 candid foreness is at a) 2023 VMB inclusional are mapped or VMBP Initiate Archites as laid out in Table 11 from Energy Safety. As the 2023 VMBP is a new cycle with new mapping of franciate by activities that align with the 2023 VMBP narrative, here is not an apples-to-papties or-mapping of costs back to the 2023 VMBP view. Thus, the comparison can only be made using the 2023 VMBP view. Relavance the 2023 VMB activities and sending unstreamed the 2023 VMBP view.	Holy 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	0	N/A	Section 4.3	Proposed Expenditures	N/A
re-Discovery 21	CalPA	Set WMP-04	CaIPA_Set WMP- 04	4	CaIPA_Set WMP-04_Q4	The name of the initiative as it is identified in sure 2022 XMAP Instate For each XMPF initiative for wide holy concession persing regenditures in 2024 to be at least two times actual operating expenditures in 2022, please provide: a) The nume of the initiative as at its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP b) The VMPF initiative and its identified in your 2023 X2025 YMAP c) The VMPF initiative and its identified in your 2023 X2025 YMAP c) The VMPF initiative and its identified in your 2023 X2025 YMAP c) The VMPF initiative and its identified in your 2023 X2025 YMAP c) The VMPF initiative and its identified in your 2024 X2025 YMAP c) The VMPF initiative and its identified in your 2024 X2025 YMAP c) The VMPF initis identified in your 2024 X2025 YMAP c) The VMPF initiative	The 2022 VMP view. Thus, the comparison can only be made using the 2023 VMP view. Before and the 2024 VMP view. The comparison of the comparison of the 2024 VMP view. The comparison of the compariso	Holy Wehrman	2/7/2023	3/7/2023	3/7/2023	https://www.pge.com/pge.global/common/dds/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates 004.zip	o	N/A	Section 4.3	Proposed Expenditures	N/A
re-Discovery 22	CalPA	Set WMP-05	CalPA_Set WMP- 05	1		In response to Data Request CalvAdvocates-PGE-2022WIMP-31 on September 8, 2022, PG&E provide information regarding Its Willer Distribution Risk Model version 3 (VDRM 4). Peace provide an updated response to questions 1-7 of the above-referenced data request, Including any new or charged information since PG&E's original response. If the response to a question bas not channed, clease so, indicate. a) Have you identified transportation corridors within your service territory where failing or failing.	No changes have been made to WDRM v3 since the September 8, 2022 response.	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	o	N/A	2022 WMP Section 4.5	Model Metrics and Calculation Methodologies	WDRM v3
re-Discovery 23	CalPA	Set WMP-05	CaIPA_Set WMP- 05	2	CaIPA_Set WMP-05_Q2	a) Have you identified transportation corridors within your service territory where failing or failing lines or poles could currently limit egress and/or an engress during an enregency? 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.	a) The potential of failing or failing lines or poles near identified transportation corridors is not currently reflected in our fisk modeling. PG&E Public Safety Specialists with experience as career wildand firefighters have reviewed general egress and/or lingress concerns when evaluating circuits or circuit segments for potential system hardening work. IN tot anoicable.	Holy Wehrman	2/10/2023	3/10/2023	3/10/2023	https://www.geg.com/gge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_005.zip	o	N/A	8.1.3	Asset Inspections	N/A
re-Discovery 24	CalPA	Set WMP-05	CaIPA_Set WMP- 05	3	CaIPA_Set WMP-05_Q3	Please fil out the attached spreadsheet, CalAdvocates-PGE-2023WMP-05 Attachment 1, requesting information regarding your asset inspections in 2022.	Please see attachment "WMP-Discovery2023_DR_Cal/kdvccates_005-Q003Atch01.xtsx" for the requested information	Holy Wehrman	2/10/2023	3/10/2023	3/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_005.zip	1	N/A	8.1.3	Asset Inspections	Inspections completed in 2022
re-Discovery 25	CalPA	Set WMP-05	CaIPA_Set WMP- 05	4	CaIPA_Set WMP-05_Q4	Please augment Table 13 of the non-spatial data tables in your WMP Clusterity Data Report for 04 of 2022, which reports asset-helided concellue notifications on electric circuits that were open at the end of the quarter, as follows. a Add the following information in separate columns: I Namo Affa associated circuit. Namo Affa associated	a-b. Pasare see attachments' WMP-Discovery2022_DR_Cal4Aoxcates_005-0004Abch01sb2' for the requested Distribution information and 'WMP Discovery2023_DR_Cal4Aoxcates_005- 0004Abch202avcf for the requested Transmission information. c. Please note that columns (), k, and lwill not be available for Distribution and Transmission circuits until the 2023.01 Loutedwide Jhas.Report (ORB) because the data is not ready, and due to.	Holy Wehrman	2/10/2023	3/10/2023	3/10/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_005.zip	2	N/A	2022 Q4 QDR	Р	tags
re-Discovery 26	CalPA	Set WMP-06	CaIPA_Set WMP- 06	1	CaIPA_Set WMP-06_Q1	information in separate columns in the Excel spreadsheet at a minimum: a) Circuit name b) Circuit membra	The EVM program concluded at the end of 2022. There is no EVM workplan for 2023	Holy 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	2023-2025 WMP 8.2.3	Vegetation Management	EVM
re-Discovery 27	CalPA	Set WMP-06	CaIPA_Set WMP- 06	2		workplan should be in an Excel format, with circuit-segments as rows. Please include the following information in separate columns in the Excel spreadsheet at a minimum:	The EVM program concluded at the end of 2022. There is no EVM workplan for 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- plan/reference-docs/2023/CalAdvocates_006.zip	0	N/A	2023-2025 WMP 8.2.3	Vegetation Management	EVM
re-Discovery 28	CalPA	Set WMP-06	CaIPA_Set WMP- 06	3	CaIPA_Set WMP-06_Q3	a Classical B, another Interporte to Data Request CalAdvocates-PGE-2022WIP-11, Question 2, March 3, 2022, PG&E provided its 2022 EVM workplan. Resse provide an updated version of this workplan that lists the actual CM mediage performed in each circuit-segment in 2022 as a new column. Rows should be added as needed to cover all circuit-segments where you performed EVM work in 2022 interported b CM Request C2M Advocates-PGE-2022WIP-10, Question 11, Harch 23, 2022.	Please see "WMP-Discovery2023_DR_CalAdvocates_006-0003Atch01.xisc" for actual 2022 EVM mileage data broken down by circuit segment. Column G on tab '2022 EVM Miles Planned' contains the number of miles planned for EVM work in 2022	Holy 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	2022 WMP 7.3.5.2	Vegetation Management and Inspections	Enhanced Vegetation Management
re-Discovery 29	CalPA	Set WMP-06	CaIPA_Set WMP- 06	4	CaIPA_Set WMP-06_Q4	PG&E stated the following: "Through 2022, the EVM program includes strike trees evaluation and	a) To maximize reduction of uldific risk effectively and efficiently, the Enhanced Vegetation 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 The inspections, VM for Operational Millipations, and These Removal Inventory, - Focused Time Inspections, VM or Operational Millipations, and These Removal Inventory.	Holy 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 7.3.5	Vegetation Management and Inspections	Program Costs
re-Discovery 30	CalPA	Set WMP-06	CalPA_Set WMP- 06	5	CaIPA_Set WMP-06_Q5	In response to Data Request Califordeates-PE-2022WMP-15, Question 16, March 18, 2022, PGAE provided the following table, which shows spending on vegetation management programs in thousands of dollars (actual figures for 2019-2021 and fonceast figures for 2022-2023). Please spetiate that bales as follow: all locks the 3027 column to rates actual canadecis in 3077 Please provide a locit on privident in 2022 where the actions of a VM contractor posed a	Please see updated table below with 2022 Actuals, and our current forecasts for 2023 and 2024.	Holy 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	Vegetation Management	N/A	N/A
re-Discovery 31	CalPA	Set WMP-06	CalPA_Set WMP- 06	6		safety risk to workers and/or the public. "Safety risk" here is defined as any occurrence on a worksite where the contractor's actions created a safety hazard for either workers or the general		Holy 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	Vegetation Management	N/A	N/A
re-Discovery 32	CalPA	Set WMP-06	CalPA_Set WMP- 06	7	CaIPA_Set WMP-06_Q7	An usah interpre, alease norder, in reporte b Dain Regest Califordicates-PGE-2022WMP-14, Question 13, March 15, 2022, PG&E provided its 2022 system hardwring workpain for the categories referred to in parts (a)-(d) blow. Pease provided its angulated version of this workpain with additional columns to show the actual system hardwring work performed in each cruzil.segment in 2022 for each of these actual system hardwring work performed in each cruzil.segment in 2022 for each of these interpreties. Plasma actimum as anesiden to nove all circulatesprets taken: PGE performed	Note, for CaliAdvocates-PGE-2022/WMP-14, Question 13, the projects lated in the 2022 columns were only for projects that overlapped with 2021 completed miles. It did not represent a 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.	Holy 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	2022 WMP Section 7.3.3.17	Grid Design and System Hardening	System Hardening
re-Discovery 33	CalPA	Set WMP-06	CalPA_Set WMP- 06	8	CaIPA_Set WMP-06_Q8	nderodnet. Biseau and rune au noveled in orace all circuits alexanets waters RMER, performed Provide your versigns that discribes where road well powel performs system hardweing on distribution circuits in 2021. For projects that you expects to partially complete in 1020 (Le, performance) and the system of the system of the system of the system hardweing on performance and the system of the system of the system of the system of the system target to the sector system of the system of the system of the system hardweing on Provide your versigns that discribes alweing and when you all perform system hardweing on Provide your versigns that discribes alweing and when you all perform system hardweing on the system of the system of th	Please see attachment "WMP-Discovery2023_DR_CalAdvocates_006-Q008Atch01CONF.stsr." a See columns A (order namber), and B (order description) c See columns A d See columns A Please see "WMP-Discovery2023_DR_CalAdvocates_006-Q008Atch01CONF.stsr."	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 8.1.2.5	System Hardening	N/A
re-Discovery 34	CalPA	Set WMP-06	CalPA_Set WMP- 06	9		Provide your wompain that describes where and when you wut perform system hardening on distribution circuits in 2024. For projects that you expect to partially complete in 12224 (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), please include the project and report the work that your (increase tail actually be needformed in calendar week 2024).	Prease see "WMH-URCOVERYZUZ_UH, Canadocates" Ubu-QUURUBUILCUNE-JSSC a. See columer (A (order rumber), and B (order description) b. See column C c. See column C d. See columns E	Holy 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
re-Discovery 35	CalPA	Set WMP-06	CalPA_Set WMP- 06	10	CaIPA_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, caldvlocates. PGE-2023WMP-06 Attachment 1. Add columns as needed. Please provide a spreadsheet listing (as rows) each undergrounding project completed during the	Please see details on the cost and mileage breakouts in attached file "WMP Discovery2023_DR_Calidvocates_006-Q010Mctr01.xbx. See "WMP.Discovery2023_DR_Calidvocates_006-Q011Atach01CQNF vtx"	Holy 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
re-Discovery 36	CalPA	Set WMP-06	CalPA_Set WMP- 06	11	CaIPA_Set WMP- 06_Q11	period of January 1, 2022, through December 31, 2022. For each project, please provide the following information (as columns):	See "wer-unsomery zoza", Dr. Careuro datas, Don-John Hunton Fouri-table. a) Project ID number or other identifier – See columns A (order Number) and B (Order Description) b) (Circuit ID – See column C (ID of each circuit segment that was entirely underconunded in the project – Our underconunding	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
re-Discovery 37	CalPA	Set WMP-06	CalPA_Set WMP- 06	12	CaIPA_Set WMP- 06_Q12	an Character 11, Tube of use of ensuine Phases provide a geodiathase file with a polytine feature for each undergrounding project completed during the period of January 1, 2022 Rough December 31, 2022. In addition to the spatial location, beam provide the following attitutuats for each project: a) Project 10 number or other identifier, matching part (a) of the previous question locating any genome in 2022 associated with assets where you had an existing corrective	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. Please see the table below identifying 2022 CPUC reportable ignitions where the asset involved	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/2003/CalAdvocates_006.zip	1	N/A	8.1.2.2	Grid Design, Operations, and Maintenance	Undergrounding of Electric Lines and/or Equipment
re-Discovery 38	CalPA	Set WMP-06	CalPA_Set WMP- 06	13	CaIPA_Set WMP- 06_Q13	notification at the time of the ignition. Please provide a spreadsheet listing each such ignition (as rows) with the following information in separate columns:	in the ignition was associated with an existing open corrective maintenance notification at the time of the event. Ignition ID Date of	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural- disater/wildfires/wildfire-mitigation- plan/reference-docs/2023/CalAdvocates_006.rjp https://www.pge.com/page_global/common/pdfs/	0	N/A	2022 WMP Section 7.3.4	Asset Management and Inspections	N/A
re-Discovery 39	CalPA	Set WMP-06	CalPA_Set WMP- 06	14	CaIPA_Set WMP- 06_Q14	In Date of Leptine. a) Has FG&E's Asset Faiture Analysis Team causally connected any ignitions that occurred in 2022 to assets with existing asset or vegetation corrective notifications at the time of ignition b) if the answer to arrival (a) is yes, jease provide the following information on each such ignition: L Unique grition LD (matching the previous question) L Date of prime. In this Desame (Toldworkee DFC TOTMINE 17, Outputs) 12 Month 19 April 2019 (Content on the Desame (Content on the Content on the Desame (Content on the Desame (Co	needson by Teo (pations have been identified that meet these criteria: b) Teo (pations have been identified that meet these criteria: gathon D Jack of gathon Cause Type of Corrective Notification Croines of Associated	Holly Wehrman	2/10/2023	3/29/2023	3/29/2023	https://www.pge.com/pge_pooa/common/pois/ 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	2022 WMP 7.3.7	Data Governance	Asset Failure Analysis
re-Discovery 40	CalPA	Set WMP-06	CalPA_Set WMP- 06	15	CaIPA_Set WMP- 06_Q15	Linker downline. (Instancing are premiced question) Per FG&E's response to blank Request Caldivocates-PGE-0222VMP-17, Question 13, March 24, 2022, PG&E's impection strategy in 2022 was to complete detailed respectors on all assets in FFD The 13 and Zone 1, and approximation work-find of assets in FFD The 13 and Zone 1, and approximately north-find 1 assets in FFD The 13 and Zone 1, and approximately north-find 1 assets in FFD The 13 and Zone 1, and approximately north-find 1 assets in FFD The 13 and Zone 1, and approximately north-find 1 assets in FFD The 13 and Zone 1, and approximately north-find 1 assets in FFD The 13 and Zone 1, and approximately north-find 1 assets in FFD The 13 and Zone 1, and approximately north-find 1 assets in FFD The 13 and Zone 1, and approximately north-find 1 assets in FFD The 13 and Zone 1, and approximately north-find 1 assets in FFD The 13 and Zone 1, and approximately north-find 1 assets in FFD The 13 and Zone 1, and approximately north-find 1 assets in FFD The 13 and Zone 1, and approximately north-find 1 assets in FFD The 13 and Zone 1, and approximately north-find 1 assets in FFD The 13 and 2 and 1 and 1 assets in FFD The 13 and 2 and 1 a	Patients monotable a) Beginning 10:2021. PG&E's detailed inspections of distribution structures in high free areas will be informed by widthe consequences as provided PG&E's Widther Distribution final. Model v1. additional database in this strategic places are too becarious 1:20 and 0:20	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	0	N/A	2022 WMP 7.3.4.1 and 7.3.4.14	Asset Management and Inspections	N/A
re-Discovery 41	CalPA	Set WMP-06	CalPA_Set WMP- 06	16	CaIPA_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 handening efforts or other changes to a line segment will affect <u>PSPS fixentoxits</u> .	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 availability devices on the system that do not pose ignition insist. The effects of hardening and other changes to line will be accounted for by our LPM model which uses machine learning to our entity net changes and undires, and all yes. This is cheft on Section 62.1, fager 62.1-3.	Holy 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.ip	0	N/A	PSPS	N/A	N/A
re-Discovery 42	CalPA	Set WMP-06	CalPA_Set WMP- 06	17	CaIPA_Set WMP- 06_Q17	Izver? b) Have you developed Enhanced Powerline Safety Settings (EPSS) risk scores at the circuit segment level? c) if the answer to either parts (a) or (h) is ves, nease provide a nerotatabase file containing as BEFC() inouriers:	b) No. c) Please see "WMP-Discovery2023_DR_CalAdvocates_006-Q017Atch01CONF.zip" which is a goodatabase file containing the circuit segments along with PSPS risk values and Circuit Segment pames. Due to the different circuit segment violages approximately 400 of the circuit segments.	Holy 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 https://www.pge.com/pge_global/common/pdfs/	2	N/A	PSPS/EPSS	N/A	N/A
re-Discovery 43	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	1	CPUC - SPD (Safety Policy Division)_001_Q1	 REFCL Pilot at Calistoga Circuit Segment ID 1102131531 oDescribe various active settings profiles. 	The REFCL equipment installed in the substation protects all the primary lines on both Calistoga circuits. Three settings profiles allow for changing fault sensitivity and tripping behavior on the fly based on field confloant/risk. Setting 1 is for low risk with a three second delay before switching the available and includes activities on-orient and damme to initiable (FPS) reliability intracts:	Wendy Al-Mukdad	2/23/2023	3/9/2023	3/9/2023	https://www.pgc.com/pge_global/common/pdfs/ safety/emergency-preparedness/natural: disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPD_001.zip https://www.pgc.com/pge_global/common/pdfs/	0	N/A	8.1.8.1.3	Grid Operations and Procedures	Settings of Other Emerging Technologies (e.g., Rapid Earth Fault Current Limiters)
re-Discovery 44	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	2	CPUC - SPD (Safety Policy Division)_001_Q2	Finalin Sensitive Ground Eault settings for EPSS enabled circuit segments EPSS & REEC1 Inquiries:	Lake and this collamonia way in the second s	Wendy Al-Mukdad	2/23/2023	3/9/2023	3/9/2023	https://www.pge.com/pge_poolar/common/pdfs/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPO_001.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.8.1.1	Grid Operations and Procedures	Protective Equipment and Device Settings
re-Discovery 45	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	3	CPUC - SPD (Safety Policy Division)_001_Q3	*EPSS V8 REFUL — Describe the major similarities and differences. OWhat are advantages and disadvantages? In terms of capability, sectionalization, safety, and reliability? *Phase.in.Ground Faults us Connex. (Multichase) Faults = What is the risk modile of existing	autompting to recuce now associated with inglitions on primary electric disarboation systems. I. EPSS – advantages: • Can be implemented on mostly existing equipment and relays • Reduces incident fault energy across all hones of faults. Three-shape, line-in- PGREs for at mogal is to manifer inside reducing by undergrounding high wildline risk locations.	Wendy Al-Mukdad	2/23/2023	3/9/2023	3/9/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-miligation- plan/reference-docs/2023/SPD 001.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	8.1.8.1	Grid Operations and Procedures	Equipment Settings to Reduce Wildfire Risk
re-Discovery 46	CPUC - SPD (Safety Policy Division)	001	CPUC - SPD (Safety Policy Division)_001	4	CPUC - SPD (Safety Policy Division)_001_Q4		For locations that will not be undergrounded, we will continue to depity our suite of Operational Mitigations and other System Residence Mitigations. Operational Mitigation include programs such as EPSS, edupment maintenance and repair, vegetation management for operational mititations, and EPSS. Substm. Bealtimeters Mitisations include noncarins, such as consend. PG&E has designated the entire pre-submission accounted and any with Energy Safety's pre- submission process and guiddines with stipulade that the pre-submission forecounters are not to entimission.	Wendy Al-Mukdad	2/23/2023	3/9/2023	3/9/2023	safety/www.pge.com/pge_goba/common/pdis/ safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/SPO 001.zip https://www.pge.com/pge_global/common/pdfs/	0	N/A	7.2.1	Wildlire Mitigation Strategy Development	Overview of Mitigation Initiatives and Activities
re-Discovery 47	Green Power Institute (GPI)	001	Green Power Institute (GPI)_001	1	Green Power Institute (GPI)_001_Q1	Please provide PCAE's Pre-sitemission 2023-2025 WMP Base Plan filed on February 13, 2023, with the COE's 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.	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. As noted in our correspondences to you not March 8th and March 10th, we can provide you with a	Zoe Harrold	3/1/2023	3/14/2023	3/14/2023	safety/emergency-preparedness/natural- disaster/wildfires/wildfire-mitigation- plan/reference-docs/2023/GPI_001.zip	0	N/A	Al	Al	All
			1												1	1	